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

2013 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 2: Capacity Analysis

October 2013

2013 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 2

Capacity Analysis

BONNEVILLE POWER ADMINISTRATION
October 2013

Cover Picture:

Source: BPA Photo archive

Pictured is of Dworshak Dam. Dworshak Dam is a hydroelectric dam on the North Fork Clearwater River, at river mile 1.9. It is located in Ahsahka, Idaho, owned and operated by the U.S. Corps of Engineers.

Dworshak Dam was authorized in 1962, dam construction started in 1963, completed in 1973. Dworshak Dam includes 3 generating units, with a nameplate generating capability of 400 megawatts.

ACKNOWLEDGMENTS

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

Bonneville Power Administration

Generation Asset Management:

Long Term Power Planning Group
Regional Coordination Group
Operational Planning Group

Customer Support Services:

Load Forecasting and Analysis Group

Bulk Marketing and Transmission Services:

Long Term Sales and Purchasing Group

NW Requirements Marketing:

Office of General Counsel

Power Services Business Operations

Pacific Northwest Utilities Conference Committee

Northwest Power & Conservation Council

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	Federal Agency	143	143	139	158	181	208	210	199	189	178	178	159	154	154
2	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
3	Cooperative	2263	2263	2084	2441	2706	3081	3032	2896	2663	2593	2593	2491	2513	2681
4	Municipality	3349	3349	3191	3623	4123	4498	4446	4296	3968	3693	3693	3255	3207	3384
5	Public Utility District	5025	5025	4831	5654	6432	7146	7204	6733	6270	5897	5897	5304	5115	5352
6	Investor-Owned Utility	15975	15975	13771	13485	15120	16643	16995	15810	14499	13429	13429	12819	15433	16766
7	Marketer	440	440	420	419	424	435	443	430	424	412	412	413	431	449
8	Direct-Service Industry	465	465	465	465	465	465	465	465	465	465	465	465	465	465
9	**Total Firm Loads**	**28300**	**28300**	**25460**	**26696**	**29752**	**32865**	**33108**	**31143**	**28911**	**27164**	**27164**	**25491**	**27953**	**29902**
	Non-Firm Loads														
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
	Total Regional Loads (Firm+Non-Firm)														
12	Federal Agency	143	143	139	158	181	208	210	199	189	178	178	159	154	154
13	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
14	Cooperative	2263	2263	2084	2441	2706	3081	3032	2896	2663	2593	2593	2491	2513	2681
15	Municipality	3349	3349	3191	3623	4123	4498	4446	4296	3968	3693	3693	3255	3207	3384
16	Public Utility District	5025	5025	4845	5654	6432	7146	7208	6756	6324	5931	5931	5304	5115	5352
17	Investor-Owned Utility	15975	15975	13771	13485	15120	16643	16995	15810	14499	13429	13429	12819	15433	16766
18	Marketer	440	440	420	419	424	435	443	430	424	412	412	413	431	449
19	Direct-Service Industry	465	465	465	465	465	465	465	465	465	465	465	465	465	465
20	**Total Loads**	**28300**	**28300**	**25474**	**26696**	**29752**	**32865**	**33112**	**31166**	**28965**	**27198**	**27198**	**25491**	**27953**	**29902**

Table A-1: Regional: Total Retail Loads

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	145	145	141	161	183	211	212	205	192	180	180	161	156	156
2	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2629	2629	2409	2514	2779	3156	3085	2961	2714	2649	2649	2544	2567	2727
4	Municipality	3379	3379	3179	3640	4143	4517	4444	4293	3966	3689	3689	3251	3202	3381
5	Public Utility District	5300	5300	5057	5676	6536	7202	7317	6805	6316	5949	5949	5300	5206	5501
6	Investor-Owned Utility	16509	16509	14207	13901	15549	17116	17484	16253	14861	13758	13758	13143	15840	17224
7	Marketer	442	442	422	420	425	436	445	432	426	413	413	415	434	451
8	Direct-Service Industry	465	465	465	510	510	510	510	510	510	510	510	510	510	510
9	**Total Firm Loads**	**29508**	**29508**	**26439**	**27272**	**30427**	**33538**	**33811**	**31771**	**29416**	**27643**	**27643**	**25908**	**28549**	**30600**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	145	145	141	161	183	211	212	205	192	180	180	161	156	156
13	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2629	2629	2409	2514	2779	3156	3085	2961	2714	2649	2649	2544	2567	2727
15	Municipality	3379	3379	3179	3640	4143	4517	4444	4293	3966	3689	3689	3251	3202	3381
16	Public Utility District	5300	5300	5071	5676	6536	7202	7321	6828	6370	5983	5983	5300	5206	5501
17	Investor-Owned Utility	16509	16509	14207	13901	15549	17116	17484	16253	14861	13758	13758	13143	15840	17224
18	Marketer	442	442	422	420	425	436	445	432	426	413	413	415	434	451
19	Direct-Service Industry	465	465	465	510	510	510	510	510	510	510	510	510	510	510
20	**Total Loads**	**29508**	**29508**	**26453**	**27272**	**30427**	**33538**	**33815**	**31794**	**29470**	**27677**	**27677**	**25908**	**28549**	**30600**

Table A-1: Regional: Total Retail Loads

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	147	147	143	163	192	221	224	206	198	185	185	164	158	159
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2675	2675	2454	2592	2873	3246	3147	2992	2770	2739	2739	2610	2643	2784
4	Municipality	3375	3375	3176	3642	4156	4539	4471	4305	3989	3719	3719	3263	3248	3408
5	Public Utility District	5434	5434	5163	5808	6629	7268	7343	6839	6366	6014	6014	5360	5298	5601
6	Investor-Owned Utility	16925	16925	14544	14200	15866	17460	17842	16584	15170	14038	14038	13417	16199	17604
7	Marketer	444	444	424	421	427	438	446	433	427	414	414	416	436	454
8	Direct-Service Industry	510	510	510	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**30148**	**30148**	**26973**	**27828**	**30999**	**34116**	**34341**	**32227**	**29907**	**28160**	**28160**	**26370**	**29171**	**31216**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	147	147	143	163	192	221	224	206	198	185	185	164	158	159
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2675	2675	2454	2592	2873	3246	3147	2992	2770	2739	2739	2610	2643	2784
15	Municipality	3375	3375	3176	3642	4156	4539	4471	4305	3989	3719	3719	3263	3248	3408
16	Public Utility District	5434	5434	5177	5808	6629	7268	7347	6862	6420	6048	6048	5360	5298	5601
17	Investor-Owned Utility	16925	16925	14544	14200	15866	17460	17842	16584	15170	14038	14038	13417	16199	17604
18	Marketer	444	444	424	421	427	438	446	433	427	414	414	416	436	454
19	Direct-Service Industry	510	510	510	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**30148**	**30148**	**26987**	**27828**	**30999**	**34116**	**34345**	**32250**	**29961**	**28194**	**28194**	**26370**	**29171**	**31216**

Table A-1: Regional: Total Retail Loads

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	150	150	146	165	197	226	225	211	199	186	186	164	159	159
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2720	2720	2523	2636	2918	3295	3192	3069	2813	2786	2786	2658	2694	2836
4	Municipality	3399	3399	3221	3690	4225	4520	4526	4345	3958	3725	3725	3209	3293	3468
5	Public Utility District	5530	5530	5267	5875	6684	7327	7402	6917	6419	6075	6075	5418	5348	5651
6	Investor-Owned Utility	17301	17301	14835	14469	16161	17786	18176	16875	15439	14286	14286	13666	16528	17973
7	Marketer	447	447	426	423	428	440	448	435	429	416	416	418	438	456
8	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**30740**	**30740**	**27532**	**28262**	**31469**	**34538**	**34836**	**32719**	**30244**	**28525**	**28525**	**26673**	**29649**	**31749**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	150	150	146	165	197	226	225	211	199	186	186	164	159	159
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2720	2720	2523	2636	2918	3295	3192	3069	2813	2786	2786	2658	2694	2836
15	Municipality	3399	3399	3221	3690	4225	4520	4526	4345	3958	3725	3725	3209	3293	3468
16	Public Utility District	5530	5530	5281	5875	6684	7327	7406	6940	6473	6109	6109	5418	5348	5651
17	Investor-Owned Utility	17301	17301	14835	14469	16161	17786	18176	16875	15439	14286	14286	13666	16528	17973
18	Marketer	447	447	426	423	428	440	448	435	429	416	416	418	438	456
19	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**30740**	**30740**	**27546**	**28262**	**31469**	**34538**	**34840**	**32742**	**30298**	**28559**	**28559**	**26673**	**29649**	**31749**

Table A-1: Regional: Total Retail Loads

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	150	150	146	166	191	216	218	202	200	187	187	165	160	160
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2770	2770	2570	2686	2969	3348	3239	3115	2858	2833	2833	2702	2739	2879
4	Municipality	3473	3473	3274	3711	4247	4543	4547	4367	3978	3744	3744	3228	3313	3488
5	Public Utility District	5584	5584	5315	5933	6736	7383	7457	6968	6468	6132	6132	5474	5405	5710
6	Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
7	Marketer	448	448	427	424	430	441	450	436	430	417	417	419	440	458
8	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**31279**	**31279**	**27958**	**28618**	**31836**	**34930**	**35236**	**33087**	**30590**	**28869**	**28869**	**27014**	**30061**	**32194**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	150	150	146	166	191	216	218	202	200	187	187	165	160	160
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2770	2770	2570	2686	2969	3348	3239	3115	2858	2833	2833	2702	2739	2879
15	Municipality	3473	3473	3274	3711	4247	4543	4547	4367	3978	3744	3744	3228	3313	3488
16	Public Utility District	5584	5584	5329	5933	6736	7383	7461	6991	6522	6166	6166	5474	5405	5710
17	Investor-Owned Utility	17660	17660	15112	14694	16408	18056	18457	17131	15669	14504	14504	13886	16816	18292
18	Marketer	448	448	427	424	430	441	450	436	430	417	417	419	440	458
19	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**31279**	**31279**	**27972**	**28618**	**31836**	**34930**	**35240**	**33110**	**30644**	**28903**	**28903**	**27014**	**30061**	**32194**

Table A-1: Regional: Total Retail Loads

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	151	151	147	167	194	223	241	226	213	199	199	178	173	171
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2813	2813	2612	2733	3019	3401	3288	3175	2905	2883	2883	2749	2786	2926
4	Municipality	3494	3494	3293	3731	4268	4564	4567	4386	3998	3764	3764	3247	3333	3509
5	Public Utility District	5638	5638	5360	5977	6783	7435	7508	7016	6512	6181	6181	5525	5457	5763
6	Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
7	Marketer	450	450	429	426	431	443	451	438	432	418	418	420	441	460
8	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**31718**	**31718**	**28308**	**28939**	**32184**	**35310**	**35631**	**33477**	**30936**	**29202**	**29202**	**27343**	**30462**	**32627**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	151	151	147	167	194	223	241	226	213	199	199	178	173	171
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2813	2813	2612	2733	3019	3401	3288	3175	2905	2883	2883	2749	2786	2926
15	Municipality	3494	3494	3293	3731	4268	4564	4567	4386	3998	3764	3764	3247	3333	3509
16	Public Utility District	5638	5638	5374	5977	6783	7435	7512	7039	6566	6215	6215	5525	5457	5763
17	Investor-Owned Utility	17979	17979	15351	14902	16632	18300	18708	17368	15889	14707	14707	14084	17083	18592
18	Marketer	450	450	429	426	431	443	451	438	432	418	418	420	441	460
19	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**31718**	**31718**	**28322**	**28939**	**32184**	**35310**	**35635**	**33500**	**30990**	**29236**	**29236**	**27343**	**30462**	**32627**

Table A-1: Regional: Total Retail Loads

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	162	162	160	179	212	246	253	232	223	206	206	182	177	177
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2859	2859	2659	2784	3072	3457	3341	3190	2956	2935	2935	2799	2836	2975
4	Municipality	3514	3514	3313	3749	4286	4584	4586	4388	4016	3781	3781	3264	3351	3527
5	Public Utility District	5692	5692	5399	6021	6831	7486	7554	7040	6552	6219	6219	5572	5505	5804
6	Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
7	Marketer	451	451	430	427	433	444	453	439	433	420	420	421	443	461
8	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**32147**	**32147**	**28650**	**29271**	**32548**	**35715**	**36017**	**33765**	**31274**	**29528**	**29528**	**27663**	**30857**	**33046**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	162	162	160	179	212	246	253	232	223	206	206	182	177	177
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2859	2859	2659	2784	3072	3457	3341	3190	2956	2935	2935	2799	2836	2975
15	Municipality	3514	3514	3313	3749	4286	4584	4586	4388	4016	3781	3781	3264	3351	3527
16	Public Utility District	5692	5692	5413	6021	6831	7486	7558	7063	6606	6253	6253	5572	5505	5804
17	Investor-Owned Utility	18275	18275	15573	15108	16857	18555	18962	17608	16108	14915	14915	14285	17356	18896
18	Marketer	451	451	430	427	433	444	453	439	433	420	420	421	443	461
19	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**32147**	**32147**	**28664**	**29271**	**32548**	**35715**	**36021**	**33788**	**31328**	**29562**	**29562**	**27663**	**30857**	**33046**

Table A-1: Regional: Total Retail Loads

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	169	169	164	183	223	258	254	237	223	207	207	182	177	177
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2907	2907	2709	2835	3126	3513	3391	3275	3004	2988	2988	2849	2886	3002
4	Municipality	3533	3533	3331	3771	4310	4609	4609	4427	4038	3802	3802	3286	3373	3550
5	Public Utility District	5742	5742	5434	6061	6875	7534	7607	7109	6600	6266	6266	5627	5562	5854
6	Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
7	Marketer	453	453	432	428	434	446	454	441	434	421	421	423	444	463
8	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**32569**	**32569**	**28984**	**29601**	**32910**	**36111**	**36406**	**34204**	**31620**	**29858**	**29858**	**27998**	**31263**	**33451**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	169	169	164	183	223	258	254	237	223	207	207	182	177	177
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2907	2907	2709	2835	3126	3513	3391	3275	3004	2988	2988	2849	2886	3002
15	Municipality	3533	3533	3331	3771	4310	4609	4609	4427	4038	3802	3802	3286	3373	3550
16	Public Utility District	5742	5742	5448	6061	6875	7534	7611	7132	6654	6300	6300	5627	5562	5854
17	Investor-Owned Utility	18572	18572	15799	15320	17086	18807	19223	17847	16334	15122	15122	14491	17632	19199
18	Marketer	453	453	432	428	434	446	454	441	434	421	421	423	444	463
19	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**32569**	**32569**	**28998**	**29601**	**32910**	**36111**	**36410**	**34227**	**31674**	**29892**	**29892**	**27998**	**31263**	**33451**

Table A-1: Regional: Total Retail Loads

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	169	169	164	183	224	259	255	235	224	208	208	183	178	178
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2934	2934	2734	2860	3153	3543	3420	3300	3031	3015	3015	2875	2913	3030
4	Municipality	3555	3555	3353	3792	4332	4631	4630	4450	4058	3822	3822	3305	3393	3570
5	Public Utility District	5824	5824	5498	6130	6946	7610	7684	7182	6674	6339	6339	5703	5634	5927
6	Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
7	Marketer	454	454	433	430	435	447	456	442	436	422	422	424	446	465
8	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**33004**	**33004**	**29326**	**29931**	**33261**	**36491**	**36792**	**34565**	**31969**	**30187**	**30187**	**28327**	**31660**	**33885**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	169	169	164	183	224	259	255	235	224	208	208	183	178	178
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2934	2934	2734	2860	3153	3543	3420	3300	3031	3015	3015	2875	2913	3030
15	Municipality	3555	3555	3353	3792	4332	4631	4630	4450	4058	3822	3822	3305	3393	3570
16	Public Utility District	5824	5824	5512	6130	6946	7610	7688	7205	6728	6373	6373	5703	5634	5927
17	Investor-Owned Utility	18874	18874	16029	15533	17315	19056	19479	18089	16560	15331	15331	14697	17907	19510
18	Marketer	454	454	433	430	435	447	456	442	436	422	422	424	446	465
19	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**33004**	**33004**	**29340**	**29931**	**33261**	**36491**	**36796**	**34588**	**32023**	**30221**	**30221**	**28327**	**31660**	**33885**

Table A-1: Regional: Total Retail Loads

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Loads															
1	Federal Agency	170	170	165	184	224	260	256	239	225	209	209	184	179	179
2	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
3	Cooperative	2961	2961	2760	2886	3180	3574	3448	3338	3057	3042	3042	2901	2939	3057
4	Municipality	3576	3576	3373	3812	4353	4653	4651	4469	4078	3841	3841	3325	3413	3591
5	Public Utility District	5883	5883	5545	6181	7001	7670	7744	7239	6727	6391	6391	5755	5687	5981
6	Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
7	Marketer	456	456	434	431	437	449	458	444	437	424	424	425	447	466
8	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
9	**Total Firm Loads**	**33418**	**33418**	**29650**	**30241**	**33594**	**36854**	**37163**	**34922**	**32297**	**30497**	**30497**	**28637**	**32039**	**34302**
Non-Firm Loads															
10	Public Utility District	0	0	14.0	0	0	0	4.00	23.0	54.0	34.0	34.0	0	0	0
11	**Total Non-Firm Loads**	**0**	**0**	**14.0**	**0**	**0**	**0**	**4.00**	**23.0**	**54.0**	**34.0**	**34.0**	**0**	**0**	**0**
Total Regional Loads (Firm+Non-Firm)															
12	Federal Agency	170	170	165	184	224	260	256	239	225	209	209	184	179	179
13	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
14	Cooperative	2961	2961	2760	2886	3180	3574	3448	3338	3057	3042	3042	2901	2939	3057
15	Municipality	3576	3576	3373	3812	4353	4653	4651	4469	4078	3841	3841	3325	3413	3591
16	Public Utility District	5883	5883	5559	6181	7001	7670	7748	7262	6781	6425	6425	5755	5687	5981
17	Investor-Owned Utility	19178	19178	16259	15744	17542	19304	19738	18326	16786	15539	15539	14908	18185	19823
18	Marketer	456	456	434	431	437	449	458	444	437	424	424	425	447	466
19	Direct-Service Industry	555	555	555	555	555	555	555	555	555	555	555	555	555	555
20	**Total Loads**	**33418**	**33418**	**29664**	**30241**	**33594**	**36854**	**37167**	**34945**	**32351**	**30531**	**30531**	**28637**	**32039**	**34302**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1552**	**1552**	**1431**	**1311**	**1311**	**1551**	**1551**	**1311**	**1311**	**1311**	**1311**	**1311**	**1311**	**1340**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	121	121	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1552**	**1552**	**1431**	**1311**	**1311**	**1551**	**1551**	**1311**	**1311**	**1311**	**1311**	**1311**	**1311**	**1340**
	East Continental Divide														
	Contracts	**19.8**	**19.8**	**17.4**	**17.1**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**19.8**	**19.8**	**17.4**	**17.1**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**793**	**793**	**793**	**297**	**165**	**165**	**165**	**165**	**165**	**165**	**173**	**263**	**623**	**643**
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	150	150	150	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	40.0	40.0	0
16	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
17	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
18	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
19	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
20	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
	Transfer Services	**219**	**219**	**219**	**219**	**219**	**216**	**216**	**216**	**219**	**219**	**219**	**74.8**	**219**	**219**
21	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	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	30	30	30	15	12	11	11	11	12	12	12	10	25	26
32	**Total Exports to PSW**	**1042**	**1042**	**1042**	**531**	**395**	**392**	**392**	**392**	**395**	**395**	**403**	**348**	**867**	**887**
	Total Exports														
33	Federal Entities	1796	1796	1673	1383	1338	1579	1581	1340	1339	1338	1338	1378	1380	1431
34	Investor Owned Utilities	593	593	593	293	237	237	237	237	237	237	237	201	587	587
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**	**2590**	**2590**	**2467**	**1845**	**1708**	**1946**	**1948**	**1707**	**1709**	**1707**	**1715**	**1661**	**2167**	**2219**

Table A-2: Regional Exports

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1577**	**1577**	**1463**	**1343**	**1343**	**1583**	**1583**	**1343**	**1343**	**1343**	**1343**	**1343**	**1343**	**1372**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1577**	**1577**	**1463**	**1343**	**1343**	**1583**	**1583**	**1343**	**1343**	**1343**	**1343**	**1343**	**1343**	**1372**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**643**	**643**	**643**	**297**	**165**	**165**	**15.0**	**15.0**	**15.0**	**15.0**	**22.8**	**113**	**473**	**478**
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	40.0	40.0	0
16	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
17	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
18	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
19	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
20	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
	Transfer Services	**219**	**219**	**219**	**219**	**219**	**216**	**216**	**216**	**219**	**219**	**219**	**74.8**	**219**	**219**
21	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	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	26	26	26	15	12	11	7	7	7	7	7	6	21	21
32	**Total Exports to PSW**	**887**	**887**	**887**	**531**	**395**	**392**	**238**	**238**	**241**	**241**	**249**	**193**	**712**	**717**
	Total Exports														
33	Federal Entities	1667	1667	1551	1415	1370	1611	1613	1372	1371	1370	1370	1410	1412	1448
34	Investor Owned Utilities	587	587	587	287	237	237	86.8	86.8	86.8	86.8	86.8	51.0	437	437
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**	**2455**	**2455**	**2338**	**1872**	**1740**	**1978**	**1830**	**1589**	**1591**	**1589**	**1597**	**1543**	**2049**	**2085**

Table A-2: Regional Exports

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1541**	**1541**	**1427**	**1307**	**1307**	**1547**	**1547**	**1307**	**1307**	**1307**	**1307**	**1307**	**1307**	**1336**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1541**	**1541**	**1427**	**1307**	**1307**	**1547**	**1547**	**1307**	**1307**	**1307**	**1307**	**1307**	**1307**	**1336**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**478**	**478**	**478**	**147**	**15.0**	**15.0**	**15.0**	**15.0**	**15.0**	**15.0**	**22.8**	**7.81**	**368**	**368**
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	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
16	PPL to REDD PwrS LTFirm	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	0	0	0
17	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
18	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
	Transfer Services	**219**	**219**	**219**	**219**	**219**	**216**	**216**	**216**	**219**	**219**	**219**	**74.8**	**219**	**219**
19	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	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	21	21	21	11	7	7	7	7	7	7	7	2.5	18	18
30	**Total Exports to PSW**	**717**	**717**	**717**	**376**	**241**	**238**	**238**	**238**	**241**	**241**	**249**	**85.1**	**604**	**604**
	Total Exports														
31	Federal Entities	1616	1616	1499	1379	1334	1575	1576	1335	1335	1334	1334	1317	1319	1350
32	Investor Owned Utilities	437	437	437	137	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
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**	**2253**	**2253**	**2136**	**1685**	**1554**	**1792**	**1793**	**1552**	**1555**	**1553**	**1561**	**1400**	**1906**	**1937**

Table A-2: Regional Exports

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1541**	**1541**	**1427**	**1307**	**1307**	**1547**	**1547**	**1307**	**1307**	**1307**	**1307**	**1307**	**1307**	**1336**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1541**	**1541**	**1427**	**1307**	**1307**	**1547**	**1547**	**1307**	**1307**	**1307**	**1307**	**1307**	**1307**	**1336**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**368**	**368**	**368**	**36.8**	**0**	**0**	**0**	**0**	**0**	**0**	**7.81**	**7.81**	**368**	**368**
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	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
16	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
17	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
	Transfer Services	**219**	**219**	**219**	**219**	**219**	**216**	**216**	**216**	**219**	**219**	**219**	**74.8**	**219**	**219**
18	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCE to SCE TS PwrP	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	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	18	18	18	8	7	6	6	6	7	7	7	2.5	18	18
29	**Total Exports to PSW**	**604**	**604**	**604**	**263**	**225**	**223**	**223**	**223**	**225**	**225**	**233**	**85.1**	**604**	**604**
	Total Exports														
30	Federal Entities	1554	1554	1437	1317	1319	1560	1561	1320	1320	1318	1318	1317	1319	1350
31	Investor Owned Utilities	387	387	387	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
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**	**2141**	**2141**	**2025**	**1574**	**1538**	**1777**	**1778**	**1537**	**1540**	**1538**	**1546**	**1400**	**1907**	**1937**

Table A-2: Regional Exports

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**368**	**368**	**368**	**36.8**	**0**	**0**	**0**	**0**	**0**	**0**	**7.81**	**7.81**	**308**	**308**
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	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
16	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
17	SCL to NCPA SNX Del	60.0	60.0	60.0	29.0	0	0	0	0	0	0	0	0	0	0
	Transfer Services	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**55.0**	**199**	**199**
18	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	MID to MID TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Other Entities to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PG&E to PG&E TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	SCE to SCE TS PwrP	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	17	17	17	7	6	6	6	6	6	6	6	1.9	15	15
29	**Total Exports to PSW**	**584**	**584**	**584**	**243**	**205**	**205**	**205**	**205**	**205**	**205**	**213**	**64.7**	**522**	**522**
	Total Exports														
30	Federal Entities	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
31	Investor Owned Utilities	387	387	387	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
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**	**2139**	**2139**	**2023**	**1571**	**1536**	**1777**	**1778**	**1537**	**1537**	**1536**	**1543**	**1398**	**1844**	**1875**

Table A-2: Regional Exports

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**308**	**308**	**308**	**7.81**	**0**	**0**	**0**	**0**	**0**	**0**	**7.81**	**7.81**	**308**	**308**
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	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
16	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**55.0**	**199**	**199**
17	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	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
25	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
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	15	15	15	6	6	6	6	6	6	6	6	1.9	15	15
28	**Total Exports to PSW**	**522**	**522**	**522**	**213**	**205**	**205**	**205**	**205**	**205**	**205**	**213**	**64.7**	**522**	**522**
	Total Exports														
29	Federal Entities	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
30	Investor Owned Utilities	387	387	387	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
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	113	113	113	113	113	113	113	113	113	113	113	55.0	113	113
33	**Total Exports**	**2079**	**2079**	**1963**	**1542**	**1536**	**1777**	**1778**	**1537**	**1537**	**1536**	**1543**	**1398**	**1844**	**1875**

Table A-2: Regional Exports

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**308**	**308**	**308**	**7.81**	**0**	**0**	**0**	**0**	**0**	**0**	**7.81**	**7.81**	**308**	**308**
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	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
16	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**55.0**	**199**	**199**
17	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	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
25	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
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	15	15	15	6	6	6	6	6	6	6	6	1.9	15	15
28	**Total Exports to PSW**	**522**	**522**	**522**	**213**	**205**	**205**	**205**	**205**	**205**	**205**	**213**	**64.7**	**522**	**522**
	Total Exports														
29	Federal Entities	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
30	Investor Owned Utilities	387	387	387	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
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	113	113	113	113	113	113	113	113	113	113	113	55.0	113	113
33	**Total Exports**	**2079**	**2079**	**1963**	**1542**	**1536**	**1777**	**1778**	**1537**	**1537**	**1536**	**1543**	**1398**	**1844**	**1875**

Table A-2: Regional Exports

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**308**	**308**	**308**	**7.81**	**0**	**0**	**0**	**0**	**0**	**0**	**7.81**	**7.81**	**308**	**308**
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	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
16	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**199**	**55.0**	**199**	**199**
17	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	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
25	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
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	15	15	15	6	6	6	6	6	6	6	6	1.9	15	15
28	**Total Exports to PSW**	**522**	**522**	**522**	**213**	**205**	**205**	**205**	**205**	**205**	**205**	**213**	**64.7**	**522**	**522**
	Total Exports														
29	Federal Entities	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
30	Investor Owned Utilities	387	387	387	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
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	113	113	113	113	113	113	113	113	113	113	113	55.0	113	113
33	**Total Exports**	**2079**	**2079**	**1963**	**1542**	**1536**	**1777**	**1778**	**1537**	**1537**	**1536**	**1543**	**1398**	**1844**	**1875**

Table A-2: Regional Exports

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**308**	**308**	**308**	**7.81**	**0**	**0**	**0**	**0**	**0**	**0**	**7.81**	**7.81**	**308**	**308**
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	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
16	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**0**	**144**	**144**
17	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	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
25	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
26	Intertie Losses	14	14	14	5	4	4	4	4	4	4	5	0.23	14	14
27	**Total Exports to PSW**	**465**	**465**	**465**	**156**	**148**	**148**	**148**	**148**	**148**	**148**	**156**	**8.04**	**465**	**465**
	Total Exports														
28	Federal Entities	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
29	Investor Owned Utilities	387	387	387	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
30	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
31	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
32	**Total Exports**	**2024**	**2024**	**1908**	**1487**	**1481**	**1722**	**1723**	**1482**	**1482**	**1481**	**1488**	**1343**	**1789**	**1820**

Table A-2: Regional Exports

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
1	BPA-P to BCHP Trty LCADel	120	120	120	0	0	240	240	0	0	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	114	114	0	0	0	0	0	0	0	0	0	0	0	28.9
4	**Total Exports to CAN**	**1558**	**1558**	**1444**	**1324**	**1324**	**1564**	**1564**	**1324**	**1324**	**1324**	**1324**	**1324**	**1324**	**1353**
	East Continental Divide														
	Contracts	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
5	AVWP to PPLM PwrS LTFirm	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
6	BPA-P to Other Entities	13.0	13.0	10.6	10.3	11.9	12.9	14.1	13.3	13.0	11.4	11.4	10.00	12.3	14.0
7	**Total Exports to ECD**	**14.0**	**14.0**	**11.6**	**11.3**	**12.9**	**13.9**	**15.1**	**14.3**	**14.0**	**12.4**	**12.4**	**11.0**	**13.3**	**15.0**
	Inland Southwest														
	Transfer Services														
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														
	Contracts	**308**	**308**	**308**	**7.81**	**0**	**0**	**0**	**0**	**0**	**0**	**7.81**	**7.81**	**308**	**308**
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	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
16	PSE to PG&E SNX Del	300	300	300	0	0	0	0	0	0	0	0	0	300	300
	Transfer Services	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**144**	**0**	**144**	**144**
17	BURB to BURB TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	GLEN to GLEN TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	LDWP to LDWP TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	SCE to SCE TS PwrP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	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
25	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
26	Intertie Losses	14	14	14	5	4	4	4	4	4	4	5	0.23	14	14
27	**Total Exports to PSW**	**465**	**465**	**465**	**156**	**148**	**148**	**148**	**148**	**148**	**148**	**156**	**8.04**	**465**	**465**
	Total Exports														
28	Federal Entities	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
29	Investor Owned Utilities	387	387	387	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	1.00	387	387
30	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
31	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
32	**Total Exports**	**2024**	**2024**	**1908**	**1487**	**1481**	**1722**	**1723**	**1482**	**1482**	**1481**	**1488**	**1343**	**1789**	**1820**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	0	0	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	175	175	155	154	159	170	178	165	159	147	147	148	166	184
7	**Total Imports From ECD**	**175**	**175**	**155**	**154**	**159**	**170**	**178**	**165**	**159**	**147**	**147**	**148**	**166**	**184**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	701	701	598	547	549	627	573	571	546	519	519	559	778	851
9	**Total Imports From ISW**	**701**	**701**	**598**	**547**	**549**	**627**	**573**	**571**	**546**	**519**	**519**	**559**	**778**	**851**
	Pacific Southwest														
	Contracts	**55.0**	**55.0**	**71.3**	**71.3**	**510**	**502**	**502**	**502**	**127**	**76.5**	**76.5**	**10.00**	**0**	**55.0**
10	BARC to PSE PwrS LTFirm	0	0	0	0	75.0	75.0	75.0	75.0	0	0	0	0	0	0
11	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
12	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
13	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
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
15	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
16	RVSD to BPA-P SNX Ret	0	0	0	0	25.4	25.4	25.4	25.4	25.4	25.4	25.4	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	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
19	**Total Imports From PSW**	**55.0**	**55.0**	**71.3**	**71.3**	**510**	**502**	**502**	**502**	**127**	**76.5**	**76.5**	**10.00**	**0**	**55.0**
	Total Imports														
20	Federal Entities	56.0	56.0	312	312	112	81.8	81.8	81.8	322	65.5	65.5	11.0	1.00	56.0
21	Investor Owned Utilities	704	704	601	550	928	1006	953	950	550	523	523	562	781	854
22	Marketer	175	175	155	154	159	170	178	165	159	147	147	148	166	184
23	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143
24	**Total Imports**	**1077**	**1077**	**1210**	**1159**	**1321**	**1422**	**1408**	**1426**	**1285**	**889**	**889**	**864**	**1091**	**1236**

Table A-3: Regional: Imports

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	0	0	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	177	177	157	155	160	171	180	167	161	148	148	150	169	186
7	**Total Imports From ECD**	**177**	**177**	**157**	**155**	**160**	**171**	**180**	**167**	**161**	**148**	**148**	**150**	**169**	**186**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	720	720	612	557	556	635	580	578	553	525	525	566	791	865
9	**Total Imports From ISW**	**720**	**720**	**612**	**557**	**556**	**635**	**580**	**578**	**553**	**525**	**525**	**566**	**791**	**865**
	Pacific Southwest														
	Contracts	**55.0**	**55.0**	**71.3**	**71.3**	**485**	**502**	**502**	**502**	**127**	**76.5**	**76.5**	**10.00**	**0**	**40.0**
10	BARC to PSE PwrS LTFirm	0	0	0	0	75.0	75.0	75.0	75.0	0	0	0	0	0	0
11	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
12	PASA to BPA-P CNX Repl	15.0	15.0	15.0	15.0	0	0	0	0	0	0	0	0	0	0
13	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
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
15	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
16	RVSD to BPA-P SNX Ret	0	0	0	0	25.4	25.4	25.4	25.4	25.4	25.4	25.4	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	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
19	**Total Imports From PSW**	**55.0**	**55.0**	**71.3**	**71.3**	**485**	**502**	**502**	**502**	**127**	**76.5**	**76.5**	**10.00**	**0**	**40.0**
	Total Imports														
20	Federal Entities	56.0	56.0	312	312	86.8	81.8	81.8	81.8	322	65.5	65.5	11.0	1.00	41.0
21	Investor Owned Utilities	723	723	615	560	935	1014	960	957	557	529	529	569	794	868
22	Marketer	177	177	157	155	160	171	180	167	161	148	148	150	169	186
23	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143
24	**Total Imports**	**1098**	**1098**	**1226**	**1170**	**1304**	**1432**	**1416**	**1434**	**1294**	**897**	**897**	**872**	**1106**	**1237**

Table A-3: Regional: Imports

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	240	240	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	179	179	159	156	162	173	181	168	162	149	149	151	171	189
7	**Total Imports From ECD**	**179**	**179**	**159**	**156**	**162**	**173**	**181**	**168**	**162**	**149**	**149**	**151**	**171**	**189**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	731	731	619	561	560	639	584	583	558	530	530	570	800	875
9	**Total Imports From ISW**	**731**	**731**	**619**	**561**	**560**	**639**	**584**	**583**	**558**	**530**	**530**	**570**	**800**	**875**
	Pacific Southwest														
	Contracts	**40.0**	**40.0**	**40.0**	**40.0**	**389**	**411**	**411**	**411**	**111**	**76.6**	**76.6**	**0**	**0**	**0**
10	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	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
15	RVSD to BPA-P SNX Ret	0	0	0	0	25.5	25.5	25.5	25.5	25.5	25.5	25.5	0	0	0
16	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17	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
18	**Total Imports From PSW**	**40.0**	**40.0**	**40.0**	**40.0**	**389**	**411**	**411**	**411**	**111**	**76.6**	**76.6**	**0**	**0**	**0**
	Total Imports														
19	Federal Entities	41.0	41.0	281	281	65.6	65.6	65.6	65.6	306	306	306	1.00	1.00	1.00
20	Investor Owned Utilities	734	734	622	564	864	943	889	887	562	534	534	573	803	878
21	Marketer	179	179	159	156	162	173	181	168	162	149	149	151	171	189
22	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143
23	**Total Imports**	**1097**	**1097**	**1204**	**1144**	**1213**	**1346**	**1331**	**1350**	**1284**	**1143**	**1143**	**868**	**1117**	**1210**

Table A-3: Regional: Imports

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	240	240	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	182	182	161	158	163	175	183	170	164	151	151	153	173	191
7	**Total Imports From ECD**	**182**	**182**	**161**	**158**	**163**	**175**	**183**	**170**	**164**	**151**	**151**	**153**	**173**	**191**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	739	739	624	565	563	643	587	586	562	533	533	574	808	884
9	**Total Imports From ISW**	**739**	**739**	**624**	**565**	**563**	**643**	**587**	**586**	**562**	**533**	**533**	**574**	**808**	**884**
	Pacific Southwest														
	Contracts	**0**	**0**	**0**	**0**	**325**	**346**	**346**	**346**	**46.0**	**12.0**	**12.0**	**0**	**0**	**0**
10	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17	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
18	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**325**	**346**	**346**	**346**	**46.0**	**12.0**	**12.0**	**0**	**0**	**0**
	Total Imports														
19	Federal Entities	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
20	Investor Owned Utilities	742	742	627	568	867	947	892	890	566	537	537	577	811	887
21	Marketer	182	182	161	158	163	175	183	170	164	151	151	153	173	191
22	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143
23	**Total Imports**	**1067**	**1067**	**1171**	**1110**	**1153**	**1287**	**1271**	**1290**	**1225**	**1083**	**1083**	**873**	**1127**	**1222**

Table A-3: Regional: Imports

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	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	0	0	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	183	183	162	159	165	176	185	171	165	152	152	154	175	193
7	**Total Imports From ECD**	**183**	**183**	**162**	**159**	**165**	**176**	**185**	**171**	**165**	**152**	**152**	**154**	**175**	**193**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	747	747	628	569	566	647	590	589	565	536	536	578	817	893
9	**Total Imports From ISW**	**747**	**747**	**628**	**569**	**566**	**647**	**590**	**589**	**565**	**536**	**536**	**578**	**817**	**893**
	Pacific Southwest														
	Contracts	**0**	**0**	**0**	**0**	**325**	**346**	**346**	**346**	**46.0**	**12.0**	**12.0**	**0**	**0**	**0**
10	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17	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
18	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**325**	**346**	**346**	**346**	**46.0**	**12.0**	**12.0**	**0**	**0**	**0**
	Total Imports														
19	Federal Entities	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
20	Investor Owned Utilities	750	750	631	572	870	951	895	893	569	540	540	581	820	896
21	Marketer	183	183	162	159	165	176	185	171	165	152	152	154	175	193
22	Municipality	143	143	143	143	122	164	195	228	254	155	155	143	143	143
23	**Total Imports**	**1077**	**1077**	**1177**	**1115**	**1158**	**1293**	**1276**	**1294**	**1229**	**847**	**847**	**878**	**1138**	**1232**

Table A-3: Regional: Imports

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	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	0	0	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	185	185	164	161	166	178	186	173	167	153	153	155	176	195
7	**Total Imports From ECD**	**185**	**185**	**164**	**161**	**166**	**178**	**186**	**173**	**167**	**153**	**153**	**155**	**176**	**195**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	755	755	632	573	569	650	594	593	569	540	540	582	826	903
9	**Total Imports From ISW**	**755**	**755**	**632**	**573**	**569**	**650**	**594**	**593**	**569**	**540**	**540**	**582**	**826**	**903**
	Pacific Southwest														
	Contracts	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
10	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports														
18	Federal Entities	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
19	Investor Owned Utilities	758	758	635	576	873	954	899	897	573	544	544	585	829	906
20	Marketer	185	185	164	161	166	178	186	173	167	153	153	155	176	195
21	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
22	**Total Imports**	**1086**	**1086**	**1182**	**1121**	**1138**	**1251**	**1235**	**1254**	**1189**	**841**	**841**	**884**	**1148**	**1244**

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	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	0	0	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**147**	**147**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	186	186	165	162	168	179	188	174	168	155	155	156	178	196
7	**Total Imports From ECD**	**186**	**186**	**165**	**162**	**168**	**179**	**188**	**174**	**168**	**155**	**155**	**156**	**178**	**196**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	763	763	636	576	572	653	597	596	572	543	543	585	835	913
9	**Total Imports From ISW**	**763**	**763**	**636**	**576**	**572**	**653**	**597**	**596**	**572**	**543**	**543**	**585**	**835**	**913**
	Pacific Southwest														
	Contracts	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
10	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports														
18	Federal Entities	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
19	Investor Owned Utilities	766	766	639	579	876	957	902	900	576	547	547	588	838	916
20	Marketer	186	186	165	162	168	179	188	174	168	155	155	156	178	196
21	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
22	**Total Imports**	**1096**	**1096**	**1187**	**1125**	**1142**	**1256**	**1240**	**1258**	**1193**	**845**	**845**	**888**	**1159**	**1255**

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120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	240	240	0	0	0
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
5 Total Imports From CAN	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
East Continental Divide														
Transfer Services														
6 Unk_ECD_Mrktr to Other Entities	188	188	167	163	169	181	189	176	169	156	156	158	179	198
7 Total Imports From ECD	**188**	**188**	**167**	**163**	**169**	**181**	**189**	**176**	**169**	**156**	**156**	**158**	**179**	**198**
Inland Southwest														
Transfer Services														
8 RMP to RMP TS PwrP	771	771	640	580	575	657	600	599	576	547	547	589	843	922
9 Total Imports From ISW	**771**	**771**	**640**	**580**	**575**	**657**	**600**	**599**	**576**	**547**	**547**	**589**	**843**	**922**
Pacific Southwest														
Contracts	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
10 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17 Total Imports From PSW	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
Total Imports														
18 Federal Entities	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
19 Investor Owned Utilities	774	774	643	583	879	961	905	903	580	551	551	592	846	925
20 Marketer	188	188	167	163	169	181	189	176	169	156	156	158	179	198
21 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
22 Total Imports	**1105**	**1105**	**1193**	**1130**	**1146**	**1261**	**1244**	**1262**	**1199**	**1090**	**1090**	**893**	**1168**	**1266**

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	120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Canada														
	Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
1	BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	240	240	0	0	0
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
5	**Total Imports From CAN**	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
	East Continental Divide														
	Transfer Services														
6	Unk_ECD_Mrktr to Other Entities	189	189	168	165	170	182	191	177	171	157	157	159	181	200
7	**Total Imports From ECD**	**189**	**189**	**168**	**165**	**170**	**182**	**191**	**177**	**171**	**157**	**157**	**159**	**181**	**200**
	Inland Southwest														
	Transfer Services														
8	RMP to RMP TS PwrP	779	779	644	584	578	661	604	603	580	550	550	593	852	932
9	**Total Imports From ISW**	**779**	**779**	**644**	**584**	**578**	**661**	**604**	**603**	**580**	**550**	**550**	**593**	**852**	**932**
	Pacific Southwest														
	Contracts	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
10	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
	Total Imports														
18	Federal Entities	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
19	Investor Owned Utilities	782	782	647	587	882	965	909	907	584	554	554	596	855	935
20	Marketer	189	189	168	165	170	182	191	177	171	157	157	159	181	200
21	Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
22	**Total Imports**	**1115**	**1115**	**1198**	**1136**	**1151**	**1267**	**1250**	**1268**	**1204**	**1094**	**1094**	**899**	**1179**	**1278**

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120Hr-MW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Canada														
Contracts	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
1 BCHP to SCL PwrS LTFirm	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
2 BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3 BCHP to BPA-P Trty LCARtn	0	0	240	240	0	0	0	0	240	240	240	0	0	0
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
5 Total Imports From CAN	**146**	**146**	**386**	**387**	**102**	**124**	**155**	**188**	**453**	**387**	**387**	**147**	**146**	**146**
East Continental Divide														
Transfer Services														
6 Unk_ECD_Mrktr to Other Entities	191	191	169	166	172	184	193	179	172	159	159	160	182	201
7 Total Imports From ECD	**191**	**191**	**169**	**166**	**172**	**184**	**193**	**179**	**172**	**159**	**159**	**160**	**182**	**201**
Inland Southwest														
Transfer Services														
8 RMP to RMP TS PwrP	788	788	648	588	581	665	607	606	583	554	554	597	861	942
9 Total Imports From ISW	**788**	**788**	**648**	**588**	**581**	**665**	**607**	**606**	**583**	**554**	**554**	**597**	**861**	**942**
Pacific Southwest														
Contracts	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
10 PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PG&E to PSE SNX Ret	0	0	0	0	300	300	300	300	0	0	0	0	0	0
17 Total Imports From PSW	**0**	**0**	**0**	**0**	**300**	**300**	**300**	**300**	**0**	**0**	**0**	**0**	**0**	**0**
Total Imports														
18 Federal Entities	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
19 Investor Owned Utilities	791	791	651	591	885	969	912	910	587	558	558	600	864	945
20 Marketer	191	191	169	166	172	184	193	179	172	159	159	160	182	201
21 Municipality	143	143	143	143	97.2	118	149	182	208	143	143	143	143	143
22 Total Imports	**1125**	**1125**	**1204**	**1141**	**1155**	**1272**	**1254**	**1272**	**1208**	**1100**	**1100**	**904**	**1189**	**1289**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**1063**	**1063**	**1198**	**905**	**1445**	**1336**	**1412**	**1413**	**1264**	**1257**	**1257**	**621**	**881**	**545**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
2	AVWP to PGE CapX Del	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
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
5	BPA-P to Other Entities	425	425	275	0	0	0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	0
6	BPA-P to PPL SNX SprgDel	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
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
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
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
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
12	DOPD to Other Entities	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
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
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
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
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	108	108	58.0	17.0	267	267	267	267	267	267	267	17.0	17.0	17.0
20	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
21	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
22	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
23	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
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	91.6	91.6	91.6	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**1063**	**1063**	**1198**	**905**	**1445**	**1336**	**1412**	**1413**	**1264**	**1257**	**1257**	**621**	**881**	**545**
	Intra-Regional Contracts Out														
35	Federal Entities	434	434	284	9.00	287	283	357	358	220	218	218	84.0	84.0	9.00
36	Investor Owned Utilities	266	266	618	637	631	523	523	523	536	537	537	265	527	266
37	Marketer	253	253	203	170	438	438	438	438	420	412	412	162	162	162
38	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
39	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
40	**Total Regional Contracts Out**	**1063**	**1063**	**1198**	**905**	**1445**	**1336**	**1412**	**1413**	**1264**	**1257**	**1257**	**621**	**881**	**545**
	Intra-Regional Contracts In														
41	Federal Entities	128	128	432	391	637	545	545	545	545	549	549	37.2	299	37.2
42	Investor Owned Utilities	501	501	384	380	657	657	683	684	540	514	514	401	399	399
43	Marketer	341	341	291	15.5	15.5	15.5	65.5	65.5	65.5	90.5	90.5	90.5	90.5	15.5
44	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
45	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
46	**Total Regional Contracts In**	**1063**	**1063**	**1198**	**905**	**1445**	**1336**	**1412**	**1413**	**1264**	**1257**	**1257**	**621**	**881**	**545**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**539**	**539**	**783**	**862**	**1155**	**1139**	**1139**	**1139**	**989**	**980**	**980**	**594**	**864**	**603**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
2	AVWP to PGE CapX Del	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
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
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	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
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
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
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
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
12	DOPD to Other Entities	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
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
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
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
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	17.0	17.0	17.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
20	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
21	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
22	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
23	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
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**539**	**539**	**783**	**862**	**1155**	**1139**	**1139**	**1139**	**989**	**980**	**980**	**594**	**864**	**603**
	Intra-Regional Contracts Out														
35	Federal Entities	9.00	9.00	9.00	9.00	288	285	283	283	145	143	143	9.00	9.00	9.00
36	Investor Owned Utilities	266	266	527	545	540	523	523	523	536	537	537	265	527	266
37	Marketer	164	164	164	229	249	249	249	249	229	220	220	220	220	220
38	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
39	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
40	**Total Regional Contracts Out**	**539**	**539**	**783**	**862**	**1155**	**1139**	**1139**	**1139**	**989**	**980**	**980**	**594**	**864**	**603**
	Intra-Regional Contracts In														
41	Federal Entities	37.2	37.2	299	355	351	351	351	351	351	355	355	93.2	355	93.2
42	Investor Owned Utilities	391	391	374	370	649	650	649	649	506	504	504	391	399	399
43	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
44	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
45	Public Utility District	91.0	91.0	91.0	119	137	120	120	120	113	102	102	91.0	91.0	91.0
46	**Total Regional Contracts In**	**539**	**539**	**783**	**862**	**1155**	**1139**	**1139**	**1139**	**989**	**980**	**980**	**594**	**864**	**603**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**597**	**597**	**841**	**852**	**1143**	**1130**	**1126**	**1126**	**964**	**957**	**957**	**573**	**842**	**582**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
2	AVWP to PGE CapX Del	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
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
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	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
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
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
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
11	CLAT to IPC NX Ret	7.00	7.00	4.00	0	0	4.00	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	19.0	17.0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	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
18	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
19	Other Entities to BPA-P	73.0	73.0	73.0	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
20	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
21	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
22	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
23	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
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**597**	**597**	**841**	**852**	**1143**	**1130**	**1126**	**1126**	**964**	**957**	**957**	**573**	**842**	**582**
	Intra-Regional Contracts Out														
35	Federal Entities	9.00	9.00	9.00	9.00	283	282	282	283	144	143	143	9.00	9.00	9.00
36	Investor Owned Utilities	266	266	527	545	540	523	523	523	523	526	526	265	527	266
37	Marketer	222	222	222	219	242	242	242	242	219	209	209	209	209	209
38	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
39	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
40	**Total Regional Contracts Out**	**597**	**597**	**841**	**852**	**1143**	**1130**	**1126**	**1126**	**964**	**957**	**957**	**573**	**842**	**582**
	Intra-Regional Contracts In														
41	Federal Entities	93.2	93.2	355	342	338	338	338	338	338	342	342	80.2	342	80.2
42	Investor Owned Utilities	391	391	374	370	644	647	643	643	504	504	504	381	388	389
43	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
44	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
45	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
46	**Total Regional Contracts In**	**597**	**597**	**841**	**852**	**1143**	**1130**	**1126**	**1126**	**964**	**957**	**957**	**573**	**842**	**582**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**564**	**564**	**811**	**721**	**1003**	**1001**	**853**	**849**	**702**	**701**	**701**	**317**	**586**	**326**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
2	AVWP to PGE CapX Del	150	150	150	150	150	150	0	0	0	0	0	0	0	0
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
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
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	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
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
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
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
11	CLAT to IPC NX Ret	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	51.0	51.0	51.0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	9.00	9.00	9.00	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
20	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
21	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
22	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
23	Other Entities to PGE	100.0	100.0	100.0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**564**	**564**	**811**	**721**	**1003**	**1001**	**853**	**849**	**702**	**701**	**701**	**317**	**586**	**326**
	Intra-Regional Contracts Out														
35	Federal Entities	9.00	9.00	9.00	9.00	286	284	287	282	144	143	143	9.00	9.00	9.00
36	Investor Owned Utilities	266	266	527	426	423	423	273	273	273	276	276	14.8	277	15.8
37	Marketer	196	196	196	207	215	215	215	215	207	203	203	203	203	203
38	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
39	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
40	**Total Regional Contracts Out**	**564**	**564**	**811**	**721**	**1003**	**1001**	**853**	**849**	**702**	**701**	**701**	**317**	**586**	**326**
	Intra-Regional Contracts In														
41	Federal Entities	80.2	80.2	342	349	345	345	345	345	345	349	349	87.2	349	87.2
42	Investor Owned Utilities	384	384	370	270	547	545	397	393	254	254	254	131	138	139
43	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
44	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
45	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
46	**Total Regional Contracts In**	**564**	**564**	**811**	**721**	**1003**	**1001**	**853**	**849**	**702**	**701**	**701**	**317**	**586**	**326**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**314**	**314**	**430**	**452**	**710**	**708**	**706**	**706**	**568**	**570**	**570**	**317**	**455**	**326**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	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
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
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	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
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
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
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
11	CLAT to IPC NX Ret	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	67.0	67.0	67.0	90.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
20	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
21	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**314**	**314**	**430**	**452**	**710**	**708**	**706**	**706**	**568**	**570**	**570**	**317**	**455**	**326**
	Intra-Regional Contracts Out														
35	Federal Entities	9.00	9.00	9.00	9.00	287	284	283	282	144	143	143	9.00	9.00	9.00
36	Investor Owned Utilities	15.8	15.8	146	145	142	142	142	142	142	145	145	14.8	146	15.8
37	Marketer	196	196	196	219	203	203	203	203	203	203	203	203	203	203
38	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
39	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
40	**Total Regional Contracts Out**	**314**	**314**	**430**	**452**	**710**	**708**	**706**	**706**	**568**	**570**	**570**	**317**	**455**	**326**
	Intra-Regional Contracts In														
41	Federal Entities	87.2	87.2	218	241	221	221	221	221	221	225	225	94.2	225	94.2
42	Investor Owned Utilities	134	134	120	120	398	395	393	393	255	254	254	131	138	139
43	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
44	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
45	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
46	**Total Regional Contracts In**	**314**	**314**	**430**	**452**	**710**	**708**	**706**	**706**	**568**	**570**	**570**	**317**	**455**	**326**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**321**	**321**	**437**	**440**	**443**	**443**	**444**	**444**	**437**	**440**	**440**	**321**	**459**	**330**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	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
6	BPA-P to PPL SNX SprgDel	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
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
9	BPA-P to PSE Setl WNP3 Del	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
11	CLAT to IPC NX Ret	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	74.0	74.0	74.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
20	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
21	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	131	131	131	131	131	131	131	131	131	0	131	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**321**	**321**	**437**	**440**	**443**	**443**	**444**	**444**	**437**	**440**	**440**	**321**	**459**	**330**
	Intra-Regional Contracts Out														
35	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
36	Investor Owned Utilities	15.8	15.8	146	145	142	142	142	142	142	145	145	14.8	146	15.8
37	Marketer	203	203	203	207	207	207	207	207	207	207	207	207	207	207
38	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
39	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
40	**Total Regional Contracts Out**	**321**	**321**	**437**	**440**	**443**	**443**	**444**	**444**	**437**	**440**	**440**	**321**	**459**	**330**
	Intra-Regional Contracts In														
41	Federal Entities	94.2	94.2	225	229	225	225	225	225	225	229	229	98.2	229	98.2
42	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
43	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
44	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
45	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
46	**Total Regional Contracts In**	**321**	**321**	**437**	**440**	**443**	**443**	**444**	**444**	**437**	**440**	**440**	**321**	**459**	**330**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**325**	**325**	**310**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	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
6	BPA-P to PPL SNX SprgDel	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
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
9	BPA-P to PSE Setl WNP3 Del	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
11	CLAT to IPC NX Ret	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	78.0	78.0	78.0	0	0	0	0	0	0	0	0	0	0	0
20	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
21	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**325**	**325**	**310**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts Out														
35	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
36	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
37	Marketer	207	207	207	129	129	129	129	129	129	129	129	129	129	129
38	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
39	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
40	**Total Regional Contracts Out**	**325**	**325**	**310**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts In														
41	Federal Entities	98.2	98.2	98.2	20.2	16.5	16.5	16.5	16.5	16.5	20.2	20.2	20.2	20.2	20.2
42	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
43	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
44	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
45	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
46	**Total Regional Contracts In**	**325**	**325**	**310**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	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
6	BPA-P to PPL SNX SprgDel	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
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
9	BPA-P to PSE Setl WNP3 Del	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
11	CLAT to IPC NX Ret	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	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
21	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts Out														
35	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
36	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
37	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
38	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
39	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
40	**Total Regional Contracts Out**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts In														
41	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
42	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
43	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
44	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
45	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
46	**Total Regional Contracts In**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	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
6	BPA-P to PPL SNX SprgDel	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
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
9	BPA-P to PSE Setl WNP3 Del	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
11	CLAT to IPC NX Ret	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	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
21	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts Out														
35	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
36	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
37	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
38	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
39	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
40	**Total Regional Contracts Out**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts In														
41	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
42	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
43	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
44	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
45	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
46	**Total Regional Contracts In**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Intra-Regional Transfers														
	Contracts	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	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
6	BPA-P to PPL SNX SprgDel	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
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
9	BPA-P to PSE Setl WNP3 Del	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
11	CLAT to IPC NX Ret	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
13	EWEB to PGE CapX Del	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
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
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	JPMV to BPA-P PwrP T2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	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
19	Other Entities to BPA-P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	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
21	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	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
32	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104
33	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	**Total Intra-Regional Transfers**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts Out														
35	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
36	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
37	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129
38	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
39	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
40	**Total Regional Contracts Out**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**
	Intra-Regional Contracts In														
41	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
42	Investor Owned Utilities	134	134	120	120	127	127	127	127	120	120	120	131	138	139
43	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
44	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
45	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
46	**Total Regional Contracts In**	**247**	**247**	**232**	**231**	**234**	**234**	**235**	**235**	**228**	**231**	**231**	**243**	**250**	**252**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	215	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**212**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	215	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**212**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	215	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**212**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	215	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**212**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	215	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**212**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0.06	2.94	2.94	7.01	8.16	8.68	8.26
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	215	194	164	156	144	139	149	170	204	210	247	242	227
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**178**	**215**	**326**	**339**	**463**	**477**	**467**

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	6.54	2.82	0.99	0	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	214	190	162	155	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**395**	**321**	**239**	**182**	**172**	**166**	**177**	**212**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	215	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**213**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	216	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**213**	**326**	**335**	**460**	**477**	**469**

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Diversion Dam	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04
13	Birch Creek (Gooding,ID)	1.25	1.25	1.11	1.00	1.14	1.10	0.31	1.19	1.73	1.63	1.63	1.60	1.34	1.19
14	Black Canyon #3	0.11	0.11	0.06	0.05	0.06	0	0	0	0.09	0.09	0.09	0.09	0.11	0.11
15	Black Creek	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70	3.70
16	Blind Canyon	0.73	0.73	1.09	0.89	0.15	0	0	0	0	0.57	0.57	1.61	0.97	0.73
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon Springs	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42
19	Briggs Creek	0.59	0.59	0.61	0.59	0.61	0.59	0.59	0.65	0.59	0.61	0.61	0.59	0.61	0.59
20	Briggs Project	0.20	0.20	0.12	0.21	0.21	0.22	0.13	0.20	0.22	0.13	0.13	0.20	0.19	0.12
21	Broadwater	1.77	1.81	2.13	2.76	2.98	2.91	2.85	2.78	2.79	3.11	3.04	3.59	3.05	2.33
22	Buffalo Hydro	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Bypass	8.26	8.26	6.54	2.82	0.99	0	0	0	0.06	2.94	2.94	7.01	8.16	8.68
26	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	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80
38	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
39	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
40	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
41	Cushman North Fork	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60	3.60
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	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
69	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
70	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
71	Hettinger	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
72	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
73	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
74	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0
75	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
76	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
77	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
78	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
79	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
80	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
81	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
82	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
83	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
84	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
85	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
86	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
87	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
88	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
89	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
90	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
91	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
92	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
93	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
94	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
95	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00
96	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
97	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
98	LQ-LS Drains (Pigeon Cove)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
99	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
100	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
101	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
102	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
103	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
104	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
105	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
106	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
107	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
108	Minikahda	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	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
110	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
111	Mora Drop	1.90	1.90	1.90	0	0	0	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
112	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
113	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
114	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
115	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
116	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
117	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

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	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
121	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
122	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
123	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79
124	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
125	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
126	Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01
127	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
128	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	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
130	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
131	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
132	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
133	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
134	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
135	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
136	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
137	Ravenscroft Ranch	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62	0.62
138	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
139	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
140	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
141	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
142	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
143	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
144	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
145	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
146	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
147	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
148	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
149	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
150	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
151	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
152	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
153	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
154	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
155	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	Stayton Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	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
158	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
159	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
160	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
161	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
162	Sygitowicz Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	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
164	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
165	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
166	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
167	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
168	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
169	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
170	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
171	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
172	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
173	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
174	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
175	Whitefish	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
176	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

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
177	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
178	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
179	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
180	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
181	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
182	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
183	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															
184	Cooperative	5.29	5.29	5.19	5.03	4.93	5.05	4.92	5.28	5.51	5.52	5.52	5.23	5.30	5.51
185	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
186	Investor Owned Utilities	215	216	194	164	156	144	139	149	167	204	206	244	242	228
187	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81
188	Municipality	139	138	90.2	39.0	4.07	4.77	4.07	5.57	14.1	84.7	84.7	169	189	195
189	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
190	**Total Small Hydro**	**398**	**397**	**325**	**241**	**183**	**172**	**166**	**177**	**213**	**326**	**335**	**460**	**477**	**469**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	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
8	Carty Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	399	399	400	409	418	423	423	421	417	410	410	406	401	398
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	3943	3943	3993	4030	4273	4335	4343	4300	4155	4118	4118	4051	3505	3947
40	Marketer	1482	1482	1482	1482	1382	1382	1382	1382	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**5886**	**5886**	**5937**	**5977**	**6122**	**6184**	**6193**	**6149**	**6103**	**6065**	**6065**	**5688**	**5444**	**5891**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	399	399	400	409	418	423	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	0	0	0	0	0	0	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	3943	3943	3993	4030	4273	4337	4563	4520	4375	4338	4338	4271	3725	4167
40	Marketer	1482	1482	1482	1482	1382	1382	1382	1382	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**5886**	**5886**	**5937**	**5977**	**6122**	**6187**	**6413**	**6369**	**6323**	**6285**	**6285**	**5908**	**5664**	**6111**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	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
8	Carty Generating Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4163	4163	4213	4250	4493	4557	4563	4520	4375	4334	4334	4267	3721	4167
40	Marketer	1482	1482	1482	1482	1382	1382	1382	1382	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6106**	**6106**	**6157**	**6197**	**6342**	**6407**	**6413**	**6369**	**6323**	**6281**	**6281**	**5904**	**5660**	**6111**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	20.5	20.5	20.5	20.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	0	0	440	440	440	440	440	440	440	440	440	440	440	440
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4163	4163	4649	4689	4932	4993	4903	4860	4815	4778	4778	4711	4165	4607
40	Marketer	1482	1482	1482	1482	1382	1382	1482	1482	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6106**	**6106**	**6593**	**6635**	**6780**	**6843**	**6853**	**6809**	**6763**	**6725**	**6725**	**6348**	**6104**	**6551**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

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	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	20.5	20.5	20.5	20.5	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	440	440	440	440	440	440	440	440	440	440	440	440	440	440
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4603	4603	4649	4689	4832	4893	4903	4860	4815	4778	4778	4711	4165	4607
40	Marketer	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6546**	**6546**	**6593**	**6635**	**6780**	**6843**	**6853**	**6809**	**6763**	**6725**	**6725**	**6348**	**6104**	**6551**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

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	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	440	440	440	440	440	440	440	440	440	440	440	440	440	440
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4603	4603	4653	4693	4836	4897	4903	4860	4815	4778	4778	4711	4165	4607
40	Marketer	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6546**	**6546**	**6597**	**6640**	**6784**	**6847**	**6853**	**6809**	**6763**	**6725**	**6725**	**6348**	**6104**	**6551**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	440	440	440	440	440	440	440	440	440	440	440	440	440	440
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4603	4603	4653	4690	4833	4897	4903	4860	4815	4778	4778	4711	4165	4607
40	Marketer	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6546**	**6546**	**6597**	**6637**	**6782**	**6847**	**6853**	**6809**	**6763**	**6725**	**6725**	**6348**	**6104**	**6551**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Combustion Turbine Resources														
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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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	440	440	440	440	440	440	440	440	440	440	440	440	440	440
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4603	4603	4653	4690	4833	4897	4903	4860	4815	4778	4778	4711	4165	4607
40	Marketer	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6546**	**6546**	**6597**	**6637**	**6782**	**6847**	**6853**	**6809**	**6763**	**6725**	**6725**	**6348**	**6104**	**6551**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	24.6	22.1	22.1	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	440	440	440	440	440	440	440	440	440	440	440	440	440	440
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4603	4603	4653	4690	4833	4897	4903	4860	4815	4778	4778	4711	4165	4607
40	Marketer	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6546**	**6546**	**6597**	**6637**	**6782**	**6847**	**6853**	**6809**	**6763**	**6725**	**6725**	**6348**	**6104**	**6551**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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	Big Hanaford	248	248	248	248	248	248	248	248	248	248	248	0	248	248
7	Boulder Park	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
8	Carty Generating Station	440	440	440	440	440	440	440	440	440	440	440	440	440	440
9	Chehalis Generation Facility	484	484	490	500	509	513	514	511	508	503	503	496	0	484
10	Dave Gates Generating Station	150	150	150	150	150	150	150	150	150	150	150	150	150	150
11	Encogen	160	160	162	165	168	169	170	168	167	166	166	164	162	160
12	Evander Andrews Complex	249	249	254	259	264	275	275	266	258	260	260	257	253	248
13	Danskin 1	82.0	82.0	84.0	86.0	88.0	92.0	92.0	88.0	86.0	86.0	86.0	86.0	84.0	82.0
14	Danskin 2	167	167	170	173	176	183	183	178	172	174	174	171	169	166
15	Frederickson CT	265	265	268	273	277	279	279	277	276	274	274	271	268	266
16	Frederickson Power Project	146	146	149	153	157	159	160	158	157	155	155	151	148	147
17	Fredonia	311	311	316	326	335	341	342	337	334	329	329	323	316	311
18	Fredonia 1 & 2	205	205	208	214	220	223	224	221	219	216	216	212	208	205
19	Fredonia 3 & 4	106	106	108	112	115	118	118	116	115	113	113	110	108	106
20	Goldendale Energy Center	257	257	262	266	271	275	274	272	269	267	267	263	260	257
21	Grimes Way	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	2.80	2.80	4.00
22	Kettle Falls Station (CT)	8.55	8.55	9.50	10.00	10.00	11.0	11.0	11.0	10.00	10.00	10.00	9.00	9.00	8.55
23	Klamath Generation Facility	484	484	484	484	484	484	484	484	484	484	484	484	484	484
24	Klamath Generation Peakings (C	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25	Langley Gulch CT	300	300	300	300	300	300	300	300	300	300	300	300	300	300
26	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
27	Mint Farm Energy Center	285	285	288	294	299	301	301	299	298	296	296	293	289	286
28	Northeast 1 & 2	44.0	44.0	46.0	0	64.0	66.0	66.0	64.0	62.0	60.0	60.0	46.0	46.0	42.0
29	Olympic View	5.90	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
30	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
31	Port Westward	619	619	620	629	638	643	643	641	637	630	630	626	621	618
32	Port Westward 1	399	399	400	409	418	423	423	421	417	410	410	406	401	398
33	Port Westward 2	220	220	220	220	220	220	220	220	220	220	220	220	220	220
34	Rathdrum	139	139	143	156	168	174	176	172	168	162	162	156	148	146
35	River Road	248	248	248	248	248	248	248	248	248	248	248	248	248	248
36	Satsop Combustion Turbine Proj	650	650	650	650	650	650	650	650	650	650	650	650	650	650
37	University of Washington Power	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	10.5	10.5	15.0
38	Whitehorn	147	147	149	153	157	160	160	158	157	155	155	152	149	147
	Total Combustion Turbine Resources														
39	Investor Owned Utilities	4603	4603	4653	4693	4836	4897	4903	4860	4815	4778	4778	4711	4165	4607
40	Marketer	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1482	1234	1482	1482
41	Municipality	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	13.3	13.3	19.0
42	Public Utility District	442	442	443	446	448	449	449	448	447	446	446	390	443	442
43	**Total**	**6546**	**6546**	**6597**	**6640**	**6784**	**6847**	**6853**	**6809**	**6763**	**6725**	**6725**	**6348**	**6104**	**6551**

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Exhibit 7
Table A-11: Regional Renewable Resources

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

Table A-11: Regional: Renewable Resources

Operating Year 2014

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	Farm Power Misty Meadow	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2014

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b			0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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

Table A-11: Regional: Renewable Resources

Operating Year 2014

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	118	119	119	119	119	119	119	119	118	118	118	118	118	118
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**160**	**161**	**161**	**161**	**160**	**161**	**160**	**161**	**159**	**160**	**159**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2016

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

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2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

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2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	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
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	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
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	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
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2021

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2021

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

Table A-11: Regional: Renewable Resources

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	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
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Renewable Resources														
1	3 Bar G Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Ashland Solar Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Public Works	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Bellevue Solar (Amity, OR)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Bennett Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Big Horn Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Big Horn 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Big Horn 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	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
14	Biglow Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Biglow Canyon 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Biglow Canyon 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Biglow Canyon 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Burley Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Camp Reed	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Cassia Farms Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Cassia Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	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
23	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
24	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
25	Cold Springs	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	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
27	Combine Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Combine Hills 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Combine Hills I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Condon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Cottonwood Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Deep Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	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
34	Desert Meadow Windfarm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	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
36	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
37	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
38	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
39	Echo Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	Echo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	Echo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Edaleen Cow Power	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
43	Elkhorn Valley Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	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
45	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
46	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
47	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
48	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
49	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
50	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
51	Foote Creek 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Foote Creek 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Foote Creek 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Fossil Gulch Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Golden Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Goodnoe Hills	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58	Goshen North (Ridgeline)	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Grandview Solar One	0	0	0	0	0	0	0	0	0	0	0	0	0	0
60	Grayland	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61	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
62	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
63	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
64	Hammett Hill	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Harvest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hay Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
68	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
69	High Mesa Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	Hopkins Ridge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	Hopkins Ridge 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
72	Hopkins Ridge I	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	Horse Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Horseshoe Bend Wind Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Hot Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
76	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
77	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78	Juniper Canyon	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79	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
80	King Estate Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Kittitas Valley Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
82	Klondike 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83	Klondike 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
84	Klondike 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
85	Klondike 3a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
86	Knudson Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
87	Lava Beds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
88	Leaning Juniper	0	0	0	0	0	0	0	0	0	0	0	0	0	0
89	Leaning Juniper 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
90	Leaning Juniper 2a	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	Leaning Juniper 2b	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	Lewandowski Farms	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	Lime Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	Linden Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	Livingston	0	0	0	0	0	0	0	0	0	0	0	0	0	0
96	Lower Snake Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	Lower Snake Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	Lower Snake Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	Mainline Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	Marengo Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	Marengo Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	Marengo Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	Meadow Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	Milner Dam Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	Neal Hot Springs	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
106	Nine Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	Nine Canyon Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	Nine Canyon Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Nine Canyon Wind 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	Notch Butte Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	Oregon Trail Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	Palouse Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	PaTu Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	Paynes Ferry Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	Pebble Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	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
117	Pilgrim Stage Station Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
118	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
119	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
120	Power County Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	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
122	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
123	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
124	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
125	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	Rattlesnake Road Wind Farm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	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
129	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
130	Rock River Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	Rockland wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	Rogerson Flats	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Ryegrass Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	Salmon Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	Salmon Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	Sawtooth	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	Shepherds Flat	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	Shepherds Flat - Central	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	Shepherds Flat - North	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	Shepherds Flat - South	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	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
142	Star Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	Stateline	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	Stateline-OR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
145	Stateline-WA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	Stoltze Biomass	2.90	2.90	2.90	2.90	2.70	2.70	2.70	2.70	2.70	2.90	2.90	2.90	2.90	2.90
147	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
148	Swauk Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	Thousand Springs Wind Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	Threemile Canyon Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	Treasure Valley Digester	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	Tuana Gulch Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	Tuana Springs Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	Two Ponds Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	Van Dyk's Holsteins	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
156	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
157	Vansycle	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	Vansycle 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	Vansycle 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Vantage Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	Wheat Field	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	White Bluffs Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	White Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	Wild Horse	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	Wild Horse Solar 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	Wild Horse Wind 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	Wild Horse Wind 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	Windy Point Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	Windy Point 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	Windy Point 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	Windy Point 2 - Phase 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	Wolverine Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	Yahoo Creek Wind	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	Yamhill Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Table A-11: Regional: Renewable Resources

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Renewable Resources														
176	Cooperative	10.1	10.1	10.1	10.1	9.88	9.88	9.88	9.88	9.88	10.1	10.1	10.1	10.1	10.1
177	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	Investor Owned Utilities	119	119	119	119	119	120	119	120	118	119	118	118	119	119
179	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	Municipality	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
181	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
182	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
183	**Total**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**161**	**160**	**160**	**160**	**160**	**160**	**160**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2014

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	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
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1982	1502	1636	1883	1872
63	Marketer	843	843	843	843	843	843	843	843	213	843	843	843	843	843
64	Municipality	128	128	128	128	128	128	128	128	128	116	116	114	116	128
65	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
66	Public Utility District	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**3050**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	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
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1982	1502	1636	1883	1872
63	Marketer	843	843	843	843	843	843	843	843	213	865	865	865	865	865
64	Municipality	128	128	128	128	128	128	128	128	128	93.6	93.6	91.6	93.6	106
65	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
66	Public Utility District	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**3050**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2016

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	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
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1510	1502	1636	1883	1872
63	Marketer	865	865	865	865	865	865	865	865	235	865	865	865	865	865
64	Municipality	106	106	106	106	106	106	106	106	106	105	105	101	101	115
65	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
66	Public Utility District	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**2578**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2017

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1982	1502	1636	1883	1872
63	Marketer	865	865	865	865	865	865	865	865	235	865	865	865	865	865
64	Municipality	112	112	113	115	115	117	118	117	117	105	105	101	101	115
65	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
66	Public Utility District	37.5	37.5	38.5	40.5	41.1	42.6	43.3	42.8	42.8	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**3050**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2018

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1982	1502	1636	1883	1872
63	Marketer	865	865	865	865	865	865	865	865	235	865	865	865	865	865
64	Municipality	112	112	113	115	115	117	118	117	117	105	105	101	101	115
65	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
66	Public Utility District	37.5	37.5	38.5	40.5	41.1	42.6	43.3	42.8	42.8	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**3050**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2019

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1510	1502	1636	1883	1872
63	Marketer	865	865	865	865	865	865	865	865	235	865	865	865	865	865
64	Municipality	112	112	113	115	115	117	118	117	117	105	105	101	101	115
65	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
66	Public Utility District	37.5	37.5	38.5	40.5	41.1	42.6	43.3	42.8	42.8	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**2578**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2020

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1982	1502	1636	1883	1872
63	Marketer	865	865	865	865	865	865	865	865	235	865	865	865	865	865
64	Municipality	112	112	113	115	115	117	118	117	117	105	105	101	101	115
65	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
66	Public Utility District	37.5	37.5	38.5	40.5	41.1	42.6	43.3	42.8	42.8	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**3050**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2021

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1982	1502	1636	1883	1872
63	Marketer	865	865	865	865	865	865	865	865	235	865	865	865	865	865
64	Municipality	112	112	113	115	115	117	118	117	117	105	105	101	101	115
65	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
66	Public Utility District	37.5	37.5	38.5	40.5	41.1	42.6	43.3	42.8	42.8	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**3050**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	0	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2022

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1510	1502	1636	1883	1872
63	Marketer	920	920	920	920	920	920	920	920	290	920	920	920	920	920
64	Municipality	56.8	56.8	57.8	59.8	60.4	61.9	62.6	62.1	62.1	49.6	49.6	46.1	45.7	59.7
65	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
66	Public Utility District	37.5	37.5	38.5	40.5	41.1	42.6	43.3	42.8	42.8	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**2578**	**2570**	**2700**	**2944**	**2948**

Table A-12: Regional: Cogeneration Resources

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Cogeneration Resources														
1	Biomass One	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
2	Boise Cascade Medford	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50	8.50
3	Cogen Co	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
4	Cogen Co 2	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	0	7.50	7.50	7.50
5	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
6	Coyote Springs	231	231	239	247	254	258	259	256	252	248	248	243	237	231
7	Coyote Springs 2	251	251	257	292	296	299	301	299	295	291	291	258	252	250
8	Evergreen Biopower Cogen	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
9	Ferndale Cogeneration Station	262	262	263	265	268	270	270	269	267	266	266	0	263	262
10	Georgia-Pacific (Toledo)	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
11	Georgia-Pacific Paper (Camas)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	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
13	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
14	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
15	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
16	Hermiston Generation Project	472	472	472	472	472	472	472	472	472	472	0	472	472	472
17	Hermiston Power Project	630	630	630	630	630	630	630	630	0	630	630	630	630	630
18	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
19	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
20	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
21	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
22	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
23	Lancaster	230	230	238	272	276	279	279	278	276	272	272	234	234	228
24	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
25	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
26	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	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
28	March Point Cogeneration	145	145	145	145	145	145	145	145	145	145	145	145	145	145
29	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
30	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
31	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
32	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
33	Potlatch	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
34	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
35	Potlach Wood Waste 1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36	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
37	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
38	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
39	Seneca Sawmill Cogen	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	6.00	6.00	4.00	6.00	18.0
40	Sierra Pacific - Abberdeen	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
41	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
42	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
43	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
44	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104
45	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
46	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
47	Sumas	124	124	125	128	130	131	131	130	130	129	129	127	125	124
48	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
49	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
50	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
51	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
52	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	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
55	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

Table A-12: Regional: Cogeneration Resources

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
56	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
57	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
58	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														
59	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
60	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
61	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	Investor Owned Utilities	1877	1877	1900	1983	2002	2014	2016	2011	1998	1982	1502	1636	1883	1872
63	Marketer	920	920	920	920	920	920	920	920	290	920	920	920	920	920
64	Municipality	56.8	56.8	57.8	59.8	60.4	61.9	62.6	62.1	62.1	49.6	49.6	46.1	45.7	59.7
65	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
66	Public Utility District	37.5	37.5	38.5	40.5	41.1	42.6	43.3	42.8	42.8	42.3	42.3	40.8	38.4	40.4
67	**Total**	**2947**	**2947**	**2973**	**3060**	**3080**	**3095**	**3098**	**3092**	**2422**	**3050**	**2570**	**2700**	**2944**	**2948**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Investor Owned Utilities	4468	4468	4468	4468	4468	4468	4468	4468	4468	3950	3950	3792	4314	4468
21	Marketer	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
22	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
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6478**	**6478**	**5592**	**6842**	**6996**

Table A-13: Regional: Large Thermal Resources

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Investor Owned Utilities	4468	4468	4468	4468	4468	4648	4648	4648	4648	4648	4648	4036	4494	4648
21	Marketer	1340	1340	1340	1340	1340	1160	1160	1160	1160	1160	1160	580	1160	1160
22	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
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**4616**	**5712**	**6996**

Table A-13: Regional: Large Thermal Resources

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	670	1340	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	335	335	670	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Investor Owned Utilities	4648	4648	4648	4648	4648	4748	4748	4748	4748	3868	3868	4226	4748	4748
21	Marketer	1160	1160	1160	1160	1160	1060	1060	1060	1060	530	530	1060	1060	1060
22	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
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**5586**	**5586**	**6416**	**6996**	**6996**

Table A-13: Regional: Large Thermal Resources

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	670	1340	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	335	335	670	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Investor Owned Utilities	4748	4748	4748	4748	4748	4847	4847	4847	4847	4139	4139	4172	4694	4847
21	Marketer	1060	1060	1060	1060	1060	960	960	960	960	480	480	960	960	960
22	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
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**5808**	**5808**	**5132**	**5712**	**6996**

Table A-13: Regional: Large Thermal Resources

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Investor Owned Utilities	4847	4847	4847	4847	4847	4847	4847	4847	4847	4847	4847	4135	4694	4847
21	Marketer	960	960	960	960	960	960	960	960	960	960	960	480	960	960
22	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
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**5746**	**6842**	**6996**

Table A-13: Regional: Large Thermal Resources

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Investor Owned Utilities	4847	4847	4847	4847	4847	4847	4847	4847	4847	4107	4107	4135	4847	4847
21	Marketer	960	960	960	960	960	960	960	960	960	960	960	480	960	960
22	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
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6256**	**6256**	**4616**	**5866**	**6996**

Table A-13: Regional: Large Thermal Resources

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Investor Owned Utilities	4847	4847	4847	4847	4847	4847	4847	4847	4847	4329	4329	3982	4694	4847
21	Marketer	960	960	960	960	960	960	960	960	960	960	960	480	960	960
22	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
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6478**	**6478**	**5592**	**6842**	**6996**

Table A-13: Regional: Large Thermal Resources

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-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 Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	670	670	335	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	670	670	335	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1565	1412	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	0	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Investor Owned Utilities	4847	4847	4847	4847	4847	4847	4325	4325	4325	4325	4325	4135	4172	4325
21	Marketer	960	960	960	960	960	960	960	960	960	960	960	480	960	960
22	Municipality	58.0	58.0	58.0	58.0	58.0	58.0	0	0	0	0	0	0	0	0
23	**Total**	**6996**	**6996**	**6996**	**6996**	**6996**	**6996**	**6416**	**6416**	**6416**	**6416**	**6416**	**4616**	**5132**	**6416**

Table A-13: Regional: Large Thermal Resources

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Centralia Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	670	1340	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	335	335	670	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	825	825	1565	1565	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	154	154	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	518	518	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	0	0	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
20	Investor Owned Utilities	4325	4325	4325	4325	4325	4325	4325	4325	4325	3395	3395	4325	4325	4325
21	Marketer	960	960	960	960	960	960	960	960	960	480	480	960	960	960
22	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Total**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**5006**	**5006**	**6416**	**6416**	**6416**

Table A-13: Regional: Large Thermal Resources

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Large Thermal Resources														
1	Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Centralia Complex	1340	1340	1340	1340	1340	1340	1340	1340	1340	670	670	1340	1340	1340
3	Centralia 1	670	670	670	670	670	670	670	670	670	335	335	670	670	670
4	Centralia 2	670	670	670	670	670	670	670	670	670	335	335	670	670	670
5	Colstrip	1565	1565	1565	1565	1565	1565	1565	1565	1565	1047	1047	1412	1412	1565
6	Colstrip 1	154	154	154	154	154	154	154	154	154	154	154	154	154	154
7	Colstrip 2	154	154	154	154	154	154	154	154	154	154	154	0	0	154
8	Colstrip 3	518	518	518	518	518	518	518	518	518	0	0	518	518	518
9	Colstrip 4	740	740	740	740	740	740	740	740	740	740	740	740	740	740
10	Columbia Generating Station	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
11	Jim Bridger	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120	2120
12	Jim Bridger #1	530	530	530	530	530	530	530	530	530	530	530	530	530	530
13	Jim Bridger #2	530	530	530	530	530	530	530	530	530	530	530	530	530	530
14	Jim Bridger #3	530	530	530	530	530	530	530	530	530	530	530	530	530	530
15	Jim Bridger #4	530	530	530	530	530	530	530	530	530	530	530	530	530	530
16	Valmy	261	261	261	261	261	261	261	261	261	261	261	261	261	261
17	North Valmy 1	127	127	127	127	127	127	127	127	127	127	127	127	127	127
18	North Valmy 2	134	134	134	134	134	134	134	134	134	134	134	134	134	134
	Total Large Thermal Resources														
19	Federal Entities	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
20	Investor Owned Utilities	4325	4325	4325	4325	4325	4325	4325	4325	4325	3617	3617	4172	4172	4325
21	Marketer	960	960	960	960	960	960	960	960	960	480	480	960	960	960
22	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Total**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**6416**	**5228**	**5228**	**5132**	**5132**	**6416**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Small Thermal & Miscellaneous														
1	Bangor Submarine Base	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
2	Bangor Base 1	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
3	Bangor Base 2	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
4	Boundary IC	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
5	Colstrip Energy Project	12.6	12.8	11.9	12.1	12.4	13.4	13.9	13.5	12.2	12.3	12.0	14.1	12.0	11.3
6	Covanta Marion Solid Waste	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
7	Crystal Mountain	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
8	Hooley Digester	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
9	Pocatello Waste	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
10	Puget Sound Shipyards Diesel G	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
11	Salmon Diesel	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
12	Spokane MSW	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
13	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12
	Total Small Thermal & Miscellaneous														
14	Federal Entities	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
15	Investor Owned Utilities	59.4	59.7	58.8	58.9	59.2	60.3	60.7	60.4	59.0	59.1	58.8	61.0	58.8	58.1
16	Municipality	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
17	Public Utility District	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
18	**Total**	**90.8**	**91.1**	**90.2**	**90.3**	**90.6**	**91.7**	**92.1**	**91.8**	**90.4**	**90.5**	**90.2**	**92.4**	**90.2**	**89.5**

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Exhibit 11
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	31.1	31.1	32.5	31.1	31.3	32.3	31.1	31.6	32.2	31.0	31.0	30.9	32.3	30.9
2	CHPD to BPA CEAEA for Rocky Reach	64.5	64.5	67.4	64.5	64.9	67.0	64.5	65.5	66.9	64.4	64.4	64.1	67.0	64.1
3	DOPD to BPA CEAEA for Wells	41.3	41.3	43.1	41.3	41.5	42.9	41.3	41.9	42.8	41.2	41.2	41.0	42.9	41.0
4	GCPD to BPA CEAEA for Priest Rapids	50.4	50.4	52.7	50.4	50.7	52.3	50.4	51.2	52.2	50.3	50.3	50.1	52.3	50.1
5	GCPD to BPA CEAEA for Wanpum	48.7	48.7	50.9	48.7	49.0	50.6	48.7	49.5	50.5	48.6	48.6	48.4	50.6	48.4
6	**Total Imports From PNW**	**236**	**236**	**247**	**236**	**237**	**245**	**236**	**240**	**245**	**236**	**236**	**234**	**245**	**234**

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

Operating Year: 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	32.1	32.1	31.0	30.9	32.3	30.9	30.9	31.4	32.0	31.3	31.3	32.4	31.3	31.2
2	CHPD to BPA CEAEA for Rocky Reach	66.6	66.6	64.4	64.1	67.1	64.1	64.1	65.1	66.5	65.0	65.0	67.2	65.0	64.7
3	DOPD to BPA CEAEA for Wells	42.6	42.6	41.2	41.0	42.9	41.0	41.0	41.7	42.5	41.6	41.6	43.0	41.6	41.4
4	GCPD to BPA CEAEA for Priest Rapids	52.0	52.0	50.3	50.1	52.4	50.1	50.1	50.9	51.9	50.8	50.8	52.5	50.8	50.6
5	GCPD to BPA CEAEA for Wanpum	50.3	50.3	48.6	48.4	50.6	48.4	48.4	49.2	50.2	49.1	49.1	50.7	49.1	48.9
6	**Total Imports From PNW**	**243**	**243**	**236**	**234**	**245**	**234**	**234**	**238**	**243**	**238**	**238**	**246**	**238**	**237**

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

Operating Year: 2016

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	32.4	32.4	31.3	31.2	32.6	31.2	32.4	31.5	31.1	31.3	31.3	32.3	31.3	32.3
2	CHPD to BPA CEAEA for Rocky Reach	67.2	67.2	65.0	64.7	67.7	64.7	67.2	65.4	64.6	64.9	64.9	67.1	64.9	67.1
3	DOPD to BPA CEAEA for Wells	43.0	43.0	41.6	41.4	43.3	41.4	43.0	41.8	41.4	41.5	41.5	42.9	41.5	42.9
4	GCPD to BPA CEAEA for Priest Rapids	52.5	52.5	50.8	50.6	52.9	50.6	52.5	51.1	50.5	50.7	50.7	52.4	50.7	52.4
5	GCPD to BPA CEAEA for Wanpum	50.7	50.7	49.1	48.9	51.1	48.9	50.7	49.4	48.8	49.0	49.0	50.6	49.0	50.6
6	**Total Imports From PNW**	**246**	**246**	**238**	**237**	**248**	**237**	**246**	**239**	**236**	**237**	**237**	**245**	**237**	**245**

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

Operating Year: 2017

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	31.1	31.1	31.3	32.3	31.3	31.1	32.3	31.6	31.1	32.5	32.5	31.1	31.2	32.3
2	CHPD to BPA CEAEA for Rocky Reach	64.6	64.6	64.9	67.1	65.0	64.6	67.1	65.6	64.5	67.4	67.4	64.5	64.8	67.0
3	DOPD to BPA CEAEA for Wells	41.3	41.3	41.5	42.9	41.6	41.3	42.9	42.0	41.3	43.1	43.1	41.3	41.5	42.9
4	GCPD to BPA CEAEA for Priest Rapids	50.4	50.4	50.7	52.4	50.8	50.4	52.4	51.3	50.4	52.7	52.7	50.4	50.6	52.3
5	GCPD to BPA CEAEA for Wanpum	48.8	48.8	49.0	50.6	49.1	48.8	50.6	49.5	48.7	50.9	50.9	48.7	49.0	50.6
6	**Total Imports From PNW**	**236**	**236**	**237**	**245**	**238**	**236**	**245**	**240**	**236**	**247**	**247**	**236**	**237**	**245**

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

Operating Year: 2018

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	31.1	31.1	31.2	32.3	31.3	32.3	31.1	31.6	31.0	32.2	32.2	30.8	31.0	32.0
2	CHPD to BPA CEAEA for Rocky Reach	64.5	64.5	64.8	67.0	64.9	67.0	64.5	65.6	64.4	66.9	66.9	64.0	64.3	66.5
3	DOPD to BPA CEAEA for Wells	41.3	41.3	41.5	42.9	41.5	42.9	41.3	41.9	41.2	42.8	42.8	41.0	41.2	42.5
4	GCPD to BPA CEAEA for Priest Rapids	50.4	50.4	50.6	52.3	50.7	52.3	50.4	51.2	50.3	52.3	52.3	50.0	50.2	51.9
5	GCPD to BPA CEAEA for Wanpum	48.7	48.7	49.0	50.6	49.0	50.6	48.7	49.5	48.6	50.5	50.5	48.3	48.6	50.2
6	**Total Imports From PNW**	**236**	**236**	**237**	**245**	**238**	**245**	**236**	**240**	**236**	**245**	**245**	**234**	**235**	**243**

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

Operating Year: 2019

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	30.8	30.8	32.2	30.8	31.0	32.0	30.8	31.3	32.0	30.7	30.7	30.5	31.9	30.5
2	CHPD to BPA CEAEA for Rocky Reach	64.0	64.0	66.9	64.0	64.4	66.5	64.0	65.1	66.4	63.6	63.6	63.3	66.2	63.3
3	DOPD to BPA CEAEA for Wells	41.0	41.0	42.8	41.0	41.2	42.5	41.0	41.6	42.5	40.7	40.7	40.5	42.3	40.5
4	GCPD to BPA CEAEA for Priest Rapids	50.0	50.0	52.3	50.0	50.3	51.9	50.0	50.8	51.9	49.7	49.7	49.5	51.7	49.5
5	GCPD to BPA CEAEA for Wanpum	48.3	48.3	50.5	48.3	48.6	50.2	48.3	49.1	50.1	48.1	48.1	47.8	50.0	47.8
6	**Total Imports From PNW**	**234**	**234**	**245**	**234**	**236**	**243**	**234**	**238**	**243**	**233**	**233**	**232**	**242**	**232**

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

Operating Year: 2020

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	30.5	30.5	31.9	30.5	30.7	31.7	30.5	30.8	31.6	30.3	30.3	31.3	30.3	30.2
2	CHPD to BPA CEAEA for Rocky Reach	63.3	63.3	66.2	63.3	63.7	65.8	63.3	64.0	65.7	62.9	62.9	65.0	62.9	62.6
3	DOPD to BPA CEAEA for Wells	40.5	40.5	42.3	40.5	40.8	42.1	40.5	40.9	42.0	40.3	40.3	41.6	40.3	40.1
4	GCPD to BPA CEAEA for Priest Rapids	49.5	49.5	51.7	49.5	49.8	51.4	49.5	50.0	51.3	49.1	49.1	50.8	49.1	48.9
5	GCPD to BPA CEAEA for Wanpum	47.8	47.8	50.0	47.8	48.1	49.7	47.8	48.3	49.6	47.5	47.5	49.1	47.5	47.3
6	**Total Imports From PNW**	**232**	**232**	**242**	**232**	**233**	**241**	**232**	**234**	**240**	**230**	**230**	**238**	**230**	**229**

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

Operating Year: 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	31.3	31.3	30.3	30.2	31.6	30.2	31.3	30.6	30.1	30.0	30.0	31.0	30.0	29.8
2	CHPD to BPA CEAEA for Rocky Reach	65.0	65.0	62.9	62.6	65.5	62.6	65.0	63.6	62.5	62.2	62.2	64.3	62.2	61.9
3	DOPD to BPA CEAEA for Wells	41.6	41.6	40.3	40.1	41.9	40.1	41.6	40.7	40.0	39.8	39.8	41.1	39.8	39.6
4	GCPD to BPA CEAEA for Priest Rapids	50.8	50.8	49.1	48.9	51.2	48.9	50.8	49.7	48.8	48.6	48.6	50.2	48.6	48.4
5	GCPD to BPA CEAEA for Wanpum	49.1	49.1	47.5	47.3	49.5	47.3	49.1	48.0	47.2	47.0	47.0	48.5	47.0	46.7
6	**Total Imports From PNW**	**238**	**238**	**230**	**229**	**240**	**229**	**238**	**233**	**229**	**228**	**228**	**235**	**228**	**226**

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

Operating Year: 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	31.0	31.0	30.0	31.0	30.0	29.8	31.0	30.3	29.8	29.7	29.7	30.6	29.7	30.6
2	CHPD to BPA CEAEA for Rocky Reach	64.3	64.3	62.2	64.3	62.3	61.9	64.3	62.9	61.8	61.6	61.6	63.6	61.6	63.6
3	DOPD to BPA CEAEA for Wells	41.1	41.1	39.8	41.1	39.9	39.6	41.1	40.3	39.6	39.4	39.4	40.7	39.4	40.7
4	GCPD to BPA CEAEA for Priest Rapids	50.2	50.2	48.6	50.2	48.7	48.4	50.2	49.1	48.3	48.1	48.1	49.7	48.1	49.7
5	GCPD to BPA CEAEA for Wanpum	48.5	48.5	47.0	48.5	47.0	46.7	48.5	47.5	46.7	46.5	46.5	48.0	46.5	48.0
6	**Total Imports From PNW**	**235**	**235**	**228**	**235**	**228**	**226**	**235**	**230**	**226**	**225**	**225**	**233**	**225**	**233**

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

Operating Year: 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	29.5	29.5	29.7	30.6	29.7	29.5	30.6	30.0	29.5	30.5	30.5	29.2	29.4	30.3
2	CHPD to BPA CEAEA for Rocky Reach	61.3	61.3	61.6	63.6	61.7	61.3	63.6	62.3	61.2	63.4	63.4	60.7	61.0	63.0
3	DOPD to BPA CEAEA for Wells	39.2	39.2	39.4	40.7	39.4	39.2	40.7	39.8	39.1	40.6	40.6	38.8	39.0	40.3
4	GCPD to BPA CEAEA for Priest Rapids	47.9	47.9	48.1	49.7	48.2	47.9	49.7	48.6	47.8	49.5	49.5	47.4	47.6	49.2
5	GCPD to BPA CEAEA for Wanpum	46.3	46.3	46.5	48.0	46.5	46.3	48.0	47.0	46.2	47.9	47.9	45.8	46.0	47.5
6	**Total Imports From PNW**	**224**	**224**	**225**	**233**	**226**	**224**	**233**	**228**	**224**	**232**	**232**	**222**	**223**	**230**

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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

Loads and Resources - Federal System

Operating Year: 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1086	1086	1003	914	790	905	831	820	929	978	978	1048	1092	1109
2	Federal Agencies	132	132	127	147	173	200	202	191	181	166	166	147	142	142
3	USBR Obligation	639	639	559	451	302	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9290	8792	8424	7809	9706	10553	10198	9577	9111	8198	8211	8882	8392	8857
6	Load Following 2012 PSC	4065	4065	3827	4154	4708	5370	5340	5099	4600	4367	4367	3982	3908	4137
7	Block 2012 PSC	0	0	0	9.84	44.5	39.1	55.0	53.9	46.1	2.99	2.99	0	0	11.0
8	Slice Block 2012 PSC	1634	1634	1715	1624	1992	2216	2243	2076	1937	1636	1636	1424	1325	1561
9	Slice Right to Power 2012 PSC	2341	1871	1932	1935	2479	2394	1949	1886	2270	1880	1876	3179	2679	2541
10	Exports	1796	1796	1673	1383	1338	1579	1581	1340	1339	1338	1338	1378	1380	1431
11	Intra-Regional Transfers (Out)	434	434	284	9.00	287	283	357	358	220	218	218	84.0	84.0	9.00
12	Federal Diversity	-980	-1009	-1007	-1305	-1143	-1328	-1326	-1235	-1300	-1244	-1227	-1163	-984	-833
13	**Total Firm Obligations**	**10376**	**9878**	**9426**	**8723**	**10496**	**11458**	**11029**	**10397**	**10041**	**9176**	**9189**	**9930**	**9484**	**9966**
	Net Resources														
1	**Net Hydro**	11429	9575	9242	9086	11596	11756	9906	9385	10605	9377	9357	14484	12614	12100
2	Regulated Hydro - Net	10960	9111	8703	8670	11201	11481	9661	9166	10242	8771	8739	13725	11815	11583
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	1154	1148	1151
5	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
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	456	445	1017	965	1029	913	893	896	1150	875	875	339	589	368
12	Imports	56.0	56.0	312	312	112	81.8	81.8	81.8	322	65.5	65.5	11.0	1.00	56.0
13	Intra-Regional Transfers (In)	108	108	412	371	621	529	529	529	529	529	529	17.0	279	17.0
14	Non-Federal CER	236	236	247	236	237	245	236	240	245	236	236	234	245	234
15	Slice Transmission Loss Return	56.0	44.7	46.2	46.2	59.2	57.2	46.5	45.0	54.2	44.9	44.7	76.1	64.0	60.7
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1984	-1869	-1857	-1875	-2074	-2109	-1996	-1948	-1995	-1900	-1899	-2114	-2042	-2033
18	Contingency Reserves (Spinning)	-351	-324	-314	-326	-384	-401	-375	-359	-358	-335	-335	-367	-358	-366
19	Contingency Reserves (Non-Spinning)	-351	-324	-314	-326	-384	-401	-375	-359	-358	-335	-335	-367	-358	-366
20	Load Following Reserves	-486	-486	-486	-491	-491	-491	-488	-488	-488	-488	-488	-488	-488	-488
21	Generation Imbalance Reserves	-411	-411	-411	-409	-409	-409	-412	-412	-412	-412	-412	-412	-412	-412
22	Transmission Losses	-383	-322	-331	-323	-406	-406	-345	-329	-378	-330	-329	-480	-427	-402
23	**Total Net Resources**	**11047**	**9296**	**9549**	**9328**	**11705**	**11718**	**9962**	**9491**	**10917**	**9508**	**9490**	**13862**	**12309**	**11586**
24	**Total Surplus/Deficit**	**671**	**-582**	**123**	**605**	**1209**	**260**	**-1067**	**-907**	**877**	**332**	**302**	**3933**	**2825**	**1621**

Loads and Resources - Federal System

Operating Year: 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1089	1089	1005	916	792	908	834	826	931	980	980	1050	1094	1111
2	Federal Agencies	134	134	129	149	175	203	204	197	184	168	168	149	144	144
3	USBR Obligation	639	639	559	451	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8750	8167	7797	7855	9884	10641	10459	9694	9141	8257	8232	8554	7983	8833
6	Load Following 2012 PSC	4078	4078	3827	4117	4678	5348	5337	5107	4571	4340	4340	3952	3876	4115
7	Block 2012 PSC	11.3	11.3	23.3	10.6	47.9	42.1	59.2	58.0	49.6	3.22	3.22	0	0	11.8
8	Slice Block 2012 PSC	1561	1561	1628	1697	2091	2326	2355	2177	2025	1706	1706	1506	1411	1640
9	Slice Right to Power 2012 PSC	2318	1786	1800	1871	2443	2404	2106	1901	2249	1907	1875	2788	2272	2417
10	Exports	1667	1667	1551	1415	1370	1611	1613	1372	1371	1370	1370	1410	1412	1448
11	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
12	Federal Diversity	-894	-946	-1041	-1265	-1035	-1375	-1294	-1204	-1271	-1213	-1206	-1110	-997	-808
13	**Total Firm Obligations**	**9839**	**9256**	**8802**	**8771**	**10676**	**11549**	**11292**	**10520**	**10072**	**9237**	**9212**	**9604**	**9077**	**9944**
	Net Resources														
1	**Net Hydro**	11446	9328	8911	8977	11617	11842	10575	9488	10564	9527	9398	14078	12144	11660
2	Regulated Hydro - Net	10977	8864	8372	8561	11222	11566	10330	9269	10201	8921	8780	13319	11345	11143
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	23.6	18.3	1151
5	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
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	372	359	870	926	726	709	702	700	954	684	683	397	628	408
12	Imports	56.0	56.0	312	312	86.8	81.8	81.8	81.8	322	65.5	65.5	11.0	1.00	41.0
13	Intra-Regional Transfers (In)	17.0	17.0	279	335	335	335	335	335	335	335	335	73.0	335	73.0
14	Non-Federal CER	243	243	236	234	245	234	234	238	243	238	238	246	238	237
15	Slice Transmission Loss Return	55.4	42.6	42.9	44.6	58.4	57.4	50.3	45.3	53.7	45.5	44.7	66.7	54.3	57.8
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1986	-1855	-1836	-1870	-2068	-2110	-2034	-1952	-1988	-1905	-1897	-1992	-1916	-2010
18	Contingency Reserves (Spinning)	-353	-322	-310	-326	-386	-404	-387	-363	-359	-339	-337	-329	-320	-361
19	Contingency Reserves (Non-Spinning)	-353	-322	-310	-326	-386	-404	-387	-363	-359	-339	-337	-329	-320	-361
20	Load Following Reserves	-488	-488	-488	-489	-489	-489	-489	-489	-489	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-412	-412	-412	-411	-411	-411	-411	-411	-411	-405	-405	-405	-405	-405
22	Transmission Losses	-380	-311	-315	-318	-396	-402	-361	-326	-370	-328	-324	-433	-377	-389
23	**Total Net Resources**	**10977**	**8978**	**9093**	**9186**	**11429**	**11598**	**10401**	**9394**	**10687**	**9462**	**9341**	**12506**	**10875**	**11209**
24	**Total Surplus/Deficit**	**1138**	**-279**	**291**	**415**	**753**	**48.6**	**-891**	**-1125**	**615**	**225**	**129**	**2902**	**1797**	**1265**

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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**	1090	1090	1007	915	802	918	845	827	938	985	985	1052	1097	1113
2	Federal Agencies	136	136	131	151	184	213	216	198	190	173	173	152	146	147
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8801	8131	7757	7845	9809	10628	10482	9499	9029	8341	8280	8771	8236	8790
6	Load Following 2012 PSC	4045	4045	3792	4302	4908	5561	5505	5201	4719	4538	4538	4101	4081	4291
7	Block 2012 PSC	12.2	12.2	25.1	11.0	49.6	43.6	61.3	58.0	51.4	3.33	3.33	0	0	12.3
8	Slice Block 2012 PSC	1634	1634	1707	1649	2031	2260	2288	2041	1966	1658	1658	1467	1375	1595
9	Slice Right to Power 2012 PSC	2322	1748	1747	1873	2446	2408	2111	1906	2253	1973	1941	3093	2583	2426
10	Exports	1616	1616	1499	1379	1334	1575	1576	1335	1335	1334	1334	1317	1319	1350
11	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
12	Federal Diversity	-836	-932	-1023	-1378	-1243	-1503	-1342	-1326	-1440	-1309	-1337	-1216	-1131	-892
13	**Total Firm Obligations**	**9891**	**9222**	**8763**	**8760**	**10611**	**11546**	**11327**	**10326**	**9967**	**9326**	**9266**	**9823**	**9333**	**9904**
	Net Resources														
1	**Net Hydro**	11443	9161	8697	8982	11623	11847	10580	9490	10568	9512	9383	14169	12216	11664
2	Regulated Hydro - Net	10974	8698	8158	8566	11228	11572	10334	9271	10204	8906	8765	13409	11417	11147
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1135	1135	1135	1134	1133
5	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
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	415	401	896	884	694	682	684	672	918	912	911	380	622	364
12	Imports	41.0	41.0	281	281	65.6	65.6	65.6	65.6	306	306	306	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	73.0	73.0	335	322	322	322	322	322	322	322	322	60.0	322	60.0
14	Non-Federal CER	246	246	238	237	248	237	246	239	236	237	237	245	237	245
15	Slice Transmission Loss Return	55.5	41.7	41.6	44.5	58.3	57.4	50.3	45.3	53.7	47.0	46.2	73.9	61.6	57.8
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1990	-1849	-1826	-1873	-2073	-2114	-2038	-1953	-1991	-1897	-1889	-2120	-2025	-2012
18	Contingency Reserves (Spinning)	-354	-321	-308	-328	-389	-407	-389	-364	-361	-331	-329	-375	-356	-363
19	Contingency Reserves (Non-Spinning)	-354	-321	-308	-328	-389	-407	-389	-364	-361	-331	-329	-375	-356	-363
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-382	-307	-309	-317	-395	-401	-360	-325	-369	-335	-331	-470	-414	-386
23	**Total Net Resources**	**11014**	**8860**	**8914**	**9145**	**11398**	**11572**	**10384**	**9367**	**10652**	**9661**	**9540**	**13564**	**11947**	**11149**
24	**Total Surplus/Deficit**	**1123**	**-362**	**150**	**385**	**787**	**26.4**	**-943**	**-959**	**686**	**335**	**274**	**3741**	**2614**	**1245**

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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**	1093	1093	1009	918	806	923	846	831	939	986	986	1053	1097	1114
2	Federal Agencies	138	138	134	154	189	218	217	203	191	174	174	152	147	147
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8688	7954	7726	7910	9817	10680	10565	9712	9062	8423	8335	8560	8009	8866
6	Load Following 2012 PSC	4192	4192	3997	4356	4957	5618	5563	5332	4756	4577	4577	4139	4123	4336
7	Block 2012 PSC	12.6	12.6	26.0	11.3	51.0	44.8	63.0	61.7	52.8	3.42	3.42	0	0	12.6
8	Slice Block 2012 PSC	1589	1589	1657	1690	2081	2316	2345	2166	2013	1699	1699	1505	1410	1635
9	Slice Right to Power 2012 PSC	2323	1751	1750	1873	2426	2388	2089	1886	2233	1958	1926	2798	2289	2424
10	Exports	1554	1554	1437	1317	1319	1560	1561	1320	1320	1318	1318	1317	1319	1350
11	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
12	Federal Diversity	-991	-1153	-1150	-1346	-1303	-1530	-1342	-1335	-1457	-1277	-1333	-1207	-1141	-901
13	**Total Firm Obligations**	**9781**	**9047**	**8736**	**8827**	**10623**	**11604**	**11411**	**10544**	**10001**	**9409**	**9321**	**9613**	**9106**	**9980**
	Net Resources														
1	**Net Hydro**	11446	9164	8701	8985	11625	11850	10582	9495	10570	9514	9385	14096	12149	11666
2	Regulated Hydro - Net	10978	8701	8162	8569	11230	11574	10337	9276	10206	8908	8767	13337	11350	11150
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	353	339	842	860	626	623	625	615	859	863	862	371	622	371
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	60.0	60.0	322	329	329	329	329	329	329	329	329	67.0	329	67.0
14	Non-Federal CER	236	236	237	245	238	236	245	240	236	247	247	236	237	245
15	Slice Transmission Loss Return	55.4	41.6	41.6	44.5	57.8	56.9	49.7	44.8	53.2	46.6	45.8	66.8	54.5	57.8
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1991	-1850	-1828	-1874	-2072	-2114	-2038	-1955	-1990	-1898	-1890	-2016	-1922	-2015
18	Contingency Reserves (Spinning)	-356	-322	-311	-329	-390	-408	-390	-367	-362	-332	-330	-342	-323	-364
19	Contingency Reserves (Non-Spinning)	-356	-322	-311	-329	-390	-408	-390	-367	-362	-332	-330	-342	-323	-364
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-379	-305	-307	-316	-392	-398	-357	-322	-366	-333	-329	-432	-376	-387
23	**Total Net Resources**	**10941**	**8787**	**8848**	**9104**	**11313**	**11493**	**10304**	**9290**	**10574**	**9614**	**9492**	**12456**	**10853**	**11155**
24	**Total Surplus/Deficit**	**1161**	**-260**	**112**	**277**	**690**	**-110**	**-1107**	**-1254**	**573**	**204**	**171**	**2843**	**1747**	**1175**

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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**	1093	1093	1010	919	800	913	839	822	939	987	987	1054	1098	1115
2	Federal Agencies	139	139	135	154	182	208	210	194	192	175	175	153	148	148
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8787	8013	7816	7954	9875	10812	10558	9759	9142	8416	8298	8880	8331	8902
6	Load Following 2012 PSC	4233	4233	4034	4398	5005	5673	5625	5394	4799	4621	4621	4177	4162	4381
7	Block 2012 PSC	12.9	12.9	26.7	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
8	Slice Block 2012 PSC	1628	1628	1698	1674	2062	2295	2323	2146	1995	1683	1683	1490	1397	1619
9	Slice Right to Power 2012 PSC	2316	1744	1744	1878	2430	2392	2095	1891	2238	1902	1870	3093	2585	2428
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-984	-1187	-1150	-1351	-1298	-1456	-1411	-1355	-1425	-1272	-1358	-1223	-1158	-915
13	**Total Firm Obligations**	**9881**	**9106**	**8826**	**8872**	**10674**	**11725**	**11397**	**10581**	**10082**	**9404**	**9286**	**9934**	**9430**	**10017**
	Net Resources														
1	**Net Hydro**	11449	9167	8703	8987	11627	11852	10585	9498	10572	9537	9407	14150	12221	11669
2	Regulated Hydro - Net	10980	8703	8165	8571	11233	11577	10340	9278	10208	8931	8789	13391	11422	11153
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	359	345	718	751	501	508	492	491	735	496	495	383	503	376
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	67.0	67.0	198	221	205	205	205	205	205	205	205	74.0	205	74.0
14	Non-Federal CER	236	236	237	245	238	245	236	240	236	245	245	234	235	243
15	Slice Transmission Loss Return	55.2	41.4	41.4	44.4	57.7	56.8	49.6	44.7	53.0	45.0	44.2	73.6	61.4	57.6
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1994	-1852	-1826	-1873	-2070	-2113	-2036	-1953	-1988	-1908	-1900	-2104	-2026	-2018
18	Contingency Reserves (Spinning)	-357	-324	-312	-331	-391	-409	-392	-368	-363	-344	-342	-367	-358	-365
19	Contingency Reserves (Non-Spinning)	-357	-324	-312	-331	-391	-409	-392	-368	-363	-344	-342	-367	-358	-365
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-379	-305	-303	-312	-388	-395	-353	-318	-362	-321	-317	-470	-410	-387
23	**Total Net Resources**	**10948**	**8793**	**8728**	**8999**	**11193**	**11382**	**10175**	**9169**	**10453**	**9259**	**9137**	**13564**	**11832**	**11160**
24	**Total Surplus/Deficit**	**1067**	**-313**	**-98.2**	**127**	**518**	**-343**	**-1222**	**-1412**	**372**	**-145**	**-149**	**3629**	**2402**	**1143**

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	Firm Obligations														
1	**Non-Utility Obligation**	1094	1094	1011	920	804	920	862	846	953	999	999	1066	1111	1126
2	Federal Agencies	140	140	136	155	186	215	233	218	205	187	187	166	161	159
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8814	8027	7899	7972	9755	10658	10421	9646	9152	8363	8171	8621	8142	8959
6	Load Following 2012 PSC	4272	4272	4071	4432	5048	5725	5686	5465	4836	4660	4660	4210	4195	4421
7	Block 2012 PSC	13.3	13.3	27.4	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
8	Slice Block 2012 PSC	1613	1613	1682	1692	2084	2320	2349	2170	2017	1702	1702	1508	1413	1637
9	Slice Right to Power 2012 PSC	2325	1753	1753	1876	2501	2462	2164	1960	2272	1936	1904	2798	2291	2426
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-989	-1205	-1099	-1384	-1283	-1488	-1436	-1366	-1374	-1282	-1443	-1238	-1103	-914
13	**Total Firm Obligations**	**9908**	**9121**	**8910**	**8891**	**10559**	**11579**	**11283**	**10493**	**10105**	**9362**	**9170**	**9687**	**9252**	**10084**
	Net Resources														
1	**Net Hydro**	11451	9169	8706	8989	11630	11855	10589	9502	10574	9539	9411	14080	12152	11672
2	Regulated Hydro - Net	10982	8706	8167	8573	11235	11580	10343	9283	10211	8934	8793	13321	11353	11155
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	364	351	732	729	505	512	495	494	747	489	488	377	506	368
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	74.0	74.0	205	209	209	209	209	209	209	209	209	78.0	209	78.0
14	Non-Federal CER	234	234	245	234	236	243	234	238	243	233	233	232	242	232
15	Slice Transmission Loss Return	55.1	41.4	41.4	44.4	59.4	58.4	51.3	46.4	53.9	45.8	45.0	66.5	54.3	57.6
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1996	-1855	-1829	-1875	-2073	-2116	-2040	-1958	-1991	-1911	-1903	-2002	-1923	-2020
18	Contingency Reserves (Spinning)	-358	-325	-313	-332	-392	-411	-394	-370	-364	-345	-343	-335	-325	-367
19	Contingency Reserves (Non-Spinning)	-358	-325	-313	-332	-392	-411	-394	-370	-364	-345	-343	-335	-325	-367
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-380	-305	-303	-311	-388	-395	-353	-318	-363	-321	-316	-432	-372	-387
23	**Total Net Resources**	**10953**	**8798**	**8742**	**8977**	**11197**	**11386**	**10179**	**9173**	**10465**	**9252**	**9130**	**12460**	**10739**	**11153**
24	**Total Surplus/Deficit**	**1045**	**-323**	**-168**	**85.7**	**638**	**-193**	**-1105**	**-1320**	**360**	**-111**	**-39.5**	**2773**	**1487**	**1068**

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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**	1105	1105	1024	931	822	943	874	853	962	1006	1006	1070	1115	1132
2	Federal Agencies	150	150	148	167	204	238	245	224	215	194	194	170	165	165
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8872	8050	7942	7985	9801	10711	10458	9520	9161	8373	8174	8939	8411	8993
6	Load Following 2012 PSC	4304	4304	4102	4472	5099	5786	5753	5439	4879	4704	4704	4247	4233	4465
7	Block 2012 PSC	13.3	13.3	27.4	11.7	53.0	46.6	65.5	61.9	54.9	3.56	3.56	0	0	13.1
8	Slice Block 2012 PSC	1631	1631	1700	1676	2065	2298	2326	2075	1998	1685	1685	1492	1398	1621
9	Slice Right to Power 2012 PSC	2323	1752	1753	1878	2503	2464	2166	1962	2274	1937	1905	3088	2584	2427
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-980	-1230	-1104	-1397	-1270	-1476	-1447	-1372	-1391	-1301	-1468	-1232	-1150	-909
13	**Total Firm Obligations**	**9976**	**9155**	**8966**	**8917**	**10623**	**11654**	**11332**	**10373**	**10123**	**9380**	**9180**	**10009**	**9526**	**10125**
	Net Resources														
1	**Net Hydro**	11454	9172	8708	8992	11633	11859	10592	9502	10577	9539	9411	14142	12221	11674
2	Regulated Hydro - Net	10985	8708	8169	8576	11238	11583	10347	9283	10214	8933	8793	13383	11422	11158
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	366	352	602	517	294	300	284	281	535	277	276	312	293	288
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	78.0	78.0	78.0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	232	232	242	232	233	241	232	234	240	230	230	238	230	229
15	Slice Transmission Loss Return	55.1	41.4	41.4	44.4	59.4	58.5	51.3	46.4	53.9	45.8	45.0	73.5	61.4	57.6
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1999	-1857	-1827	-1870	-2069	-2112	-2037	-1951	-1987	-1906	-1898	-2107	-2024	-2020
18	Contingency Reserves (Spinning)	-360	-326	-314	-333	-394	-412	-395	-370	-365	-346	-344	-370	-361	-368
19	Contingency Reserves (Non-Spinning)	-360	-326	-314	-333	-394	-412	-395	-370	-365	-346	-344	-370	-361	-368
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-380	-305	-299	-304	-381	-388	-346	-311	-356	-313	-309	-467	-403	-384
23	**Total Net Resources**	**10954**	**8800**	**8616**	**8773**	**10992**	**11181**	**9974**	**8967**	**10260**	**9044**	**8924**	**13482**	**11623**	**11075**
24	**Total Surplus/Deficit**	**978**	**-355**	**-349**	**-144**	**369**	**-473**	**-1358**	**-1405**	**137**	**-336**	**-257**	**3473**	**2098**	**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**	1111	1111	1027	935	832	955	875	858	963	1007	1007	1071	1116	1132
2	Federal Agencies	157	157	152	171	215	250	245	229	215	195	195	170	165	165
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8947	8082	7872	8018	9879	10662	10596	9757	9129	8482	8232	8691	8129	9002
6	Load Following 2012 PSC	4341	4341	4138	4511	5149	5847	5812	5589	4915	4741	4741	4278	4265	4504
7	Block 2012 PSC	13.5	13.5	27.8	11.7	52.9	46.4	65.3	64.0	54.8	3.55	3.55	0	0	13.1
8	Slice Block 2012 PSC	1615	1615	1684	1671	2059	2292	2321	2143	1992	1680	1680	1489	1395	1617
9	Slice Right to Power 2012 PSC	2324	1753	1754	1877	2501	2462	2164	1961	2272	1999	1966	2796	2292	2426
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-926	-1220	-1196	-1396	-1236	-1579	-1361	-1353	-1451	-1286	-1504	-1216	-1169	-934
13	**Total Firm Obligations**	**10058**	**9193**	**8899**	**8953**	**10711**	**11617**	**11470**	**10615**	**10092**	**9489**	**9239**	**9762**	**9244**	**10134**
	Net Resources														
1	**Net Hydro**	11456	9174	8710	8994	11636	11862	10594	9507	10578	9543	9414	14077	12157	11675
2	Regulated Hydro - Net	10988	8711	8171	8578	11241	11587	10348	9287	10215	8937	8796	13318	11358	11159
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	294	280	513	514	300	288	290	280	524	516	515	303	283	285
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	238	238	230	229	240	229	238	233	229	228	228	235	228	226
15	Slice Transmission Loss Return	55.1	41.4	41.4	44.4	59.4	58.4	51.3	46.4	53.9	47.3	46.5	66.5	54.4	57.6
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-1999	-1858	-1826	-1873	-2072	-2115	-2038	-1955	-1987	-1915	-1907	-2004	-1919	-2021
18	Contingency Reserves (Spinning)	-361	-327	-315	-334	-396	-414	-396	-372	-366	-347	-345	-337	-327	-369
19	Contingency Reserves (Non-Spinning)	-361	-327	-315	-334	-396	-414	-396	-372	-366	-347	-345	-337	-327	-369
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-377	-303	-296	-304	-381	-387	-346	-311	-355	-322	-317	-429	-365	-384
23	**Total Net Resources**	**10885**	**8730**	**8530**	**8770**	**10998**	**11170**	**9980**	**8966**	**10249**	**9278**	**9157**	**12380**	**10525**	**11072**
24	**Total Surplus/Deficit**	**827**	**-463**	**-370**	**-183**	**288**	**-447**	**-1490**	**-1650**	**157**	**-211**	**-81.9**	**2619**	**1281**	**938**

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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**	1112	1112	1028	935	833	956	876	856	964	1008	1008	1072	1116	1133
2	Federal Agencies	157	157	152	171	215	251	246	227	216	196	196	171	166	166
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8954	8102	7890	8116	9901	10783	10637	9788	9158	8520	8243	9014	8447	9050
6	Load Following 2012 PSC	4372	4372	4169	4560	5208	5917	5849	5622	4947	4772	4772	4309	4296	4536
7	Block 2012 PSC	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
8	Slice Block 2012 PSC	1611	1611	1679	1679	2068	2303	2332	2152	2000	1687	1687	1497	1401	1624
9	Slice Right to Power 2012 PSC	2322	1751	1752	1874	2497	2457	2159	1956	2269	1997	1964	3091	2582	2423
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-945	-1226	-1202	-1352	-1277	-1533	-1362	-1360	-1459	-1285	-1529	-1227	-1178	-923
13	**Total Firm Obligations**	**10066**	**9214**	**8918**	**9051**	**10734**	**11739**	**11513**	**10643**	**10122**	**9527**	**9251**	**10086**	**9564**	**10183**
	Net Resources														
1	**Net Hydro**	11458	9176	8711	8982	11621	11843	10574	9488	10566	9515	9387	14182	12220	11665
2	Regulated Hydro - Net	10989	8712	8172	8579	11243	11588	10351	9289	10217	8919	8778	13429	11430	11161
3	Independent Hydro - Net	469	464	539	403	378	254	223	199	349	596	608	753	789	504
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	291	278	510	520	288	286	287	277	521	513	513	307	288	291
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	235	235	228	235	228	226	235	230	226	225	225	233	225	233
15	Slice Transmission Loss Return	55.1	41.3	41.4	44.3	59.3	58.3	51.2	46.3	53.8	47.2	46.5	73.6	61.3	57.5
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2000	-1859	-1827	-1874	-2073	-2116	-2040	-1957	-1989	-1897	-1889	-2133	-2027	-2023
18	Contingency Reserves (Spinning)	-362	-328	-316	-335	-396	-415	-397	-373	-367	-338	-336	-383	-362	-370
19	Contingency Reserves (Non-Spinning)	-362	-328	-316	-335	-396	-415	-397	-373	-367	-338	-336	-383	-362	-370
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-377	-303	-296	-304	-380	-386	-345	-310	-355	-321	-317	-468	-403	-384
23	**Total Net Resources**	**10882**	**8728**	**8527**	**8763**	**10971**	**11147**	**9956**	**8943**	**10233**	**9266**	**9145**	**13490**	**11614**	**11066**
24	**Total Surplus/Deficit**	**816**	**-486**	**-391**	**-288**	**237**	**-592**	**-1557**	**-1700**	**111**	**-261**	**-106**	**3405**	**2051**	**883**

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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**	1113	1113	1028	936	834	957	877	860	965	1009	1009	1072	1117	1133
2	Federal Agencies	158	158	153	172	216	252	247	231	217	197	197	172	167	167
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	8923	8032	7919	8155	9933	10818	10683	9808	9185	8595	8326	8705	8183	9083
6	Load Following 2012 PSC	4405	4405	4200	4596	5247	5960	5891	5673	4985	4810	4810	4345	4333	4575
7	Block 2012 PSC	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
8	Slice Block 2012 PSC	1618	1618	1686	1680	2070	2305	2334	2155	2002	1689	1689	1499	1403	1626
9	Slice Right to Power 2012 PSC	2320	1748	1749	1873	2496	2456	2158	1955	2268	1995	1963	2799	2290	2422
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-1013	-1333	-1207	-1350	-1286	-1543	-1360	-1391	-1471	-1248	-1485	-1281	-1188	-929
13	**Total Firm Obligations**	**10036**	**9145**	**8948**	**9091**	**10767**	**11775**	**11559**	**10668**	**10150**	**9604**	**9334**	**9778**	**9300**	**10216**
	Net Resources														
1	**Net Hydro**	11450	9168	8702	8984	11623	11845	10576	9491	10568	9517	9389	14116	12154	11667
2	Regulated Hydro - Net	10991	8714	8174	8581	11245	11591	10353	9292	10219	8921	8780	13363	11364	11163
3	Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	280	266	507	518	286	283	285	275	519	520	519	289	278	289
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	224	224	225	233	226	224	233	228	224	232	232	222	223	230
15	Slice Transmission Loss Return	55.0	41.3	41.3	44.3	59.3	58.3	51.1	46.2	53.8	47.2	46.4	66.5	54.3	57.5
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2002	-1860	-1828	-1875	-2075	-2119	-2042	-1959	-1991	-1899	-1891	-2029	-1923	-2025
18	Contingency Reserves (Spinning)	-363	-329	-316	-336	-397	-416	-399	-375	-368	-339	-337	-350	-329	-371
19	Contingency Reserves (Non-Spinning)	-363	-329	-316	-336	-397	-416	-399	-375	-368	-339	-337	-350	-329	-371
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-376	-302	-295	-304	-380	-386	-345	-310	-355	-321	-317	-429	-364	-383
23	**Total Net Resources**	**10862**	**8708**	**8514**	**8761**	**10969**	**11144**	**9954**	**8941**	**10230**	**9273**	**9151**	**12381**	**10513**	**11064**
24	**Total Surplus/Deficit**	**826**	**-438**	**-433**	**-330**	**202**	**-631**	**-1606**	**-1727**	**80.4**	**-331**	**-183**	**2603**	**1213**	**847**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	28300	28300	25460	26696	29752	32865	33108	31143	28911	27164	27164	25491	27953	29902
2	Federal Agency	143	143	139	158	181	208	210	199	189	178	178	159	154	154
3	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
4	Cooperative	2263	2263	2084	2441	2706	3081	3032	2896	2663	2593	2593	2491	2513	2681
5	Municipality	3349	3349	3191	3623	4123	4498	4446	4296	3968	3693	3693	3255	3207	3384
6	Public Utility District	5025	5025	4831	5654	6432	7146	7204	6733	6270	5897	5897	5304	5115	5352
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	465	465	465	465	465	465	465	465	465	465	465	465	465	465
10	**Exports**	2613	2613	2490	1859	1719	1957	1959	1718	1720	1719	1727	1670	2191	2242
11	Canada	1552	1552	1431	1311	1311	1551	1551	1311	1311	1311	1311	1311	1311	1340
12	East Continental Divide	19.8	19.8	17.4	17.1	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	1042	1042	1042	531	395	392	392	392	395	395	403	348	867	887
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-980	-1009	-1007	-1305	-1143	-1328	-1326	-1235	-1300	-1244	-1227	-1163	-984	-833
17		-980	-1009	-1007	-1305	-1143	-1328	-1326	-1235	-1300	-1244	-1227	-1163	-984	-833
18	**Total Firm Loads**	**29933**	**29904**	**26943**	**27250**	**30328**	**33495**	**33741**	**31625**	**29331**	**27638**	**27663**	**25997**	**29159**	**31311**
	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**	21669	20101	19500	19244	21953	22174	20584	19568	20769	19457	19403	25157	23943	23101
2	Regulated Hydro - Net	20161	18594	17921	17733	20489	20782	19249	18323	19265	17669	17599	23167	21906	21474
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16478	16477	16482	16524	16631	16699	16706	16666	15984	16168	15698	14691	15956	16552
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	5886	5886	5937	5977	6122	6184	6193	6149	6103	6065	6065	5688	5444	5891
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6478	6478	5592	6842	6996
8	Renewable Resources	160	161	161	161	160	161	160	161	159	160	159	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1077	1077	1210	1159	1321	1422	1408	1426	1285	889	889	864	1091	1236
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	175	175	155	154	159	170	178	165	159	147	147	148	166	184
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	510	502	502	502	127	76.5	76.5	10.00	0	55.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-3934	-3837	-3720	-3734	-4012	-4121	-4032	-3914	-3874	-3741	-3709	-3914	-4024	-4069
18	Contingency Reserves (Non-Spinning)	-907	-884	-831	-842	-934	-983	-965	-922	-895	-853	-845	-869	-921	-946
19	Contingency Reserves (Spinning)	-907	-884	-831	-842	-934	-983	-965	-922	-895	-853	-845	-869	-921	-946
20	Generation Imbalance Reserves	-411	-411	-411	-409	-409	-409	-412	-412	-412	-412	-412	-412	-412	-412
21	Load Following Reserves	-486	-486	-486	-491	-491	-491	-488	-488	-488	-488	-488	-488	-488	-488
22	Transmission Losses	-1223	-1172	-1160	-1151	-1244	-1254	-1202	-1170	-1184	-1136	-1119	-1275	-1281	-1276
23	**Total Resources**	**35290**	**33818**	**33472**	**33193**	**35893**	**36175**	**34665**	**33745**	**34164**	**32773**	**32281**	**36798**	**36967**	**36820**
24	**Total Surplus/Deficit**	**5357**	**3913**	**6515**	**5943**	**5565**	**2680**	**920**	**2097**	**4779**	**5102**	**4584**	**10801**	**7807**	**5509**

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	29508	29508	26439	27272	30427	33538	33811	31771	29416	27643	27643	25908	28549	30600
2	Federal Agency	145	145	141	161	183	211	212	205	192	180	180	161	156	156
3	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2629	2629	2409	2514	2779	3156	3085	2961	2714	2649	2649	2544	2567	2727
5	Municipality	3379	3379	3179	3640	4143	4517	4444	4293	3966	3689	3689	3251	3202	3381
6	Public Utility District	5300	5300	5057	5676	6536	7202	7317	6805	6316	5949	5949	5300	5206	5501
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	465	465	465	510	510	510	510	510	510	510	510	510	510	510
10	**Exports**	2478	2478	2362	1885	1751	1989	1836	1595	1598	1596	1604	1547	2068	2104
11	Canada	1577	1577	1463	1343	1343	1583	1583	1343	1343	1343	1343	1343	1343	1372
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	887	887	887	531	395	392	238	238	241	241	249	193	712	717
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-894	-946	-1041	-1265	-1035	-1375	-1294	-1204	-1271	-1213	-1206	-1110	-997	-808
17		-894	-946	-1041	-1265	-1035	-1375	-1294	-1204	-1271	-1213	-1206	-1110	-997	-808
18	**Total Firm Loads**	**31092**	**31041**	**27760**	**27893**	**31143**	**34152**	**34353**	**32162**	**29742**	**28026**	**28041**	**26345**	**29620**	**31897**
	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**	21687	19855	19169	18759	21945	22200	21183	19692	20708	19459	19303	24704	23465	22656
2	Regulated Hydro - Net	20178	18347	17591	17248	20481	20809	19848	18448	19204	17671	17499	22714	21427	21029
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16479	16478	16482	16525	16632	16702	16926	16886	16204	16907	16436	13935	15047	16773
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	5886	5886	5937	5977	6122	6187	6413	6369	6323	6285	6285	5908	5664	6111
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5712	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1098	1098	1226	1170	1304	1432	1416	1434	1294	897	897	872	1106	1237
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	177	177	157	155	160	171	180	167	161	148	148	150	169	186
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	485	502	502	502	127	76.5	76.5	10.00	0	40.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-3957	-3845	-3717	-3722	-4029	-4141	-4096	-3947	-3893	-3780	-3741	-3811	-3916	-4067
18	Contingency Reserves (Non-Spinning)	-917	-890	-834	-844	-943	-993	-984	-933	-902	-860	-850	-837	-890	-949
19	Contingency Reserves (Spinning)	-917	-890	-834	-844	-943	-993	-984	-933	-902	-860	-850	-837	-890	-949
20	Generation Imbalance Reserves	-412	-412	-412	-411	-411	-411	-411	-411	-411	-405	-405	-405	-405	-405
21	Load Following Reserves	-488	-488	-488	-489	-489	-489	-489	-489	-489	-495	-495	-495	-495	-495
22	Transmission Losses	-1224	-1164	-1149	-1135	-1243	-1254	-1228	-1181	-1189	-1161	-1140	-1237	-1237	-1269
23	**Total Resources**	**35306**	**33586**	**33161**	**32732**	**35853**	**36193**	**35430**	**34065**	**34313**	**33483**	**32895**	**35701**	**35701**	**36599**
24	**Total Surplus/Deficit**	**4213**	**2544**	**5388**	**4839**	**4710**	**2041**	**1073**	**1880**	**4517**	**5423**	**4820**	**9356**	**6081**	**4702**

Loads and Resources - Pacific Northwest Region

Operating Year: 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	30148	30148	26973	27828	30999	34116	34341	32227	29907	28160	28160	26370	29171	31216
2	Federal Agency	147	147	143	163	192	221	224	206	198	185	185	164	158	159
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2675	2675	2454	2592	2873	3246	3147	2992	2770	2739	2739	2610	2643	2784
5	Municipality	3375	3375	3176	3642	4156	4539	4471	4305	3989	3719	3719	3263	3248	3408
6	Public Utility District	5434	5434	5163	5808	6629	7268	7343	6839	6366	6014	6014	5360	5298	5601
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	510	510	510	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2272	2272	2156	1694	1560	1799	1800	1559	1561	1560	1568	1403	1924	1955
11	Canada	1541	1541	1427	1307	1307	1547	1547	1307	1307	1307	1307	1307	1307	1336
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	717	717	717	376	241	238	238	238	241	241	249	85.1	604	604
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-836	-932	-1023	-1378	-1243	-1503	-1342	-1326	-1440	-1309	-1337	-1216	-1131	-892
17		-836	-932	-1023	-1378	-1243	-1503	-1342	-1326	-1440	-1309	-1337	-1216	-1131	-892
18	**Total Firm Loads**	**31584**	**31489**	**28106**	**28144**	**31316**	**34412**	**34799**	**32460**	**30028**	**28411**	**28391**	**26556**	**29964**	**32278**
	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**	21699	19702	19035	18764	21951	22205	21188	19694	20712	19444	19288	24795	23537	22660
2	Regulated Hydro - Net	20191	18194	17456	17253	20487	20814	19852	18450	19208	17655	17484	22805	21499	21033
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16699	16698	16702	16745	16852	16922	16926	16886	16204	15021	15022	15731	16326	16773
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	2578	2570	2700	2944	2948
6	Combustion Turbine Resources	6106	6106	6157	6197	6342	6407	6413	6369	6323	6281	6281	5904	5660	6111
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	5586	5586	6416	6996	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1097	1097	1204	1144	1213	1346	1331	1350	1284	1143	1143	868	1117	1210
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	179	179	159	156	162	173	181	168	162	149	149	151	171	189
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	389	411	411	411	111	76.6	76.6	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**	-3982	-3859	-3730	-3743	-4050	-4163	-4110	-3957	-3907	-3706	-3697	-3971	-4045	-4083
18	Contingency Reserves (Non-Spinning)	-925	-896	-839	-851	-952	-1002	-993	-940	-909	-850	-848	-887	-932	-958
19	Contingency Reserves (Spinning)	-925	-896	-839	-851	-952	-1002	-993	-940	-909	-850	-848	-887	-932	-958
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1231	-1166	-1151	-1141	-1247	-1259	-1225	-1178	-1189	-1106	-1101	-1297	-1280	-1267
23	**Total Resources**	**35512**	**33637**	**33211**	**32911**	**35967**	**36311**	**35335**	**33973**	**34293**	**31902**	**31756**	**37423**	**36935**	**36559**
24	**Total Surplus/Deficit**	**3928**	**2149**	**5092**	**4766**	**4650**	**1899**	**532**	**1490**	**4211**	**3456**	**3331**	**10867**	**6972**	**4281**

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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**	30740	30740	27532	28262	31469	34538	34836	32719	30244	28525	28525	26673	29649	31749
2	Federal Agency	150	150	146	165	197	226	225	211	199	186	186	164	159	159
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2720	2720	2523	2636	2918	3295	3192	3069	2813	2786	2786	2658	2694	2836
5	Municipality	3399	3399	3221	3690	4225	4520	4526	4345	3958	3725	3725	3209	3293	3468
6	Public Utility District	5530	5530	5267	5875	6684	7327	7402	6917	6419	6075	6075	5418	5348	5651
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2159	2159	2042	1581	1545	1783	1785	1544	1546	1544	1553	1403	1924	1955
11	Canada	1541	1541	1427	1307	1307	1547	1547	1307	1307	1307	1307	1307	1307	1336
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	604	604	604	263	225	223	223	223	225	225	233	85.1	604	604
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-991	-1153	-1150	-1346	-1303	-1530	-1342	-1335	-1457	-1277	-1333	-1207	-1141	-901
17		-991	-1153	-1150	-1346	-1303	-1530	-1342	-1335	-1457	-1277	-1333	-1207	-1141	-901
18	**Total Firm Loads**	**31908**	**31746**	**28424**	**28497**	**31711**	**34792**	**35279**	**32928**	**30333**	**28793**	**28745**	**26869**	**30432**	**32804**
	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	19705	19039	18767	21954	22208	21191	19699	20714	19446	19290	24723	23470	22662
2	Regulated Hydro - Net	20194	18198	17461	17256	20489	20817	19855	18455	19210	17657	17485	22732	21432	21035
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16699	16698	17138	17183	17290	17358	17366	17326	16644	16159	15688	14892	15487	17213
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6106	6106	6593	6635	6780	6843	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	5808	5808	5132	5712	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1067	1067	1171	1110	1153	1287	1271	1290	1225	1083	1083	873	1127	1222
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	182	182	161	158	163	175	183	170	164	151	151	153	173	191
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**	-3997	-3874	-3758	-3767	-4076	-4187	-4137	-3985	-3929	-3766	-3727	-3884	-3963	-4114
18	Contingency Reserves (Non-Spinning)	-934	-905	-847	-857	-958	-1008	-1000	-948	-914	-863	-853	-858	-905	-966
19	Contingency Reserves (Spinning)	-934	-905	-847	-857	-958	-1008	-1000	-948	-914	-863	-853	-858	-905	-966
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1229	-1164	-1164	-1154	-1259	-1271	-1237	-1190	-1201	-1141	-1121	-1269	-1252	-1282
23	**Total Resources**	**35471**	**33596**	**33591**	**33293**	**36322**	**36666**	**35691**	**34330**	**34654**	**32922**	**32334**	**36604**	**36122**	**36983**
24	**Total Surplus/Deficit**	**3562**	**1849**	**5152**	**4795**	**4610**	**1875**	**408**	**1380**	**4267**	**4095**	**3555**	**9735**	**5690**	**4179**

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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**	31279	31279	27958	28618	31836	34930	35236	33087	30590	28869	28869	27014	30061	32194
2	Federal Agency	150	150	146	166	191	216	218	202	200	187	187	165	160	160
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2770	2770	2570	2686	2969	3348	3239	3115	2858	2833	2833	2702	2739	2879
5	Municipality	3473	3473	3274	3711	4247	4543	4547	4367	3978	3744	3744	3228	3313	3488
6	Public Utility District	5584	5584	5315	5933	6736	7383	7457	6968	6468	6132	6132	5474	5405	5710
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2156	2156	2040	1578	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	584	584	584	243	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-984	-1187	-1150	-1351	-1298	-1456	-1411	-1355	-1425	-1272	-1358	-1223	-1158	-915
17		-984	-1187	-1150	-1351	-1298	-1456	-1411	-1355	-1425	-1272	-1358	-1223	-1158	-915
18	**Total Firm Loads**	**32451**	**32249**	**28847**	**28844**	**32080**	**35258**	**35609**	**33275**	**30708**	**29138**	**29060**	**27191**	**30763**	**33169**
	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**	21705	19707	19042	18769	21956	22211	21193	19702	20716	19469	19313	24777	23542	22665
2	Regulated Hydro - Net	20196	18200	17463	17258	20492	20819	19858	18457	19212	17680	17508	22787	21504	21038
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17138	17138	17183	17290	17358	17366	17326	16644	17347	16876	15505	16617	17213
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6593	6635	6780	6843	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	5746	6842	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1077	1077	1177	1115	1158	1293	1276	1294	1229	847	847	878	1138	1232
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	183	183	162	159	165	176	185	171	165	152	152	154	175	193
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**	-4027	-3904	-3771	-3778	-4086	-4199	-4149	-3996	-3939	-3828	-3789	-3963	-4080	-4127
18	Contingency Reserves (Non-Spinning)	-942	-913	-853	-862	-964	-1014	-1006	-953	-919	-878	-868	-887	-945	-972
19	Contingency Reserves (Spinning)	-942	-913	-853	-862	-964	-1014	-1006	-953	-919	-878	-868	-887	-945	-972
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1244	-1179	-1164	-1154	-1259	-1271	-1237	-1190	-1201	-1173	-1152	-1289	-1290	-1282
23	**Total Resources**	**35892**	**34017**	**33586**	**33290**	**36318**	**36663**	**35686**	**34326**	**34651**	**33835**	**33247**	**37198**	**37216**	**36983**
24	**Total Surplus/Deficit**	**3441**	**1768**	**4725**	**4445**	**4238**	**1405**	**72.9**	**1028**	**3889**	**4663**	**4153**	**10007**	**6453**	**3814**

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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**	31718	31718	28308	28939	32184	35310	35631	33477	30936	29202	29202	27343	30462	32627
2	Federal Agency	151	151	147	167	194	223	241	226	213	199	199	178	173	171
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2813	2813	2612	2733	3019	3401	3288	3175	2905	2883	2883	2749	2786	2926
5	Municipality	3494	3494	3293	3731	4268	4564	4567	4386	3998	3764	3764	3247	3333	3509
6	Public Utility District	5638	5638	5360	5977	6783	7435	7508	7016	6512	6181	6181	5525	5457	5763
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2094	2094	1978	1548	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	522	522	522	213	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-989	-1205	-1099	-1384	-1283	-1488	-1436	-1366	-1374	-1282	-1443	-1238	-1103	-914
17		-989	-1205	-1099	-1384	-1283	-1488	-1436	-1366	-1374	-1282	-1443	-1238	-1103	-914
18	**Total Firm Loads**	**32823**	**32608**	**29186**	**29104**	**32443**	**35605**	**35979**	**33655**	**31106**	**29461**	**29309**	**27505**	**31218**	**33603**
	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**	21707	19710	19044	18771	21959	22214	21197	19706	20718	19472	19316	24707	23473	22668
2	Regulated Hydro - Net	20199	18203	17465	17261	20494	20822	19862	18461	19214	17683	17511	22716	21435	21041
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17138	17142	17187	17294	17363	17366	17327	16647	16135	16141	14378	15640	17211
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	2578	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6640	6784	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	4616	5866	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	178	215	326	339	463	477	467
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1086	1086	1182	1121	1138	1251	1235	1254	1189	841	841	884	1148	1244
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	185	185	164	161	166	178	186	173	167	153	153	155	176	195
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**	-4040	-3917	-3780	-3789	-4096	-4209	-4159	-4007	-3948	-3783	-3774	-3867	-3991	-4140
18	Contingency Reserves (Non-Spinning)	-948	-919	-858	-867	-969	-1020	-1012	-959	-924	-875	-873	-858	-917	-979
19	Contingency Reserves (Spinning)	-948	-919	-858	-867	-969	-1020	-1012	-959	-924	-875	-873	-858	-917	-979
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1244	-1179	-1164	-1154	-1258	-1269	-1235	-1188	-1200	-1132	-1127	-1251	-1257	-1282
23	**Total Resources**	**35891**	**34016**	**33588**	**33291**	**36295**	**36619**	**35639**	**34279**	**34607**	**32664**	**32523**	**36101**	**36270**	**36983**
24	**Total Surplus/Deficit**	**3068**	**1409**	**4388**	**4187**	**3852**	**1014**	**-344**	**601**	**3447**	**3169**	**3180**	**8596**	**5052**	**3380**

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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**	32147	32147	28650	29271	32548	35715	36017	33765	31274	29528	29528	27663	30857	33046
2	Federal Agency	162	162	160	179	212	246	253	232	223	206	206	182	177	177
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2859	2859	2659	2784	3072	3457	3341	3190	2956	2935	2935	2799	2836	2975
5	Municipality	3514	3514	3313	3749	4286	4584	4586	4388	4016	3781	3781	3264	3351	3527
6	Public Utility District	5692	5692	5399	6021	6831	7486	7554	7040	6552	6219	6219	5572	5505	5804
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2094	2094	1978	1548	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	522	522	522	213	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-980	-1230	-1104	-1397	-1270	-1476	-1447	-1372	-1391	-1301	-1468	-1232	-1150	-909
17		-980	-1230	-1104	-1397	-1270	-1476	-1447	-1372	-1391	-1301	-1468	-1232	-1150	-909
18	**Total Firm Loads**	**33261**	**33010**	**29523**	**29422**	**32820**	**36022**	**36354**	**33937**	**31427**	**29769**	**29609**	**27831**	**31567**	**34028**
	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**	21710	19712	19046	18774	21962	22217	21201	19707	20721	19471	19316	24769	23542	22670
2	Regulated Hydro - Net	20201	18205	17467	17263	20497	20826	19865	18462	19217	17682	17511	22779	21504	21043
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17136	17138	17183	17291	17363	17366	17326	16644	16829	16358	15352	16617	17213
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6637	6782	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6478	6478	5592	6842	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	395	321	239	182	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1096	1096	1187	1125	1142	1256	1240	1258	1193	845	845	888	1159	1255
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	186	186	165	162	168	179	188	174	168	155	155	156	178	196
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**	-4053	-3929	-3790	-3798	-4106	-4221	-4171	-4012	-3955	-3827	-3788	-3974	-4101	-4152
18	Contingency Reserves (Non-Spinning)	-954	-925	-863	-872	-974	-1026	-1018	-962	-928	-886	-877	-895	-956	-985
19	Contingency Reserves (Spinning)	-954	-925	-863	-872	-974	-1026	-1018	-962	-928	-886	-877	-895	-956	-985
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1244	-1179	-1164	-1154	-1258	-1269	-1235	-1188	-1199	-1155	-1134	-1284	-1290	-1282
23	**Total Resources**	**35891**	**34015**	**33582**	**33284**	**36288**	**36615**	**35635**	**34279**	**34604**	**33318**	**32731**	**37035**	**37216**	**36986**
24	**Total Surplus/Deficit**	**2630**	**1004**	**4045**	**3862**	**3468**	**593**	**-723**	**319**	**3123**	**3515**	**3087**	**9203**	**5649**	**2959**

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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**	32569	32569	28984	29601	32910	36111	36406	34204	31620	29858	29858	27998	31263	33451
2	Federal Agency	169	169	164	183	223	258	254	237	223	207	207	182	177	177
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2907	2907	2709	2835	3126	3513	3391	3275	3004	2988	2988	2849	2886	3002
5	Municipality	3533	3533	3331	3771	4310	4609	4609	4427	4038	3802	3802	3286	3373	3550
6	Public Utility District	5742	5742	5434	6061	6875	7534	7607	7109	6600	6266	6266	5627	5562	5854
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2094	2094	1978	1548	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	522	522	522	213	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-926	-1220	-1196	-1396	-1236	-1579	-1361	-1353	-1451	-1286	-1504	-1216	-1169	-934
17		-926	-1220	-1196	-1396	-1236	-1579	-1361	-1353	-1451	-1286	-1504	-1216	-1169	-934
18	**Total Firm Loads**	**33737**	**33443**	**29765**	**29753**	**33217**	**36315**	**36829**	**34395**	**31712**	**30113**	**29903**	**28182**	**31954**	**34407**
	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**	21712	19715	19048	18776	21965	22221	21202	19711	20722	19475	19319	24704	23478	22671
2	Regulated Hydro - Net	20204	18208	17469	17266	20500	20829	19866	18466	19218	17686	17514	22713	21440	21044
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17138	17142	17185	17292	17362	16786	16746	16064	16767	16296	14375	14907	16633
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6637	6782	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6416	6416	6416	6416	6416	4616	5132	6416
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	213	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1105	1105	1193	1130	1146	1261	1244	1262	1199	1090	1090	893	1168	1266
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	188	188	167	163	169	181	189	176	169	156	156	158	179	198
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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	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**	-4065	-3942	-3800	-3805	-4115	-4230	-4144	-3991	-3929	-3826	-3787	-3883	-3971	-4128
18	Contingency Reserves (Non-Spinning)	-960	-931	-868	-876	-978	-1031	-1014	-961	-924	-882	-873	-866	-919	-983
19	Contingency Reserves (Spinning)	-960	-931	-868	-876	-978	-1031	-1014	-961	-924	-882	-873	-866	-919	-983
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1244	-1179	-1164	-1154	-1258	-1269	-1216	-1169	-1180	-1161	-1141	-1251	-1233	-1263
23	**Total Resources**	**35891**	**34016**	**33583**	**33286**	**36289**	**36614**	**35088**	**33729**	**34056**	**33507**	**32919**	**36089**	**35582**	**36442**
24	**Total Surplus/Deficit**	**2154**	**573**	**3804**	**3534**	**3072**	**299**	**-1745**	**-689**	**2290**	**3359**	**2981**	**7907**	**3628**	**2034**

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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**	33004	33004	29326	29931	33261	36491	36792	34565	31969	30187	30187	28327	31660	33885
2	Federal Agency	169	169	164	183	224	259	255	235	224	208	208	183	178	178
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2934	2934	2734	2860	3153	3543	3420	3300	3031	3015	3015	2875	2913	3030
5	Municipality	3555	3555	3353	3792	4332	4631	4630	4450	4058	3822	3822	3305	3393	3570
6	Public Utility District	5824	5824	5498	6130	6946	7610	7684	7182	6674	6339	6339	5703	5634	5927
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2038	2038	1921	1492	1485	1726	1728	1487	1487	1485	1493	1343	1803	1833
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	465	465	465	156	148	148	148	148	148	148	156	8.04	465	465
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-945	-1226	-1202	-1352	-1277	-1533	-1362	-1360	-1459	-1285	-1529	-1227	-1178	-923
17		-945	-1226	-1202	-1352	-1277	-1533	-1362	-1360	-1459	-1285	-1529	-1227	-1178	-923
18	**Total Firm Loads**	**34096**	**33815**	**30046**	**30071**	**33469**	**36684**	**37158**	**34691**	**31996**	**30387**	**30151**	**28444**	**32285**	**34796**
	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**	21713	19716	19049	18778	21966	22222	21205	19713	20725	19457	19302	24815	23550	22674
2	Regulated Hydro - Net	20205	18209	17470	17267	20502	20831	19869	18468	19220	17669	17497	22825	21513	21047
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16559	16558	16562	16605	16712	16782	16786	16746	16064	14885	14886	16175	16190	16633
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	2578	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6637	6782	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6416	6416	6416	6416	6416	6416	6416	6416	6416	5006	5006	6416	6416	6416
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	213	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1115	1115	1198	1136	1151	1267	1250	1268	1204	1094	1094	899	1179	1278
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	189	189	168	165	170	182	191	177	171	157	157	159	181	200
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

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-4042	-3918	-3773	-3779	-4089	-4206	-4155	-4001	-3939	-3738	-3729	-4042	-4093	-4141
18	Contingency Reserves (Non-Spinning)	-958	-929	-864	-872	-975	-1028	-1020	-966	-929	-870	-868	-915	-958	-989
19	Contingency Reserves (Spinning)	-958	-929	-864	-872	-975	-1028	-1020	-966	-929	-870	-868	-915	-958	-989
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1225	-1160	-1145	-1135	-1239	-1250	-1216	-1169	-1180	-1099	-1094	-1312	-1276	-1263
23	**Total Resources**	**35345**	**33470**	**33037**	**32739**	**35740**	**36066**	**35085**	**33726**	**34054**	**31699**	**31553**	**37847**	**36826**	**36443**
24	**Total Surplus/Deficit**	**1249**	**-345**	**2977**	**2668**	**2271**	**-618**	**-2077**	**-988**	**2004**	**1278**	**1369**	**9403**	**4541**	**1647**

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	33418	33418	29650	30241	33594	36854	37163	34922	32297	30497	30497	28637	32039	34302
2	Federal Agency	170	170	165	184	224	260	256	239	225	209	209	184	179	179
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2961	2961	2760	2886	3180	3574	3448	3338	3057	3042	3042	2901	2939	3057
5	Municipality	3576	3576	3373	3812	4353	4653	4651	4469	4078	3841	3841	3325	3413	3591
6	Public Utility District	5883	5883	5545	6181	7001	7670	7744	7239	6727	6391	6391	5755	5687	5981
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2038	2038	1921	1492	1485	1726	1728	1487	1487	1485	1493	1343	1803	1833
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	465	465	465	156	148	148	148	148	148	148	156	8.04	465	465
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-1013	-1333	-1207	-1350	-1286	-1543	-1360	-1391	-1471	-1248	-1485	-1281	-1188	-929
17		-1013	-1333	-1207	-1350	-1286	-1543	-1360	-1391	-1471	-1248	-1485	-1281	-1188	-929
18	**Total Firm Loads**	**34442**	**34123**	**30364**	**30383**	**33793**	**37037**	**37531**	**35018**	**32313**	**30734**	**30504**	**28699**	**32653**	**35207**
	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**	21716	19718	19051	18779	21968	22225	21207	19716	20727	19459	19304	24749	23484	22676
2	Regulated Hydro - Net	20207	18211	17472	17269	20504	20833	19871	18471	19222	17671	17499	22759	21447	21049
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16559	16558	16562	16607	16714	16782	16786	16746	16064	15579	15108	14892	14907	16633
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6640	6784	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6416	6416	6416	6416	6416	6416	6416	6416	6416	5228	5228	5132	5132	6416
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	213	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1125	1125	1204	1141	1155	1272	1254	1272	1208	1100	1100	904	1189	1289
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	191	191	169	166	172	184	193	179	172	159	159	160	182	201
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

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-4054	-3931	-3784	-3787	-4099	-4216	-4166	-4011	-3948	-3784	-3745	-3939	-3994	-4153
18	Contingency Reserves (Non-Spinning)	-964	-935	-869	-876	-980	-1033	-1025	-971	-934	-881	-872	-885	-930	-995
19	Contingency Reserves (Spinning)	-964	-935	-869	-876	-980	-1033	-1025	-971	-934	-881	-872	-885	-930	-995
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1225	-1160	-1145	-1135	-1239	-1250	-1216	-1169	-1180	-1121	-1101	-1269	-1233	-1263
23	**Total Resources**	**35346**	**33471**	**33033**	**32741**	**35739**	**36063**	**35081**	**33723**	**34051**	**32354**	**31766**	**36606**	**35587**	**36444**
24	**Total Surplus/Deficit**	**903**	**-652**	**2655**	**2357**	**1946**	**-974**	**-2454**	**-1318**	**1684**	**1586**	**1228**	**7907**	**2933**	**1238**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	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**	**4196**	**4196**	**3954**	**4301**	**4881**	**5570**	**5541**	**5290**	**4781**	**4532**	**4532**	**4129**	**4049**	**4279**
4	Cooperative	2470	2470	2279	2383	2677	3070	3048	2931	2602	2504	2504	2373	2389	2566
5	Municipality	821	821	744	779	894	1005	989	943	862	796	796	737	737	803
6	Public Utility District	774	774	803	992	1137	1295	1302	1224	1135	1067	1067	871	782	769
7	Federal Entities	132	132	127	147	173	200	202	191	181	166	166	147	142	142
8	**Slice Block**	**1634**	**1634**	**1715**	**1624**	**1992**	**2216**	**2243**	**2076**	**1937**	**1636**	**1636**	**1424**	**1325**	**1561**
9	Municipality	488	488	613	538	750	817	847	803	769	532	532	352	279	454
10	Public Utility District	1147	1147	1102	1086	1242	1399	1396	1274	1168	1104	1104	1072	1047	1107
11	**Slice Right to Power**	**2341**	**1871**	**1932**	**1935**	**2479**	**2394**	**1949**	**1886**	**2270**	**1880**	**1876**	**3179**	**2679**	**2541**
12	Municipality	780	624	644	650	832	804	654	633	762	631	630	1067	899	853
13	Public Utility District	1560	1247	1288	1285	1647	1590	1294	1253	1508	1249	1246	2111	1779	1688
14	**Tier 1 Block**	**0**	**0**	**0**	**9.84**	**44.5**	**39.1**	**55.0**	**53.9**	**46.1**	**2.99**	**2.99**	**0**	**0**	**11.0**
15	Public Utility District	0	0	0	9.84	44.5	39.1	55.0	53.9	46.1	2.99	2.99	0	0	11.0
16	**USBR Obligation**	**639**	**639**	**559**	**451**	**302**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
17	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
18	Cooperative	2470	2470	2279	2383	2677	3070	3048	2931	2602	2504	2504	2373	2389	2566
19	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
20	Federal Entities	132	132	127	147	173	200	202	191	181	166	166	147	142	142
21	Municipality	2089	1932	2001	1967	2476	2626	2490	2379	2393	1959	1958	2157	1915	2110
22	Public Utility District	3481	3168	3193	3373	4070	4323	4047	3805	3857	3423	3420	4054	3608	3574
23	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
24	**Total Power Sales Contracts**	**9126**	**8656**	**8476**	**8637**	**10014**	**10924**	**10417**	**9935**	**9782**	**8864**	**8859**	**9632**	**9004**	**9359**

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

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
25	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
26	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
27	**Load Following**	**4211**	**4211**	**3957**	**4266**	**4853**	**5551**	**5541**	**5305**	**4755**	**4508**	**4508**	**4101**	**4020**	**4260**
28	Cooperative	2477	2477	2285	2329	2629	3030	3025	2921	2555	2459	2459	2324	2340	2524
29	Municipality	818	818	736	791	907	1018	1001	954	873	806	806	749	749	815
30	Public Utility District	782	782	806	998	1142	1300	1310	1233	1143	1075	1075	879	788	777
31	Federal Entities	134	134	129	149	175	203	204	197	184	168	168	149	144	144
32	**Slice Block**	**1561**	**1561**	**1628**	**1697**	**2091**	**2326**	**2355**	**2177**	**2025**	**1706**	**1706**	**1506**	**1411**	**1640**
33	Municipality	475	475	590	561	782	853	884	837	806	557	557	369	294	475
34	Public Utility District	1087	1087	1038	1136	1309	1473	1471	1339	1220	1150	1150	1137	1118	1165
35	**Slice Right to Power**	**2318**	**1786**	**1800**	**1871**	**2443**	**2404**	**2106**	**1901**	**2249**	**1907**	**1875**	**2788**	**2272**	**2417**
36	Municipality	778	600	604	628	820	807	707	638	755	640	630	936	763	812
37	Public Utility District	1540	1186	1195	1243	1623	1597	1399	1263	1494	1267	1246	1852	1509	1606
38	**Tier 1 Block**	**11.3**	**11.3**	**23.3**	**10.6**	**47.9**	**42.1**	**59.2**	**58.0**	**49.6**	**3.22**	**3.22**	**0**	**0**	**11.8**
39	Public Utility District	11.3	11.3	23.3	10.6	47.9	42.1	59.2	58.0	49.6	3.22	3.22	0	0	11.8
40	**USBR Obligation**	**639**	**639**	**559**	**451**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
41	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
42	Cooperative	2477	2477	2285	2329	2629	3030	3025	2921	2555	2459	2459	2324	2340	2524
43	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
44	Federal Entities	134	134	129	149	175	203	204	197	184	168	168	149	144	144
45	Municipality	2071	1893	1930	1980	2509	2678	2592	2429	2434	2003	1993	2054	1805	2101
46	Public Utility District	3420	3067	3063	3387	4122	4412	4239	3893	3906	3495	3473	3868	3415	3559
47	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
48	**Total Power Sales Contracts**	**9057**	**8526**	**8283**	**8612**	**10053**	**11028**	**10690**	**10069**	**9826**	**8937**	**8904**	**9295**	**8653**	**9295**

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

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
49	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
50	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
51	**Load Following**	**4180**	**4180**	**3923**	**4453**	**5092**	**5774**	**5721**	**5399**	**4909**	**4712**	**4712**	**4252**	**4228**	**4437**
52	Cooperative	2424	2424	2231	2457	2780	3185	3151	2987	2661	2607	2607	2450	2474	2642
53	Municipality	831	831	748	806	934	1052	1024	964	893	833	833	758	791	838
54	Public Utility District	789	789	813	1039	1194	1324	1331	1251	1166	1098	1098	893	817	811
55	Federal Entities	136	136	131	151	184	213	216	198	190	173	173	152	146	147
56	**Slice Block**	**1634**	**1634**	**1707**	**1649**	**2031**	**2260**	**2288**	**2041**	**1966**	**1658**	**1658**	**1467**	**1375**	**1595**
57	Municipality	496	496	622	540	750	819	849	776	773	535	535	355	283	457
58	Public Utility District	1138	1138	1085	1110	1280	1441	1439	1265	1192	1123	1123	1112	1092	1138
59	**Slice Right to Power**	**2322**	**1748**	**1747**	**1873**	**2446**	**2408**	**2111**	**1906**	**2253**	**1973**	**1941**	**3093**	**2583**	**2426**
60	Municipality	780	587	587	629	821	809	709	640	757	663	652	1039	867	815
61	Public Utility District	1542	1161	1161	1244	1625	1600	1402	1266	1497	1311	1289	2055	1716	1612
62	**Tier 1 Block**	**12.2**	**12.2**	**25.1**	**11.0**	**49.6**	**43.6**	**61.3**	**58.0**	**51.4**	**3.33**	**3.33**	**0**	**0**	**12.3**
63	Public Utility District	12.2	12.2	25.1	11.0	49.6	43.6	61.3	58.0	51.4	3.33	3.33	0	0	12.3
64	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
65	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
66	Cooperative	2424	2424	2231	2457	2780	3185	3151	2987	2661	2607	2607	2450	2474	2642
67	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
68	Federal Entities	136	136	131	151	184	213	216	198	190	173	173	152	146	147
69	Municipality	2106	1914	1956	1974	2506	2679	2582	2380	2423	2031	2020	2151	1941	2109
70	Public Utility District	3482	3100	3084	3404	4149	4409	4233	3840	3906	3535	3514	4060	3625	3573
71	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
72	**Total Power Sales Contracts**	**9103**	**8529**	**8278**	**8751**	**10236**	**11191**	**10811**	**10033**	**9928**	**9158**	**9126**	**9713**	**9136**	**9438**

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

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
73	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
74	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
75	**Load Following**	**4330**	**4330**	**4131**	**4509**	**5146**	**5836**	**5780**	**5534**	**4947**	**4752**	**4752**	**4291**	**4270**	**4484**
76	Cooperative	2525	2525	2356	2478	2803	3214	3182	3079	2679	2628	2628	2470	2497	2670
77	Municipality	848	848	789	823	952	1070	1042	993	903	843	843	768	801	849
78	Public Utility District	819	819	852	1054	1202	1334	1339	1259	1174	1106	1106	901	824	817
79	Federal Entities	138	138	134	154	189	218	217	203	191	174	174	152	147	147
80	**Slice Block**	**1589**	**1589**	**1657**	**1690**	**2081**	**2316**	**2345**	**2166**	**2013**	**1699**	**1699**	**1505**	**1410**	**1635**
81	Municipality	477	477	597	552	768	838	869	823	791	548	548	364	290	468
82	Public Utility District	1111	1111	1060	1137	1313	1478	1476	1343	1222	1151	1151	1141	1120	1167
83	**Slice Right to Power**	**2323**	**1751**	**1750**	**1873**	**2426**	**2388**	**2089**	**1886**	**2233**	**1958**	**1926**	**2798**	**2289**	**2424**
84	Municipality	780	588	588	629	815	802	701	633	750	658	647	939	768	814
85	Public Utility District	1543	1163	1162	1244	1611	1586	1387	1253	1483	1301	1280	1858	1520	1610
86	**Tier 1 Block**	**12.6**	**12.6**	**26.0**	**11.3**	**51.0**	**44.8**	**63.0**	**61.7**	**52.8**	**3.42**	**3.42**	**0**	**0**	**12.6**
87	Public Utility District	12.6	12.6	26.0	11.3	51.0	44.8	63.0	61.7	52.8	3.42	3.42	0	0	12.6
88	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
89	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
90	Cooperative	2525	2525	2356	2478	2803	3214	3182	3079	2679	2628	2628	2470	2497	2670
91	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
92	Federal Entities	138	138	134	154	189	218	217	203	191	174	174	152	147	147
93	Municipality	2105	1913	1974	2005	2534	2710	2612	2450	2444	2048	2037	2071	1860	2130
94	Public Utility District	3486	3106	3100	3447	4178	4443	4265	3917	3932	3562	3540	3900	3464	3607
95	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
96	**Total Power Sales Contracts**	**9209**	**8637**	**8440**	**8847**	**10321**	**11290**	**10905**	**10277**	**9994**	**9225**	**9192**	**9494**	**8919**	**9522**

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

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
97	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
98	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
99	**Load Following**	**4372**	**4372**	**4169**	**4552**	**5188**	**5881**	**5835**	**5587**	**4990**	**4797**	**4797**	**4330**	**4310**	**4529**
100	Cooperative	2548	2548	2375	2503	2832	3249	3227	3123	2705	2656	2656	2493	2520	2699
101	Municipality	859	859	800	833	963	1081	1051	1004	911	851	851	776	810	858
102	Public Utility District	827	827	860	1062	1211	1342	1348	1267	1182	1114	1114	909	832	824
103	Federal Entities	139	139	135	154	182	208	210	194	192	175	175	153	148	148
104	**Slice Block**	**1628**	**1628**	**1698**	**1674**	**2062**	**2295**	**2323**	**2146**	**1995**	**1683**	**1683**	**1490**	**1397**	**1619**
105	Municipality	489	489	611	547	761	830	860	815	784	542	542	360	287	463
106	Public Utility District	1140	1140	1086	1127	1301	1465	1463	1331	1211	1141	1141	1130	1110	1157
107	**Slice Right to Power**	**2316**	**1744**	**1744**	**1878**	**2430**	**2392**	**2095**	**1891**	**2238**	**1902**	**1870**	**3093**	**2585**	**2428**
108	Municipality	778	586	586	631	816	803	703	635	751	639	628	1038	868	815
109	Public Utility District	1539	1159	1159	1247	1614	1589	1391	1256	1486	1263	1242	2054	1717	1613
110	**Tier 1 Block**	**12.9**	**12.9**	**26.7**	**11.6**	**52.3**	**45.9**	**64.6**	**63.3**	**54.2**	**3.51**	**3.51**	**0**	**0**	**12.9**
111	Public Utility District	12.9	12.9	26.7	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
112	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
113	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
114	Cooperative	2548	2548	2375	2503	2832	3249	3227	3123	2705	2656	2656	2493	2520	2699
115	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
116	Federal Entities	139	139	135	154	182	208	210	194	192	175	175	153	148	148
117	Municipality	2125	1933	1996	2011	2539	2714	2615	2454	2446	2032	2021	2174	1965	2136
118	Public Utility District	3518	3138	3131	3448	4178	4442	4266	3917	3934	3522	3501	4093	3659	3606
119	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
120	**Total Power Sales Contracts**	**9284**	**8712**	**8513**	**8880**	**10349**	**11319**	**10947**	**10317**	**10025**	**9197**	**9165**	**9814**	**9242**	**9556**

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

Operating Year 2019 Water Year: 1937

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
121	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
122	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
123	**Load Following**	**4411**	**4411**	**4207**	**4587**	**5234**	**5941**	**5919**	**5683**	**5041**	**4847**	**4847**	**4375**	**4356**	**4580**
124	Cooperative	2570	2570	2396	2521	2858	3284	3270	3179	2728	2680	2680	2511	2538	2723
125	Municipality	868	868	808	841	971	1091	1059	1010	919	858	858	783	818	866
126	Public Utility District	834	834	867	1070	1219	1351	1356	1276	1190	1122	1122	916	839	831
127	Federal Entities	140	140	136	155	186	215	233	218	205	187	187	166	161	159
128	**Slice Block**	**1613**	**1613**	**1682**	**1692**	**2084**	**2320**	**2349**	**2170**	**2017**	**1702**	**1702**	**1508**	**1413**	**1637**
129	Municipality	484	484	605	553	768	839	869	824	792	548	548	364	290	468
130	Public Utility District	1129	1129	1077	1140	1316	1481	1480	1346	1225	1153	1153	1143	1122	1170
131	**Slice Right to Power**	**2325**	**1753**	**1753**	**1876**	**2501**	**2462**	**2164**	**1960**	**2272**	**1936**	**1904**	**2798**	**2291**	**2426**
132	Municipality	780	589	589	630	840	827	727	658	763	650	639	940	769	814
133	Public Utility District	1544	1165	1165	1246	1661	1635	1437	1302	1509	1286	1265	1859	1522	1611
134	**Tier 1 Block**	**13.3**	**13.3**	**27.4**	**11.6**	**52.3**	**45.9**	**64.6**	**63.3**	**54.2**	**3.51**	**3.51**	**0**	**0**	**12.9**
135	Public Utility District	13.3	13.3	27.4	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
136	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
137	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
138	Cooperative	2570	2570	2396	2521	2858	3284	3270	3179	2728	2680	2680	2511	2538	2723
139	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
140	Federal Entities	140	140	136	155	186	215	233	218	205	187	187	166	161	159
141	Municipality	2132	1940	2002	2023	2579	2756	2655	2492	2473	2056	2045	2086	1878	2148
142	Public Utility District	3521	3141	3136	3468	4248	4514	4338	3987	3978	3565	3544	3918	3483	3625
143	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
144	**Total Power Sales Contracts**	**9317**	**8746**	**8545**	**8932**	**10489**	**11474**	**11125**	**10505**	**10132**	**9300**	**9268**	**9582**	**9010**	**9622**

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

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
145	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
146	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
147	**Load Following**	**4454**	**4454**	**4251**	**4639**	**5303**	**6023**	**5997**	**5663**	**5093**	**4898**	**4898**	**4417**	**4398**	**4630**
148	Cooperative	2586	2586	2412	2546	2892	3327	3321	3154	2755	2709	2709	2534	2560	2753
149	Municipality	876	876	816	847	978	1098	1066	1000	925	864	864	789	825	873
150	Public Utility District	842	842	875	1079	1228	1360	1365	1285	1199	1131	1131	924	847	839
151	Federal Entities	150	150	148	167	204	238	245	224	215	194	194	170	165	165
152	**Slice Block**	**1631**	**1631**	**1700**	**1676**	**2065**	**2298**	**2326**	**2075**	**1998**	**1685**	**1685**	**1492**	**1398**	**1621**
153	Municipality	489	489	612	547	762	831	861	788	785	542	542	360	287	463
154	Public Utility District	1142	1142	1089	1129	1303	1467	1465	1287	1213	1143	1143	1132	1111	1158
155	**Slice Right to Power**	**2323**	**1752**	**1753**	**1878**	**2503**	**2464**	**2166**	**1962**	**2274**	**1937**	**1905**	**3088**	**2584**	**2427**
156	Municipality	780	588	588	631	840	827	727	659	763	650	640	1037	868	815
157	Public Utility District	1543	1164	1164	1248	1662	1637	1439	1303	1510	1287	1266	2051	1716	1612
158	**Tier 1 Block**	**13.3**	**13.3**	**27.4**	**11.7**	**53.0**	**46.6**	**65.5**	**61.9**	**54.9**	**3.56**	**3.56**	**0**	**0**	**13.1**
159	Public Utility District	13.3	13.3	27.4	11.7	53.0	46.6	65.5	61.9	54.9	3.56	3.56	0	0	13.1
160	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
161	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
162	Cooperative	2586	2586	2412	2546	2892	3327	3321	3154	2755	2709	2709	2534	2560	2753
163	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
164	Federal Entities	150	150	148	167	204	238	245	224	215	194	194	170	165	165
165	Municipality	2145	1953	2016	2025	2580	2756	2655	2447	2473	2057	2046	2186	1979	2151
166	Public Utility District	3540	3160	3155	3468	4247	4510	4335	3937	3977	3564	3543	4108	3675	3622
167	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
168	**Total Power Sales Contracts**	**9376**	**8805**	**8606**	**8970**	**10541**	**11537**	**11184**	**10391**	**10168**	**9336**	**9304**	**9897**	**9330**	**9657**

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

Operating Year 2021 Water Year: 1937

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
169	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
170	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
171	**Load Following**	**4498**	**4498**	**4290**	**4682**	**5364**	**6097**	**6058**	**5818**	**5130**	**4936**	**4936**	**4449**	**4430**	**4669**
172	Cooperative	2607	2607	2433	2568	2924	3369	3363	3270	2775	2730	2730	2550	2576	2776
173	Municipality	884	884	822	856	989	1110	1076	1026	934	872	872	797	834	882
174	Public Utility District	850	850	883	1087	1236	1369	1374	1293	1207	1139	1139	932	855	846
175	Federal Entities	157	157	152	171	215	250	245	229	215	195	195	170	165	165
176	**Slice Block**	**1615**	**1615**	**1684**	**1671**	**2059**	**2292**	**2321**	**2143**	**1992**	**1680**	**1680**	**1489**	**1395**	**1617**
177	Municipality	484	484	606	545	758	827	857	812	781	540	540	358	286	461
178	Public Utility District	1131	1131	1078	1127	1301	1465	1463	1331	1211	1140	1140	1131	1109	1156
179	**Slice Right to Power**	**2324**	**1753**	**1754**	**1877**	**2501**	**2462**	**2164**	**1961**	**2272**	**1999**	**1966**	**2796**	**2292**	**2426**
180	Municipality	780	588	589	630	840	827	727	658	763	671	660	939	770	814
181	Public Utility District	1543	1164	1165	1247	1661	1636	1438	1302	1509	1328	1306	1857	1523	1611
182	**Tier 1 Block**	**13.5**	**13.5**	**27.8**	**11.7**	**52.9**	**46.4**	**65.3**	**64.0**	**54.8**	**3.55**	**3.55**	**0**	**0**	**13.1**
183	Public Utility District	13.5	13.5	27.8	11.7	52.9	46.4	65.3	64.0	54.8	3.55	3.55	0	0	13.1
184	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
185	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
186	Cooperative	2607	2607	2433	2568	2924	3369	3363	3270	2775	2730	2730	2550	2576	2776
187	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
188	Federal Entities	157	157	152	171	215	250	245	229	215	195	195	170	165	165
189	Municipality	2148	1956	2017	2031	2586	2763	2660	2496	2477	2083	2072	2094	1889	2157
190	Public Utility District	3538	3158	3154	3472	4251	4516	4340	3990	3982	3610	3589	3920	3487	3626
191	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
192	**Total Power Sales Contracts**	**9404**	**8833**	**8631**	**9006**	**10594**	**11602**	**11237**	**10615**	**10197**	**9430**	**9398**	**9635**	**9067**	**9692**

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

Operating Year 2022 Water Year: 1937

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
193	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
194	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
195	**Load Following**	**4530**	**4530**	**4321**	**4731**	**5424**	**6167**	**6095**	**5849**	**5163**	**4968**	**4968**	**4480**	**4462**	**4702**
196	Cooperative	2622	2622	2447	2601	2966	3420	3382	3286	2791	2747	2747	2565	2592	2793
197	Municipality	893	893	831	864	998	1119	1084	1036	941	879	879	804	842	890
198	Public Utility District	857	857	891	1095	1244	1377	1382	1300	1215	1147	1147	939	862	853
199	Federal Entities	157	157	152	171	215	251	246	227	216	196	196	171	166	166
200	**Slice Block**	**1611**	**1611**	**1679**	**1679**	**2068**	**2303**	**2332**	**2152**	**2000**	**1687**	**1687**	**1497**	**1401**	**1624**
201	Municipality	482	482	603	546	759	829	859	814	783	541	541	359	287	462
202	Public Utility District	1129	1129	1076	1133	1309	1474	1473	1339	1217	1146	1146	1138	1115	1162
203	**Slice Right to Power**	**2322**	**1751**	**1752**	**1874**	**2497**	**2457**	**2159**	**1956**	**2269**	**1997**	**1964**	**3091**	**2582**	**2423**
204	Municipality	780	588	588	629	838	825	725	657	762	670	660	1038	867	813
205	Public Utility District	1543	1163	1164	1245	1659	1632	1434	1299	1507	1326	1305	2053	1715	1609
206	**Tier 1 Block**	**13.4**	**13.4**	**27.7**	**11.7**	**52.8**	**46.4**	**65.3**	**63.9**	**54.7**	**3.55**	**3.55**	**0**	**0**	**13.1**
207	Public Utility District	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
208	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
209	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
210	Cooperative	2622	2622	2447	2601	2966	3420	3382	3286	2791	2747	2747	2565	2592	2793
211	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
212	Federal Entities	157	157	152	171	215	251	246	227	216	196	196	171	166	166
213	Municipality	2154	1962	2023	2039	2596	2773	2668	2506	2486	2091	2080	2202	1995	2166
214	Public Utility District	3543	3163	3158	3484	4265	4530	4354	4002	3994	3622	3601	4131	3692	3637
215	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
216	**Total Power Sales Contracts**	**9431**	**8860**	**8656**	**9059**	**10659**	**11679**	**11280**	**10650**	**10235**	**9468**	**9436**	**9969**	**9396**	**9729**

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

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
217	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
218	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
219	**Load Following**	**4563**	**4563**	**4353**	**4768**	**5464**	**6212**	**6138**	**5904**	**5202**	**5007**	**5007**	**4517**	**4500**	**4742**
220	Cooperative	2639	2639	2462	2622	2988	3446	3408	3321	2814	2770	2770	2586	2614	2817
221	Municipality	901	901	839	872	1007	1129	1093	1042	949	886	886	812	850	898
222	Public Utility District	865	865	898	1102	1252	1385	1390	1309	1223	1155	1155	947	869	860
223	Federal Entities	158	158	153	172	216	252	247	231	217	197	197	172	167	167
224	**Slice Block**	**1618**	**1618**	**1686**	**1680**	**2070**	**2305**	**2334**	**2155**	**2002**	**1689**	**1689**	**1499**	**1403**	**1626**
225	Municipality	483	483	605	547	760	829	860	815	783	542	542	360	287	463
226	Public Utility District	1135	1135	1081	1134	1310	1476	1474	1340	1219	1147	1147	1139	1116	1163
227	**Slice Right to Power**	**2320**	**1748**	**1749**	**1873**	**2496**	**2456**	**2158**	**1955**	**2268**	**1995**	**1963**	**2799**	**2290**	**2422**
228	Municipality	779	587	587	629	838	825	725	656	761	670	659	940	769	813
229	Public Utility District	1541	1161	1162	1244	1658	1631	1433	1298	1506	1325	1304	1859	1521	1609
230	**Tier 1 Block**	**13.4**	**13.4**	**27.7**	**11.7**	**52.8**	**46.4**	**65.3**	**63.9**	**54.7**	**3.55**	**3.55**	**0**	**0**	**13.1**
231	Public Utility District	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
232	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
233	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
234	Cooperative	2639	2639	2462	2622	2988	3446	3408	3321	2814	2770	2770	2586	2614	2817
235	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
236	Federal Entities	158	158	153	172	216	252	247	231	217	197	197	172	167	167
237	Municipality	2163	1971	2031	2048	2605	2783	2677	2513	2494	2098	2087	2111	1906	2174
238	Public Utility District	3554	3175	3169	3492	4273	4539	4363	4011	4003	3631	3609	3945	3506	3645
239	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
240	**Total Power Sales Contracts**	**9468**	**8897**	**8691**	**9097**	**10700**	**11725**	**11325**	**10706**	**10275**	**9507**	**9475**	**9715**	**9143**	**9769**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5868	-7778	-7763	-6892	-5545	-5828	-8043	-8822	-7140	-8028	-8020	-3265	-5756	-5503
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	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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	12.8	12.8	52.4	51.6	51.4	51.3	51.1	51.6	53.0	53.8
10	Chief Joseph	2416	2391	2219	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
11	Cushman 1	21.4	16.8	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	5058	5103	4508	4230	4986	4749	4994	5037	4713	4094	3926	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	146	131	130	143	128	114	114	113	124	124	131	149
34	Monroe Street	5.78	5.98	11.0	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	378	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	331	331	396	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
48	Ross	0	362	389	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	259	155	227	188	162	140	152	158	0.23	233	265	268
51	Swift 2	62.1	62.1	64.7	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	0	101	95.5	93.8	89.2	80.3	61.3	12.2	0	102	103	102
55	Upper Falls	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	743	743	743	743	778	743	743	743	743	743	743	743	743	743
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	128	85.7	130	112	102	94.0	94.0	106	106	0	133	133

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10960	9111	8703	8670	11201	11481	9661	9166	10242	8771	8739	13725	11815	11583
60	Investor Owned Utilities	4282	4211	4047	4015	4254	4270	4399	4254	4254	4106	3995	4457	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1725	2104	2164	2099	2018	1989	2095	1816	1739	1778	1776	1823	2320	2167
63	Public Utility District	2300	2300	2197	2156	2197	2201	2227	2218	2170	2175	2226	2307	2308	2297
64	**Total Regulated Hydro**	**20161**	**18594**	**17921**	**17733**	**20489**	**20782**	**19249**	**18323**	**19265**	**17669**	**17599**	**23167**	**21906**	**21474**

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5055	-7352	-7591	-7001	-5512	-5787	-7449	-8748	-7235	-7902	-7986	-3671	-6227	-5943
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	331	396	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
48	Ross	0	362	389	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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10977	8864	8372	8561	11222	11566	10330	9269	10201	8921	8780	13319	11345	11143
60	Investor Owned Utilities	4282	4211	4047	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1725	2104	2164	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2197	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**20178**	**18347**	**17591**	**17248**	**20481**	**20809**	**19848**	**18448**	**19204**	**17671**	**17499**	**22714**	**21427**	**21029**

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5058	-7519	-7806	-6996	-5507	-5781	-7445	-8746	-7231	-7917	-8001	-3580	-6155	-5939
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10974	8698	8158	8566	11228	11572	10334	9271	10204	8906	8765	13409	11417	11147
60	Investor Owned Utilities	4282	4211	4125	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2194	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**20191**	**18194**	**17456**	**17253**	**20487**	**20814**	**19852**	**18450**	**19208**	**17655**	**17484**	**22805**	**21499**	**21033**

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5055	-7516	-7801	-6993	-5504	-5779	-7442	-8740	-7229	-7915	-7999	-3653	-6221	-5937
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10978	8701	8162	8569	11230	11574	10337	9276	10206	8908	8767	13337	11350	11150
60	Investor Owned Utilities	4282	4211	4125	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2194	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**20194**	**18198**	**17461**	**17256**	**20489**	**20817**	**19855**	**18455**	**19210**	**17657**	**17485**	**22732**	**21432**	**21035**

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5052	-7513	-7799	-6991	-5502	-5776	-7439	-8738	-7227	-7892	-7977	-3598	-6150	-5934
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10980	8703	8165	8571	11233	11577	10340	9278	10208	8931	8789	13391	11422	11153
60	Investor Owned Utilities	4282	4211	4125	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2194	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**20196**	**18200**	**17463**	**17258**	**20492**	**20819**	**19858**	**18457**	**19212**	**17680**	**17508**	**22787**	**21504**	**21038**

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5050	-7511	-7797	-6988	-5499	-5773	-7436	-8734	-7225	-7889	-7974	-3669	-6219	-5932
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10982	8706	8167	8573	11235	11580	10343	9283	10211	8934	8793	13321	11353	11155
60	Investor Owned Utilities	4282	4211	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**20199**	**18203**	**17465**	**17261**	**20494**	**20822**	**19862**	**18461**	**19214**	**17683**	**17511**	**22716**	**21435**	**21041**

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5047	-7508	-7794	-6986	-5496	-5770	-7432	-8733	-7222	-7890	-7974	-3606	-6150	-5929
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10985	8708	8169	8576	11238	11583	10347	9283	10214	8933	8793	13383	11422	11158
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**20201**	**18205**	**17467**	**17263**	**20497**	**20826**	**19865**	**18462**	**19217**	**17682**	**17511**	**22779**	**21504**	**21043**

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5045	-7506	-7792	-6983	-5493	-5766	-7431	-8729	-7221	-7886	-7970	-3672	-6214	-5928
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10988	8711	8171	8578	11241	11587	10348	9287	10215	8937	8796	13318	11358	11159
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**20204**	**18208**	**17469**	**17266**	**20500**	**20829**	**19866**	**18466**	**19218**	**17686**	**17514**	**22713**	**21440**	**21044**

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5043	-7504	-7791	-6982	-5491	-5765	-7428	-8727	-7218	-7903	-7988	-3560	-6141	-5926
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10989	8712	8172	8579	11243	11588	10351	9289	10217	8919	8778	13429	11430	11161
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**20205**	**18209**	**17470**	**17267**	**20502**	**20831**	**19869**	**18468**	**19220**	**17669**	**17497**	**22825**	**21513**	**21047**

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-5041	-7502	-7790	-6980	-5489	-5762	-7426	-8724	-7216	-7901	-7986	-3626	-6207	-5924
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	10991	8714	8174	8581	11245	11591	10353	9292	10219	8921	8780	13363	11364	11163
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**20207**	**18211**	**17472**	**17269**	**20504**	**20833**	**19871**	**18471**	**19222**	**17671**	**17499**	**22759**	**21447**	**21049**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	139	138	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	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	Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	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	Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	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	Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	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	Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	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	Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	160	160	186	187	196	200	184	184	229	238	191
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	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	Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	135	136	143	160	160	186	187	196	200	184	184	229	238	191
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1016	812	287	878	982	205	109	-49.9	895	-184	1245	3311	3540	1123
2	1930 Federal Report Surplus Deficit	447	-840	561	527	833	276	-1497	115	686	209	2031	3165	1932	1862
3	1931 Federal Report Surplus Deficit	644	-624	256	250	1137	130	-1323	-1115	187	922	-1170	3646	2145	1621
4	1932 Federal Report Surplus Deficit	636	-357	38.6	93.4	391	116	-1500	-1576	2796	4547	4278	4855	5198	1959
5	1933 Federal Report Surplus Deficit	1183	348	1034	661	475	431	2670	3256	3557	3160	2837	4536	5522	3198
6	1934 Federal Report Surplus Deficit	1222	1611	635	1713	3452	4087	4346	4647	4430	4711	4379	4367	3918	2050
7	1935 Federal Report Surplus Deficit	441	-429	7.03	354	316	716	2276	2374	2880	2861	2184	4170	3801	2546
8	1936 Federal Report Surplus Deficit	1250	60.7	227	665	903	228	-1003	-889	1370	1090	3955	4659	4732	1785
9	1937 Federal Report Surplus Deficit	671	-582	123	605	1209	260	-1067	-907	877	332	302	3933	2825	1621
10	1938 Federal Report Surplus Deficit	209	-1126	517	397	349	936	1973	2284	3962	4243	4594	4698	4628	2488
11	1939 Federal Report Surplus Deficit	709	75.7	576	838	794	229	385	292	2002	3105	3182	4441	2963	1684
12	1940 Federal Report Surplus Deficit	118	-1421	-44.6	860	1420	911	-89.2	320	3143	2994	3241	4221	3770	1311
13	1941 Federal Report Surplus Deficit	58.3	-1375	171	735	639	654	-249	-90.4	605	340	1096	3554	3426	1674
14	1942 Federal Report Surplus Deficit	354	-329	869	98.7	948	1702	2074	432	1176	654	2702	3724	4618	2755
15	1943 Federal Report Surplus Deficit	990	499	1276	725	337	776	2767	3152	3984	4889	4690	4568	5423	2432
16	1944 Federal Report Surplus Deficit	927	620	351	654	1015	133	140	145	558	-183	1550	2673	1247	1240
17	1945 Federal Report Surplus Deficit	242	-868	90.2	528	856	-337	-877	-613	399	-293	-1310	4390	4647	996
18	1946 Federal Report Surplus Deficit	888	-246	593	499	739	825	1848	2249	3731	4145	4624	4770	4895	2621
19	1947 Federal Report Surplus Deficit	1289	1024	708	576	903	3508	3995	4403	4264	3482	3165	4608	4849	2682
20	1948 Federal Report Surplus Deficit	898	207	487	3138	2499	2348	3809	3288	3237	3386	4335	4924	5230	3014
21	1949 Federal Report Surplus Deficit	1431	1621	979	926	905	895	2017	841	4545	4108	4470	4772	4773	1018
22	1950 Federal Report Surplus Deficit	52.3	-1207	113	605	861	730	3762	3760	4813	4722	4099	4800	5449	2939
23	1951 Federal Report Surplus Deficit	1377	1645	711	1689	2802	3625	4334	4914	4973	4763	4433	4714	4850	2907
24	1952 Federal Report Surplus Deficit	1522	1387	675	2614	1793	2358	3427	3555	4111	4736	4573	4807	4943	2564
25	1953 Federal Report Surplus Deficit	1037	592	112	556	928	236	299	2912	2788	2226	2630	4598	5404	2890
26	1954 Federal Report Surplus Deficit	1233	908	565	827	1157	1745	3518	4100	4193	3701	3406	4731	5113	3396
27	1955 Federal Report Surplus Deficit	1549	1710	3107	1004	1956	1306	921	-256	261	1027	2145	4246	5318	3533
28	1956 Federal Report Surplus Deficit	1321	1290	363	1181	2402	3530	4290	4960	4907	4787	4836	4859	5315	2980
29	1957 Federal Report Surplus Deficit	1317	1402	559	1112	865	1858	2020	854	3775	4521	3407	4907	5228	2440
30	1958 Federal Report Surplus Deficit	921	249	434	738	1011	565	2252	2490	3555	3424	3741	4710	5056	2218
31	1959 Federal Report Surplus Deficit	802	97.2	287	731	1679	3161	4144	4375	4245	4128	3333	4442	5379	2638
32	1960 Federal Report Surplus Deficit	1425	1688	3050	3963	3514	2989	3110	2247	3556	4918	4167	4463	4895	2356
33	1961 Federal Report Surplus Deficit	996	-53.8	220	883	940	1138	2713	3251	4185	4178	2622	4609	5216	2232
34	1962 Federal Report Surplus Deficit	791	479	101	652	966	465	2247	2401	2173	4326	4459	4598	5097	1078
35	1963 Federal Report Surplus Deficit	674	197	236	1226	1930	2825	2461	2326	2351	2165	2370	4227	4968	2497
36	1964 Federal Report Surplus Deficit	902	257	726	611	632	1088	1322	1196	1997	3858	2451	4644	5422	3297
37	1965 Federal Report Surplus Deficit	1334	1509	1316	1695	1604	3620	4458	5065	4828	3403	4539	4856	4933	2529
38	1966 Federal Report Surplus Deficit	1325	1413	137	1128	1303	1368	2077	1811	1425	4409	2837	4209	4062	2546
39	1967 Federal Report Surplus Deficit	1041	114	330	566	757	1419	3612	4362	4522	2657	686	4472	5202	2916
40	1968 Federal Report Surplus Deficit	1212	1075	573	858	1386	1372	2997	3685	3712	1743	1562	3507	4803	2684
41	1969 Federal Report Surplus Deficit	1294	1092	1762	1760	2483	2390	4173	4636	4142	4644	4401	4726	4949	2656
42	1970 Federal Report Surplus Deficit	1218	895	534	816	1154	460	2001	2160	2882	2839	1842	4396	5162	1949
43	1971 Federal Report Surplus Deficit	682	43.4	188	597	868	778	4319	4868	4936	4601	4252	4863	5274	3325
44	1972 Federal Report Surplus Deficit	1552	1694	1093	1209	1036	1704	4191	5122	5368	5061	3954	5006	5312	3275
45	1973 Federal Report Surplus Deficit	1410	1586	1646	1116	1094	1302	2161	802	1441	-762	1018	3540	3644	1457
46	1974 Federal Report Surplus Deficit	361	-1092	138	343	656	1817	4375	4696	5164	4831	4616	4900	5375	3549
47	1975 Federal Report Surplus Deficit	1439	1623	1183	550	1001	772	1993	3159	3946	2331	2647	4668	5356	3651
48	1976 Federal Report Surplus Deficit	1381	1269	1093	1974	2800	4061	4056	4541	4616	4769	4513	4892	5071	3037
49	1977 Federal Report Surplus Deficit	1712	1823	3578	1194	1028	67.5	17.2	444	886	-698	1349	2137	986	1008
50	1978 Federal Report Surplus Deficit	188	-912	-175	-439	288	2479	1675	2014	3252	4682	3260	4547	4076	2534
51	1979 Federal Report Surplus Deficit	746	73.4	1825	1299	1090	429	1200	8.12	3283	1889	2587	4697	3312	1134
52	1980 Federal Report Surplus Deficit	-59.4	-1053	142	646	961	-80.6	386	540	1258	2713	3572	4791	4816	1610
53	1981 Federal Report Surplus Deficit	596	-525	351	843	955	3202	3417	2331	2454	630	3126	4597	5190	2747
54	1982 Federal Report Surplus Deficit	1395	1634	839	807	1342	1955	3337	5050	5084	4414	3916	4830	5457	3033

Federal Report Surplus Deficit By Water Year

Operating Year 2014

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	1506	1734	2167	1838	1428	2282	3712	4224	5033	4210	3474	4689	5046	2909
56	1984 Federal Report Surplus Deficit	1362	1548	951	960	3067	2246	3224	3771	4146	4757	4388	4651	5410	3077
57	1985 Federal Report Surplus Deficit	1287	863	906	1039	1325	1323	1668	1737	2828	3760	3834	4727	4081	180
58	1986 Federal Report Surplus Deficit	-366	-2065	138	527	2169	1432	2456	3801	5110	4300	3973	4201	4899	2191
59	1987 Federal Report Surplus Deficit	900	-139	132	557	837	1461	813	-657	2444	1306	1965	4287	3602	1432
60	1988 Federal Report Surplus Deficit	-350	-2069	201	369	743	-70.0	-983	-851	629	326	2121	3558	3739	1968
61	1989 Federal Report Surplus Deficit	247	-751	540	78.0	390	718	151	120	2491	3685	4254	4490	3898	1300
62	1990 Federal Report Surplus Deficit	239	-1126	262	485	1093	1199	2594	3402	3757	3165	4496	4357	5009	2372
63	1991 Federal Report Surplus Deficit	1314	1032	307	357	2855	2635	3174	4231	3966	3886	3432	4619	4733	2883
64	1992 Federal Report Surplus Deficit	1364	1548	398	534	921	243	161	-49.2	1544	655	1407	4020	3198	1057
65	1993 Federal Report Surplus Deficit	-276	-1732	86.3	234	865	472	-1128	-1015	2204	1336	2441	4309	4235	2164
66	1994 Federal Report Surplus Deficit	662	-230	668	332	1315	420	-786	-868	950	200	1886	3902	3641	1824
67	1995 Federal Report Surplus Deficit	368	-1113	232	73.7	482	-36.4	93.4	2819	3780	3443	2418	4121	4938	2280
68	1996 Federal Report Surplus Deficit	842	105	1303	1361	3693	3860	4477	5014	5141	4375	4682	4725	5171	3136
69	1997 Federal Report Surplus Deficit	1454	1602	329	734	1208	2229	4476	4708	5385	4653	4853	4884	5363	3215
70	1998 Federal Report Surplus Deficit	1517	1718	1888	3365	2394	2019	1671	2409	2597	2015	3040	4661	5189	2519
71	1999 Federal Report Surplus Deficit	1340	171	448	671	596	1699	4025	4826	5000	3898	4173	4752	5410	3253
72	2000 Federal Report Surplus Deficit	1646	1796	1348	937	3174	2860	2705	2962	3728	4478	4462	4420	4126	2316
73	2001 Federal Report Surplus Deficit	1162	-670	234	700	914	194	76.1	255	725	-297	1280	3281	742	1418
74	2002 Federal Report Surplus Deficit	46.1	-1074	-110	-530	417	66.8	-428	346	1339	3741	4071	4015	5008	2990
75	2003 Federal Report Surplus Deficit	1308	833	553	345	1205	418	-591	-244	3410	3044	2667	3869	4911	1439
76	2004 Federal Report Surplus Deficit	83.0	-1679	5.91	680	1108	1070	117	-350	1505	2326	2763	4148	4095	1619
77	2005 Federal Report Surplus Deficit	224	-579	592	972	1069	1731	1781	1135	1967	603	1869	4058	4334	1835
78	2006 Federal Report Surplus Deficit	749	-681	558	307	1054	1065	2937	3341	3703	4780	4516	4792	4929	2334
79	2007 Federal Report Surplus Deficit	667	-145	266	434	1135	953	2668	1397	4536	3774	3143	4413	3935	2495
80	2008 Federal Report Surplus Deficit	656	-1265	6.07	645	927	403	768	160	2752	2265	1321	4789	5435	2740

Ranked Averages

81	**Bottom 10 pct**	**-101**	**-1532**	**93.5**	**408**	**970**	**534**	**492**	**768**	**2183**	**2476**	**3017**	**4172**	**4458**	**2144**
82	**Middle 80 pct**	**917**	**281**	**579**	**827**	**1265**	**1399**	**1982**	**2160**	**3128**	**2962**	**3042**	**4398**	**4498**	**2277**
83	**Top 10 pct**	**1557**	**1683**	**1773**	**1612**	**1752**	**1853**	**2640**	**2896**	**3421**	**3185**	**3481**	**4356**	**4536**	**2667**

Federal Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1557	1142	602	604	600	-16.0	-131	-41.1	685	-378	1330	2079	2736	189
2	1930 Federal Report Surplus Deficit	874	-503	942	530	597	72.8	-1048	130	783	273	1849	2284	131	1847
3	1931 Federal Report Surplus Deficit	1112	-329	655	444	755	77.9	-1450	-1294	587	756	9.32	2849	1470	1411
4	1932 Federal Report Surplus Deficit	1088	-78.4	206	12.9	34.5	10.8	-1806	-1545	2521	4374	4062	4072	4414	1903
5	1933 Federal Report Surplus Deficit	1747	613	1465	632	112	704	2396	3035	3306	2996	2634	3785	4718	3170
6	1934 Federal Report Surplus Deficit	1820	2189	1032	1453	3036	3778	4084	4373	4218	4521	4173	3593	3197	1948
7	1935 Federal Report Surplus Deficit	855	-161	359	582	-21.8	1087	2067	2635	3304	2000	1969	3469	3124	2589
8	1936 Federal Report Surplus Deficit	1835	322	395	433	464	37.7	-706	-743	1078	1201	3754	3722	3910	1610
9	1937 Federal Report Surplus Deficit	1138	-279	291	415	753	48.6	-891	-1125	615	225	129	2902	1797	1265
10	1938 Federal Report Surplus Deficit	605	-757	903	625	160	1466	1563	1852	3932	3739	4384	3888	4114	2338
11	1939 Federal Report Surplus Deficit	1174	334	961	700	417	-6.58	471	735	2181	2309	3045	3634	1592	1464
12	1940 Federal Report Surplus Deficit	516	-1016	264	794	840	1386	336	-220	4001	2779	2250	3336	2130	1395
13	1941 Federal Report Surplus Deficit	399	-955	538	612	389	1203	-427	-179	1025	307	911	2762	1867	1806
14	1942 Federal Report Surplus Deficit	784	-56.1	1306	453	1047	1579	1575	1174	2450	1330	2611	3039	3492	2710
15	1943 Federal Report Surplus Deficit	1540	794	1713	716	-16.1	865	2400	3374	3815	4573	4463	3742	4632	2423
16	1944 Federal Report Surplus Deficit	1454	916	675	285	571	-84.4	-88.9	34.9	633	-352	1324	1553	-4.29	991
17	1945 Federal Report Surplus Deficit	656	-545	453	614	542	-122	-1204	-342	823	-285	-1610	3583	3904	717
18	1946 Federal Report Surplus Deficit	1386	32.0	965	383	367	1353	1635	2151	3403	3906	4401	3977	4166	2611
19	1947 Federal Report Surplus Deficit	1893	1400	1116	260	629	3306	3416	3916	4228	3365	2953	3858	4078	2709
20	1948 Federal Report Surplus Deficit	1434	464	858	2908	2071	2289	3504	3164	3100	3256	4168	4096	4409	3024
21	1949 Federal Report Surplus Deficit	2089	2221	1408	629	520	922	1629	1272	4228	3942	4122	3898	4052	816
22	1950 Federal Report Surplus Deficit	398	-810	281	445	484	965	3328	4091	4532	4525	3853	4020	4631	2963
23	1951 Federal Report Surplus Deficit	2020	2237	1114	1398	2373	3411	4078	4763	4695	4480	4202	3906	3934	2967
24	1952 Federal Report Surplus Deficit	2166	1870	1075	2380	1381	2301	3140	3136	3828	4490	4444	3983	4180	2503
25	1953 Federal Report Surplus Deficit	1605	880	278	277	309	101	1772	1760	2723	2072	2363	3805	4581	2899
26	1954 Federal Report Surplus Deficit	1812	1253	947	514	764	1738	2970	3739	3887	3506	3263	3914	4331	3332
27	1955 Federal Report Surplus Deficit	2211	2332	3411	709	1540	1322	731	490	1135	1413	1979	3441	4513	3466
28	1956 Federal Report Surplus Deficit	1956	1746	709	896	1976	3326	3984	4705	4632	4519	4621	4032	4507	3002
29	1957 Federal Report Surplus Deficit	1943	1902	939	804	481	1839	1902	934	3420	4376	2972	3997	4450	2531
30	1958 Federal Report Surplus Deficit	1434	508	797	525	628	551	2189	2384	3230	3290	3584	3873	4231	2115
31	1959 Federal Report Surplus Deficit	1303	356	626	656	1082	3005	3833	4138	3955	3950	3182	3672	4574	2572
32	1960 Federal Report Surplus Deficit	2053	2299	3355	3783	3099	2835	2830	1906	3281	4707	3957	3695	4139	2424
33	1961 Federal Report Surplus Deficit	1526	203	532	601	503	1162	2454	3349	3824	3657	2438	3828	4418	2324
34	1962 Federal Report Surplus Deficit	1281	755	420	389	585	564	2009	2259	1532	4293	4188	3809	4296	1080
35	1963 Federal Report Surplus Deficit	1167	455	531	1005	1453	2721	2783	2527	2906	1887	2096	3521	3739	2477
36	1964 Federal Report Surplus Deficit	1438	529	1134	347	265	1057	1104	836	1597	3727	2245	3866	4618	3285
37	1965 Federal Report Surplus Deficit	1961	2089	1752	1423	1197	3402	4216	4800	4539	3108	4335	4040	4166	2724
38	1966 Federal Report Surplus Deficit	1956	1954	475	833	896	1380	1845	1545	1627	4209	2785	3205	3379	2539
39	1967 Federal Report Surplus Deficit	1588	376	687	308	381	1367	3481	3972	4083	2506	634	3647	4445	2957
40	1968 Federal Report Surplus Deficit	1792	1462	969	551	984	1385	3036	2967	3553	1592	1384	2706	4020	2658
41	1969 Federal Report Surplus Deficit	1899	1530	2173	1495	2055	2329	3861	4374	3875	4292	4093	3946	4183	2693
42	1970 Federal Report Surplus Deficit	1802	1231	902	572	769	448	2171	2207	2773	2705	1104	3520	4356	2077
43	1971 Federal Report Surplus Deficit	1153	305	511	297	490	729	3996	4590	4701	4358	4100	4097	4507	3255
44	1972 Federal Report Surplus Deficit	2199	2297	1524	901	648	1709	3877	4867	5093	4807	3704	4198	4508	3243
45	1973 Federal Report Surplus Deficit	2059	2197	2071	814	702	1324	2082	1114	1122	-956	831	2748	1762	1338
46	1974 Federal Report Surplus Deficit	770	-740	510	490	54.0	2474	4171	4363	4966	4447	4272	4095	4571	3487
47	1975 Federal Report Surplus Deficit	2094	2239	1615	203	618	806	1719	2965	3562	2178	2484	3837	4566	3615
48	1976 Federal Report Surplus Deficit	2017	1737	1526	1710	2370	3771	3746	4295	4348	4564	4304	4091	4233	3121
49	1977 Federal Report Surplus Deficit	2400	2442	3870	905	643	-146	-199	180	942	-954	1169	1391	-1014	986
50	1978 Federal Report Surplus Deficit	575	-583	72.0	-1.15	-33.9	2070	1878	2454	3230	4472	3087	3742	3406	2751
51	1979 Federal Report Surplus Deficit	1239	332	2227	1014	706	592	1468	-129	3002	1735	2430	3804	2342	733
52	1980 Federal Report Surplus Deficit	270	-683	401	504	574	-307	851	627	1005	2594	3434	3982	4041	1605
53	1981 Federal Report Surplus Deficit	1073	-247	728	647	573	2966	3081	3232	3196	541	2500	3557	4380	2725
54	1982 Federal Report Surplus Deficit	2005	2218	1256	554	902	1929	3054	4826	4923	4270	3745	4031	4666	3139

Federal Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2147	2353	2559	1568	1028	2235	3401	4036	4777	4013	3057	3847	4176	3067
56	1984 Federal Report Surplus Deficit	2000	2148	1377	662	2638	2202	2920	3619	3864	4552	4078	3905	4605	3051
57	1985 Federal Report Surplus Deficit	1871	1184	1329	735	928	1343	1426	1447	2524	3587	3613	3927	3175	51.5
58	1986 Federal Report Surplus Deficit	116	-1443	422	1239	1879	1353	2168	3555	4820	4097	3789	3443	4128	2195
59	1987 Federal Report Surplus Deficit	1405	128	465	267	453	1476	1155	-344	2698	1154	1796	3248	2841	1150
60	1988 Federal Report Surplus Deficit	79.0	-1475	527	342	450	-334	-816	-1068	972	580	1986	2788	1984	2064
61	1989 Federal Report Surplus Deficit	639	-431	923	332	204	1160	-238	-160	2453	3562	4073	3745	3225	780
62	1990 Federal Report Surplus Deficit	643	-739	577	450	839	1715	2450	2880	3448	2876	4290	3619	4258	2269
63	1991 Federal Report Surplus Deficit	1908	1405	639	86.4	2411	2562	3176	3566	3619	3693	2963	3863	4086	2907
64	1992 Federal Report Surplus Deficit	1973	2104	752	218	538	327	694	-244	2633	531	1175	2569	1108	1037
65	1993 Federal Report Surplus Deficit	129	-1256	452	450	489	505	-794	-1227	1929	1135	2257	3479	3552	1822
66	1994 Federal Report Surplus Deficit	1125	46.4	1048	353	926	367	-703	-185	718	-26.3	1682	3109	2721	1709
67	1995 Federal Report Surplus Deficit	776	-750	617	241	118	566	11.2	3310	3937	2330	1862	3267	4090	2399
68	1996 Federal Report Surplus Deficit	1342	363	1739	1772	3287	3629	4239	4749	4928	4119	4403	3898	4393	3114
69	1997 Federal Report Surplus Deficit	2090	2179	654	420	813	2186	4222	4415	5186	4384	4606	4065	4547	3197
70	1998 Federal Report Surplus Deficit	2164	2337	2302	3175	1968	2004	1544	2409	2437	1618	2554	3706	4344	2551
71	1999 Federal Report Surplus Deficit	1927	432	802	410	162	1753	3758	4552	4850	3685	3781	3960	4614	3238
72	2000 Federal Report Surplus Deficit	2306	2414	1781	711	2694	2756	2465	2827	3389	4257	4236	3547	3540	2466
73	2001 Federal Report Surplus Deficit	1723	-354	555	459	531	-21.0	-157	-6.50	983	-551	1392	2394	-1429	1163
74	2002 Federal Report Surplus Deficit	405	-704	59.1	-92.8	106	800	-239	295	1621	2955	3894	3251	4225	2971
75	2003 Federal Report Surplus Deficit	1882	1140	926	35.8	816	201	-660	-212	3449	2883	2510	3097	4160	976
76	2004 Federal Report Surplus Deficit	426	-1157	240	585	653	1672	-63.3	-572	2699	2270	2116	3232	3386	875
77	2005 Federal Report Surplus Deficit	617	-283	1005	722	678	1731	1551	1653	1755	446	1703	3271	3493	1586
78	2006 Federal Report Surplus Deficit	1206	-348	928	497	670	1160	2667	3071	3446	4465	4287	4002	4191	2178
79	2007 Federal Report Surplus Deficit	1116	118	587	76.7	881	1259	2514	1432	4252	3597	2952	3613	3220	2488
80	2008 Federal Report Surplus Deficit	1110	-846	174	593	490	720	706	934	1937	2220	924	3954	4634	2744
	Ranked Averages														
81	**Bottom 10 pct**	**278**	**-1061**	**365**	**511**	**628**	**732**	**501**	**690**	**2325**	**2308**	**2780**	**3370**	**3477**	**2038**
82	**Middle 80 pct**	**1443**	**643**	**920**	**683**	**882**	**1431**	**1898**	**2108**	**3065**	**2787**	**2857**	**3563**	**3597**	**2193**
83	**Top 10 pct**	**2211**	**2286**	**2267**	**1319**	**1315**	**1623**	**2085**	**2614**	**3145**	**2728**	**2953**	**3494**	**3602**	**2737**

Federal Report Surplus Deficit By Water Year

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

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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	1396	1249	482	574	634	-38.3	-182	127	756	-268	1477	2917	3554	168
2	1930 Federal Report Surplus Deficit	728	-142	528	500	631	50.6	-1100	298	854	383	1997	3122	946	1828
3	1931 Federal Report Surplus Deficit	995	-268	-70.4	414	789	55.8	-1503	-1127	658	867	155	3688	2287	1392
4	1932 Federal Report Surplus Deficit	1068	-556	88.3	-17.7	68.1	-11.5	-1859	-1379	2594	4477	4201	4889	5209	1884
5	1933 Federal Report Surplus Deficit	1643	842	865	602	146	682	2348	3207	3380	3110	2783	4627	5528	3154
6	1934 Federal Report Surplus Deficit	1783	2181	802	1424	3073	3760	4038	4546	4291	4629	4316	4431	4013	1929
7	1935 Federal Report Surplus Deficit	595	-384	-143	552	11.8	1066	2019	2806	3379	2112	2116	4304	3941	2570
8	1936 Federal Report Surplus Deficit	1860	699	299	403	498	15.5	-758	-577	1150	1307	3902	4604	4742	1580
9	1937 Federal Report Surplus Deficit	1123	-362	150	385	787	26.4	-943	-959	686	335	274	3741	2614	1245
10	1938 Federal Report Surplus Deficit	860	-505	65.8	595	194	1445	1515	2023	4006	3834	4525	4747	4912	2308
11	1939 Federal Report Surplus Deficit	1112	-22.9	728	670	451	-28.8	421	904	2254	2419	3192	4501	2407	1444
12	1940 Federal Report Surplus Deficit	429	-625	68.5	765	875	1366	286	-52.1	4074	2891	2397	4173	2947	1375
13	1941 Federal Report Surplus Deficit	705	-770	-137	582	424	1182	-478	-11.3	1096	418	1058	3604	2685	1787
14	1942 Federal Report Surplus Deficit	816	-433	-4.45	423	1082	1559	1526	1344	2523	1438	2756	3872	4298	2692
15	1943 Federal Report Surplus Deficit	1515	658	1186	687	17.5	844	2352	3547	3889	4646	4572	4634	5476	2406
16	1944 Federal Report Surplus Deficit	1483	834	412	254	605	-107	-140	203	704	-244	1470	2390	810	971
17	1945 Federal Report Surplus Deficit	444	-753	-492	584	577	-145	-1257	-175	894	-176	-1467	4444	4727	829
18	1946 Federal Report Surplus Deficit	1246	160	353	353	401	1333	1586	2321	3476	3982	4534	4804	4947	2593
19	1947 Federal Report Surplus Deficit	1840	1352	801	229	664	3288	3369	4089	4301	3475	3096	4708	4907	2692
20	1948 Federal Report Surplus Deficit	1539	483	705	2881	2107	2270	3458	3336	3174	3345	4305	4963	5234	3001
21	1949 Federal Report Surplus Deficit	1921	2270	1657	599	555	901	1580	1441	4301	4025	4250	4744	4851	796
22	1950 Federal Report Surplus Deficit	426	-771	-39.1	415	518	944	3282	4264	4594	4634	3996	4888	5453	2947
23	1951 Federal Report Surplus Deficit	2038	2143	899	1370	2409	3393	4032	4936	4760	4575	4334	4751	4740	2950
24	1952 Federal Report Surplus Deficit	2025	2056	857	2353	1417	2281	3094	3308	3901	4563	4571	4827	4971	2485
25	1953 Federal Report Surplus Deficit	1419	369	43.7	247	343	78.6	1724	1931	2797	2183	2511	4648	5392	2882
26	1954 Federal Report Surplus Deficit	1555	1001	736	484	799	1718	2923	3912	3962	3617	3409	4766	5129	3335
27	1955 Federal Report Surplus Deficit	2197	2348	3289	679	1575	1301	682	659	1206	1525	2127	4281	5298	3444
28	1956 Federal Report Surplus Deficit	1884	1802	492	866	2012	3308	3938	4879	4697	4600	4762	4884	5295	2987
29	1957 Federal Report Surplus Deficit	1912	1905	730	774	515	1820	1853	1103	3495	4486	3111	4838	5245	2513
30	1958 Federal Report Surplus Deficit	1554	278	536	495	662	529	2141	2555	3304	3395	3727	4733	5048	2096
31	1959 Federal Report Surplus Deficit	1031	462	485	626	1117	2987	3787	4311	4029	4054	3317	4497	5348	2553
32	1960 Federal Report Surplus Deficit	2025	2295	3235	3757	3137	2816	2783	2077	3355	4809	4083	4528	4949	2406
33	1961 Federal Report Surplus Deficit	1596	272	415	571	537	1141	2406	3521	3899	3771	2587	4678	5227	2305
34	1962 Federal Report Surplus Deficit	1517	657	245	359	619	543	1961	2430	1604	4345	4284	4644	5101	1059
35	1963 Federal Report Surplus Deficit	1225	308	347	976	1488	2702	2736	2698	2979	1999	2244	4349	4548	2454
36	1964 Federal Report Surplus Deficit	1425	522	920	317	299	1036	1055	1005	1669	3841	2391	4702	5441	3278
37	1965 Federal Report Surplus Deficit	1934	2080	1517	1395	1232	3384	4170	4974	4611	3205	4481	4891	4974	2703
38	1966 Federal Report Surplus Deficit	1928	1937	281	804	931	1359	1796	1715	1699	4322	2929	4051	4199	2521
39	1967 Federal Report Surplus Deficit	1734	397	523	278	415	1346	3435	4145	4155	2619	780	4489	5223	2936
40	1968 Federal Report Surplus Deficit	1850	1483	754	521	1018	1365	2989	3138	3626	1704	1530	3539	4823	2660
41	1969 Federal Report Surplus Deficit	1886	1538	1979	1466	2091	2310	3816	4547	3950	4344	4189	4808	4981	2675
42	1970 Federal Report Surplus Deficit	1689	1290	719	542	803	426	2124	2378	2846	2818	1251	4359	5163	2058
43	1971 Federal Report Surplus Deficit	794	-117	379	267	524	708	3950	4764	4755	4430	4212	4943	5313	3245
44	1972 Federal Report Surplus Deficit	2179	2292	1300	872	683	1689	3831	5040	5181	4930	3868	5078	5339	3228
45	1973 Federal Report Surplus Deficit	2039	2197	1868	784	737	1303	2034	1284	1193	-847	978	3585	2579	1318
46	1974 Federal Report Surplus Deficit	868	-790	-139	461	87.6	2455	4126	4536	4995	4611	4463	4972	5391	3492
47	1975 Federal Report Surplus Deficit	2009	2232	1675	173	653	785	1671	3136	3635	2286	2629	4713	5356	3604
48	1976 Federal Report Surplus Deficit	2023	1851	1288	1681	2407	3753	3700	4468	4419	4666	4442	4948	5040	3100
49	1977 Federal Report Surplus Deficit	2401	2498	3755	875	677	-168	-250	349	1013	-845	1316	2228	-200	966
50	1978 Federal Report Surplus Deficit	615	-981	-834	-31.7	-0.35	2050	1829	2625	3303	4573	3214	4591	4221	2733
51	1979 Federal Report Surplus Deficit	1232	297	1437	985	740	571	1419	38.9	3076	1847	2579	4650	3160	713
52	1980 Federal Report Surplus Deficit	327	-605	421	474	608	-329	801	796	1076	2711	3586	4844	4855	1601
53	1981 Federal Report Surplus Deficit	956	-454	559	617	607	2948	3035	3404	3269	650	2648	4391	5174	2707
54	1982 Federal Report Surplus Deficit	1975	2207	1238	524	937	1909	3007	5000	4986	4357	3862	4849	5457	3121

Federal Report Surplus Deficit By Water Year

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2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2123	2357	2375	1540	1062	2215	3355	4209	4841	4137	3218	4708	4975	3055
56	1984 Federal Report Surplus Deficit	1970	2228	1140	633	2675	2183	2873	3791	3938	4648	4207	4728	5374	3031
57	1985 Federal Report Surplus Deficit	2131	1627	1136	706	963	1322	1378	1617	2597	3697	3760	4796	3992	30.2
58	1986 Federal Report Surplus Deficit	38.0	-1091	180	1210	1915	1333	2120	3728	4942	4219	3946	4286	4947	2176
59	1987 Federal Report Surplus Deficit	1393	59.6	310	237	487	1456	1106	-176	2771	1264	1944	4086	3658	1130
60	1988 Federal Report Surplus Deficit	195	-1066	-44.0	312	484	-356	-868	-901	1043	691	2134	3626	2802	2045
61	1989 Federal Report Surplus Deficit	945	-272	15.3	302	238	1140	-289	7.53	2526	3656	4212	4580	4042	760
62	1990 Federal Report Surplus Deficit	527	-360	273	420	873	1695	2403	3052	3523	2982	4438	4460	5073	2251
63	1991 Federal Report Surplus Deficit	1797	1311	443	56.0	2447	2543	3129	3739	3694	3807	3111	4701	4900	2888
64	1992 Federal Report Surplus Deficit	1943	2097	579	188	572	305	644	-76.6	2706	641	1322	3407	1924	1017
65	1993 Federal Report Surplus Deficit	292	-1049	-539	420	524	484	-846	-1061	2001	1247	2407	4328	4373	1803
66	1994 Federal Report Surplus Deficit	1243	382	411	323	961	345	-754	-17.0	789	83.6	1830	3949	3540	1690
67	1995 Federal Report Surplus Deficit	796	-668	-8.64	211	152	545	-39.3	3482	4008	2441	2008	4103	4903	2381
68	1996 Federal Report Surplus Deficit	1247	297	897	1744	3325	3611	4194	4923	4962	4207	4539	4745	5194	3101
69	1997 Federal Report Surplus Deficit	2019	2201	631	390	847	2167	4177	4589	5239	4511	4762	4918	5333	3188
70	1998 Federal Report Surplus Deficit	2138	2365	2140	3149	2004	1984	1496	2580	2511	1723	2697	4598	5153	2533
71	1999 Federal Report Surplus Deficit	2037	1291	601	380	196	1733	3712	4726	4920	3780	3912	4794	5376	3206
72	2000 Federal Report Surplus Deficit	2230	2411	1617	682	2731	2737	2417	2999	3463	4363	4380	4372	4352	2448
73	2001 Federal Report Surplus Deficit	1703	-537	385	429	565	-43.3	-208	161	1055	-441	1539	3232	-616	1143
74	2002 Federal Report Surplus Deficit	420	-895	-808	-124	140	779	-290	463	1693	3066	4042	4088	5022	2953
75	2003 Federal Report Surplus Deficit	1749	734	497	5.28	851	179	-712	-44.7	3524	2996	2659	3929	4975	956
76	2004 Federal Report Surplus Deficit	145	-982	-192	556	688	1652	-114	-405	2773	2383	2264	4070	4205	854
77	2005 Federal Report Surplus Deficit	347	-452	1418	692	713	1711	1503	1823	1827	557	1851	4108	4305	1566
78	2006 Federal Report Surplus Deficit	1235	-186	483	467	705	1139	2620	3243	3518	4548	4410	4797	4929	2159
79	2007 Federal Report Surplus Deficit	1531	-658	134	46.3	916	1239	2467	1602	4325	3710	3099	4442	4038	2470
80	2008 Federal Report Surplus Deficit	977	-554	-307	564	524	699	656	1103	2009	2333	1070	4807	5443	2726
	Ranked Averages														
81	**Bottom 10 pct**	**274**	**-864**	**49.8**	**494**	**698**	**777**	**699**	**1088**	**2494**	**2438**	**3028**	**4280**	**4495**	**1993**
82	**Middle 80 pct**	**1420**	**630**	**565**	**668**	**918**	**1409**	**1840**	**2305**	**3183**	**2951**	**3024**	**4416**	**4438**	**2255**
83	**Top 10 pct**	**2180**	**2262**	**2185**	**1161**	**1304**	**1548**	**1868**	**2342**	**2751**	**2335**	**2793**	**4206**	**3936**	**2128**

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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	1434	1353	444	466	537	-175	-346	-169	643	-398	1374	2023	2687	98.5
2	1930 Federal Report Surplus Deficit	765	-39.9	490	391	534	-86.1	-1264	2.81	741	253	1895	2228	79.9	1759
3	1931 Federal Report Surplus Deficit	1032	-166	-108	305	692	-80.9	-1667	-1423	545	736	52.3	2795	1420	1322
4	1932 Federal Report Surplus Deficit	1106	-454	49.9	-126	-29.4	-148	-2023	-1675	2481	4337	4089	4012	4353	1815
5	1933 Federal Report Surplus Deficit	1681	945	827	493	48.6	546	2184	2911	3266	2977	2678	3726	4649	3081
6	1934 Federal Report Surplus Deficit	1812	2276	764	1316	2976	3624	3874	4251	4177	4499	4213	3542	3150	1859
7	1935 Federal Report Surplus Deficit	632	-282	-181	444	-85.7	929	1855	2510	3265	1982	2014	3403	3072	2501
8	1936 Federal Report Surplus Deficit	1890	802	261	295	400	-121	-922	-872	1037	1176	3799	3723	3880	1510
9	1937 Federal Report Surplus Deficit	1161	-260	112	277	690	-110	-1107	-1254	573	204	171	2843	1747	1175
10	1938 Federal Report Surplus Deficit	898	-403	27.6	486	96.1	1309	1351	1727	3891	3684	4412	3821	4050	2240
11	1939 Federal Report Surplus Deficit	1149	79.4	691	562	354	-166	257	608	2141	2287	3088	3591	1542	1374
12	1940 Federal Report Surplus Deficit	465	-523	30.6	656	777	1229	122	-348	3959	2759	2293	3281	2080	1305
13	1941 Federal Report Surplus Deficit	741	-668	-175	474	326	1046	-642	-307	983	288	956	2712	1818	1718
14	1942 Federal Report Surplus Deficit	853	-331	-42.7	314	984	1422	1362	1048	2409	1306	2653	2971	3436	2622
15	1943 Federal Report Surplus Deficit	1553	761	1149	578	-80.0	707	2188	3251	3774	4495	4455	3706	4601	2336
16	1944 Federal Report Surplus Deficit	1521	937	374	146	508	-243	-304	-92.8	591	-373	1369	1497	-55.8	901
17	1945 Federal Report Surplus Deficit	481	-652	-531	476	479	-281	-1421	-470	781	-307	-1569	3545	3867	743
18	1946 Federal Report Surplus Deficit	1283	262	315	245	304	1196	1422	2026	3363	3875	4442	3935	4119	2524
19	1947 Federal Report Surplus Deficit	1870	1456	764	121	566	3151	3205	3793	4183	3336	2979	3800	4027	2621
20	1948 Federal Report Surplus Deficit	1577	586	668	2773	2010	2133	3293	3041	3061	3214	4202	4073	4398	2935
21	1949 Federal Report Surplus Deficit	1949	2366	1621	491	457	764	1416	1145	4184	3896	4149	3849	4005	726
22	1950 Federal Report Surplus Deficit	462	-669	-77.5	306	420	807	3117	3968	4477	4493	3879	3970	4602	2876
23	1951 Federal Report Surplus Deficit	2065	2248	861	1261	2312	3256	3868	4641	4642	4444	4231	3863	3892	2880
24	1952 Federal Report Surplus Deficit	2054	2161	820	2244	1319	2145	2929	3012	3786	4427	4465	3944	4116	2415
25	1953 Federal Report Surplus Deficit	1457	472	5.49	138	246	-58.1	1560	1635	2683	2051	2405	3757	4582	2811
26	1954 Federal Report Surplus Deficit	1593	1104	699	376	701	1581	2759	3616	3848	3481	3301	3869	4291	3270
27	1955 Federal Report Surplus Deficit	2223	2446	3255	570	1478	1164	517	363	1093	1394	2025	3386	4462	3370
28	1956 Federal Report Surplus Deficit	1912	1907	454	758	1915	3171	3774	4583	4573	4494	4660	3997	4472	2915
29	1957 Federal Report Surplus Deficit	1940	2010	693	666	418	1683	1689	808	3378	4346	2992	3957	4408	2443
30	1958 Federal Report Surplus Deficit	1592	381	499	386	564	392	1977	2259	3189	3255	3616	3839	4207	2026
31	1959 Federal Report Surplus Deficit	1068	565	447	518	1020	2850	3623	4015	3914	3917	3206	3603	4501	2484
32	1960 Federal Report Surplus Deficit	2054	2391	3201	3648	3039	2679	2619	1781	3242	4668	3962	3635	4084	2336
33	1961 Federal Report Surplus Deficit	1634	375	377	462	439	1005	2242	3226	3786	3640	2484	3771	4372	2236
34	1962 Federal Report Surplus Deficit	1555	760	207	250	522	406	1796	2134	1490	4271	4230	3754	4249	990
35	1963 Federal Report Surplus Deficit	1263	411	308	867	1391	2565	2571	2402	2866	1867	2141	3442	3686	2394
36	1964 Federal Report Surplus Deficit	1463	625	883	208	202	899	891	709	1556	3706	2283	3804	4570	3198
37	1965 Federal Report Surplus Deficit	1962	2175	1481	1286	1134	3248	4006	4678	4494	3069	4377	3990	4113	2633
38	1966 Federal Report Surplus Deficit	1957	2042	244	695	833	1223	1632	1419	1586	4185	2814	3157	3335	2451
39	1967 Federal Report Surplus Deficit	1764	500	485	169	318	1209	3271	3849	4038	2487	675	3571	4384	2869
40	1968 Federal Report Surplus Deficit	1880	1587	717	412	921	1228	2825	2843	3512	1572	1427	2649	3972	2569
41	1969 Federal Report Surplus Deficit	1915	1642	1944	1357	1994	2173	3651	4252	3836	4245	4114	3942	4153	2606
42	1970 Federal Report Surplus Deficit	1719	1394	681	433	706	290	1959	2082	2731	2687	1146	3461	4321	2073
43	1971 Federal Report Surplus Deficit	831	-14.3	341	158	426	571	3786	4468	4629	4287	4098	4074	4476	3179
44	1972 Federal Report Surplus Deficit	2206	2388	1263	763	585	1552	3667	4745	5037	4779	3728	4150	4526	3161
45	1973 Federal Report Surplus Deficit	2065	2294	1832	676	639	1166	1870	988	1080	-978	875	2693	1712	1248
46	1974 Federal Report Surplus Deficit	905	-689	-177	352	-9.83	2318	3962	4241	4902	4470	4352	4086	4547	3421
47	1975 Federal Report Surplus Deficit	2036	2329	1639	64.3	555	648	1507	2841	3523	2152	2522	3810	4520	3528
48	1976 Federal Report Surplus Deficit	2050	1956	1252	1573	2309	3617	3536	4173	4302	4538	4342	4060	4189	3033
49	1977 Federal Report Surplus Deficit	2424	2598	3721	766	580	-305	-414	52.9	900	-975	1214	1335	-1066	896
50	1978 Federal Report Surplus Deficit	652	-879	-873	-140	-97.8	1913	1665	2329	3190	4436	3100	3702	3357	2664
51	1979 Federal Report Surplus Deficit	1269	400	1401	876	643	434	1255	-257	2962	1716	2476	3743	2292	643
52	1980 Federal Report Surplus Deficit	363	-504	383	366	510	-466	637	500	963	2571	3477	3946	3997	1510
53	1981 Federal Report Surplus Deficit	994	-352	522	508	510	2811	2871	3108	3157	521	2546	3496	4331	2636
54	1982 Federal Report Surplus Deficit	2005	2302	1201	416	839	1773	2843	4705	4866	4230	3764	3979	4616	3051

Federal Report Surplus Deficit By Water Year

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2150	2454	2340	1431	965	2079	3191	3913	4684	3985	3087	3807	4103	2983
56	1984 Federal Report Surplus Deficit	1998	2325	1103	524	2578	2046	2709	3496	3824	4529	4117	3841	4547	2960
57	1985 Federal Report Surplus Deficit	2159	1731	1099	597	866	1185	1213	1321	2484	3568	3658	3890	3124	-39.6
58	1986 Federal Report Surplus Deficit	74.2	-990	142	1101	1817	1196	1956	3432	4756	4072	3827	3386	4083	2024
59	1987 Federal Report Surplus Deficit	1430	162	272	128	390	1319	942	-472	2658	1135	1842	3190	2793	1060
60	1988 Federal Report Surplus Deficit	231	-965	-82.5	204	387	-493	-1032	-1197	930	561	2032	2734	1936	1975
61	1989 Federal Report Surplus Deficit	982	-170	-23.1	193	141	1003	-453	-288	2412	3533	4114	3688	3176	690
62	1990 Federal Report Surplus Deficit	563	-258	235	311	776	1558	2239	2756	3409	2849	4335	3566	4213	2181
63	1991 Federal Report Surplus Deficit	1827	1415	405	-52.7	2350	2406	2965	3443	3580	3670	3000	3803	4037	2819
64	1992 Federal Report Surplus Deficit	1972	2191	541	79.4	474	168	480	-372	2593	510	1218	2515	1058	948
65	1993 Federal Report Surplus Deficit	329	-948	-577	311	426	347	-1010	-1356	1888	1115	2303	3421	3505	1733
66	1994 Federal Report Surplus Deficit	1280	484	373	214	863	208	-918	-313	676	-46.6	1728	3056	2674	1620
67	1995 Federal Report Surplus Deficit	833	-567	-46.5	102	54.1	408	-204	3187	3888	2309	1903	3210	4047	2311
68	1996 Federal Report Surplus Deficit	1285	399	859	1635	3227	3475	4030	4628	4834	4027	4423	3863	4345	3025
69	1997 Federal Report Surplus Deficit	2048	2296	594	281	750	2030	4013	4293	5109	4380	4660	4029	4502	3118
70	1998 Federal Report Surplus Deficit	2165	2462	2105	3040	1906	1847	1332	2284	2397	1591	2592	3662	4282	2462
71	1999 Federal Report Surplus Deficit	2066	1395	563	271	98.7	1596	3548	4430	4804	3640	3800	3904	4575	3150
72	2000 Federal Report Surplus Deficit	2257	2508	1581	573	2633	2600	2253	2703	3350	4231	4277	3487	3486	2378
73	2001 Federal Report Surplus Deficit	1733	-435	348	320	468	-180	-372	-134	942	-572	1437	2338	-1483	1073
74	2002 Federal Report Surplus Deficit	456	-794	-847	-232	42.2	642	-454	167	1580	2930	3937	3196	4168	2884
75	2003 Federal Report Surplus Deficit	1787	837	459	-103	753	42.4	-876	-340	3410	2865	2555	3032	4108	886
76	2004 Federal Report Surplus Deficit	182	-881	-230	447	590	1515	-278	-700	2660	2251	2160	3177	3338	787
77	2005 Federal Report Surplus Deficit	384	-350	1382	584	615	1574	1339	1528	1714	426	1748	3221	3448	1496
78	2006 Federal Report Surplus Deficit	1272	-84.2	445	358	607	1002	2455	2947	3404	4437	4324	3967	4130	2001
79	2007 Federal Report Surplus Deficit	1569	-556	96.3	-62.4	819	1102	2303	1306	4210	3578	2995	3536	3172	2400
80	2008 Federal Report Surplus Deficit	1015	-453	-346	455	427	562	492	807	1896	2201	966	3905	4592	2656

Ranked Averages

81	**Bottom 10 pct**	**310**	**-762**	**11.6**	**386**	**601**	**640**	**534**	**793**	**2371**	**2302**	**2920**	**3381**	**3635**	**1911**
82	**Middle 80 pct**	**1455**	**746**	**547**	**565**	**829**	**1265**	**1650**	**1956**	**3010**	**2747**	**2874**	**3504**	**3540**	**2155**
83	**Top 10 pct**	**2206**	**2248**	**1991**	**1002**	**1139**	**1465**	**1913**	**2477**	**3094**	**2777**	**3048**	**3453**	**3436**	**2295**

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

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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	1341	1300	234	316	366	-407	-461	-326	442	-748	1055	2806	3341	65.8
2	1930 Federal Report Surplus Deficit	672	-92.6	280	242	362	-318	-1379	-154	540	-96.5	1576	3011	733	1727
3	1931 Federal Report Surplus Deficit	939	-219	-319	156	520	-313	-1782	-1581	344	387	-268	3578	2074	1290
4	1932 Federal Report Surplus Deficit	1012	-507	-161	-276	-201	-381	-2138	-1833	2281	3993	3775	4814	4993	1783
5	1933 Federal Report Surplus Deficit	1588	892	617	344	-123	314	2071	2756	3066	2630	2361	4510	5279	3050
6	1934 Federal Report Surplus Deficit	1719	2223	554	1167	2806	3393	3762	4096	3977	4149	3893	4312	3801	1827
7	1935 Federal Report Surplus Deficit	539	-335	-392	294	-258	697	1742	2355	3066	1633	1695	4194	3730	2469
8	1936 Federal Report Surplus Deficit	1796	749	50.5	145	229	-353	-1037	-1030	836	826	3481	4483	4496	1477
9	1937 Federal Report Surplus Deficit	1067	-313	-98.2	127	518	-343	-1222	-1412	372	-145	-149	3629	2402	1143
10	1938 Federal Report Surplus Deficit	804	-456	-183	337	-75.5	1077	1237	1571	3693	3331	4092	4600	4702	2206
11	1939 Federal Report Surplus Deficit	1056	26.7	481	412	182	-398	143	452	1941	1935	2766	4373	2195	1342
12	1940 Federal Report Surplus Deficit	372	-576	-180	507	606	997	7.68	-505	3761	2411	1974	4060	2734	1273
13	1941 Federal Report Surplus Deficit	648	-721	-386	324	155	814	-757	-464	783	-61.6	636	3497	2471	1686
14	1942 Federal Report Surplus Deficit	760	-383	-253	164	813	1191	1249	892	2210	949	2328	3757	4083	2591
15	1943 Federal Report Surplus Deficit	1460	708	939	428	-252	475	2075	3095	3574	4158	4143	4477	5184	2303
16	1944 Federal Report Surplus Deficit	1428	885	164	-4.05	336	-476	-418	-250	390	-723	1049	2280	597	869
17	1945 Federal Report Surplus Deficit	387	-704	-741	326	308	-514	-1536	-628	580	-656	-1890	4332	4511	729
18	1946 Federal Report Surplus Deficit	1190	209	104	94.8	132	964	1309	1870	3164	3469	4096	4696	4742	2492
19	1947 Federal Report Surplus Deficit	1777	1404	554	-28.9	395	2921	3093	3638	3986	2985	2661	4580	4664	2589
20	1948 Federal Report Surplus Deficit	1484	534	457	2624	1839	1902	3181	2885	2861	2863	3883	4828	4992	2900
21	1949 Federal Report Surplus Deficit	1856	2313	1411	341	286	532	1303	989	3985	3518	3808	4621	4622	693
22	1950 Federal Report Surplus Deficit	369	-722	-288	157	249	575	3005	3813	4274	4136	3549	4763	5214	2842
23	1951 Federal Report Surplus Deficit	1972	2195	651	1112	2141	3026	3756	4486	4435	4096	3912	4638	4515	2845
24	1952 Federal Report Surplus Deficit	1961	2108	610	2095	1148	1914	2817	2857	3586	4078	4147	4750	4771	2383
25	1953 Federal Report Surplus Deficit	1364	420	-205	-11.7	74.0	-290	1446	1479	2484	1703	2087	4516	5181	2781
26	1954 Federal Report Surplus Deficit	1499	1052	488	226	530	1350	2646	3461	3646	3119	2968	4641	4926	3223
27	1955 Federal Report Surplus Deficit	2129	2393	3045	421	1307	933	403	206	893	1046	1706	4170	5087	3349
28	1956 Federal Report Surplus Deficit	1819	1854	244	608	1744	2940	3662	4429	4379	4115	4342	4765	5047	2882
29	1957 Federal Report Surplus Deficit	1847	1957	483	516	246	1452	1576	651	3178	4001	2678	4737	5009	2411
30	1958 Federal Report Surplus Deficit	1499	329	288	237	393	160	1864	2103	2990	2898	3291	4633	4815	1995
31	1959 Federal Report Surplus Deficit	975	513	237	368	848	2620	3511	3860	3714	3578	2899	4395	5150	2452
32	1960 Federal Report Surplus Deficit	1960	2339	2990	3500	2869	2449	2506	1625	3043	4331	3662	4408	4725	2305
33	1961 Federal Report Surplus Deficit	1541	322	166	313	268	773	2129	3070	3586	3291	2162	4542	4980	2202
34	1962 Federal Report Surplus Deficit	1462	707	-3.73	100	350	174	1683	1978	1290	3871	3866	4534	4890	958
35	1963 Federal Report Surplus Deficit	1170	358	98.1	718	1220	2334	2458	2246	2667	1518	1821	4241	4341	2352
36	1964 Federal Report Surplus Deficit	1369	572	673	58.7	30.0	668	777	553	1355	3353	1955	4584	5174	3172
37	1965 Federal Report Surplus Deficit	1869	2122	1270	1137	963	3017	3894	4524	4294	2712	4056	4762	4735	2601
38	1966 Federal Report Surplus Deficit	1863	1990	33.2	546	662	991	1519	1263	1386	3826	2475	3936	3982	2419
39	1967 Federal Report Surplus Deficit	1670	447	275	19.3	146	978	3158	3694	3839	2136	353	4395	5007	2836
40	1968 Federal Report Surplus Deficit	1786	1535	507	263	750	997	2712	2687	3313	1224	1107	3427	4565	2538
41	1969 Federal Report Surplus Deficit	1822	1589	1733	1208	1823	1942	3539	4097	3635	3895	3794	4706	4784	2573
42	1970 Federal Report Surplus Deficit	1626	1341	471	284	535	57.5	1846	1926	2531	2337	826	4241	4946	1957
43	1971 Federal Report Surplus Deficit	738	-67.0	131	8.36	255	339	3674	4313	4423	3891	3736	4819	5040	3138
44	1972 Federal Report Surplus Deficit	2112	2336	1053	614	414	1321	3554	4590	4847	4420	3388	4948	5118	3131
45	1973 Federal Report Surplus Deficit	1972	2241	1621	526	468	935	1756	831	880	-1328	556	3471	2366	1216
46	1974 Federal Report Surplus Deficit	812	-742	-388	202	-182	2087	3850	4086	4650	4074	3994	4856	5180	3362
47	1975 Federal Report Surplus Deficit	1943	2276	1428	-85.5	384	416	1393	2685	3322	1803	2203	4585	5132	3491
48	1976 Federal Report Surplus Deficit	1957	1903	1041	1424	2139	3386	3424	4018	4104	4190	4023	4841	4819	3002
49	1977 Federal Report Surplus Deficit	2330	2545	3511	617	408	-537	-529	-104	699	-1326	894	2118	-414	864
50	1978 Federal Report Surplus Deficit	559	-932	-1084	-290	-270	1682	1552	2173	2990	4102	2803	4501	4011	2631
51	1979 Federal Report Surplus Deficit	1176	348	1190	727	471	202	1141	-414	2763	1367	2157	4526	2946	611
52	1980 Federal Report Surplus Deficit	270	-556	173	216	339	-699	523	343	762	2206	3147	4700	4634	1412
53	1981 Federal Report Surplus Deficit	900	-405	311	359	339	2580	2758	2953	2958	170	2227	4284	4949	2604
54	1982 Federal Report Surplus Deficit	1911	2249	991	266	668	1541	2730	4550	4647	3856	3416	4743	5227	3017

Federal Report Surplus Deficit By Water Year

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2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2057	2401	2130	1282	794	1847	3078	3758	4529	3643	2776	4612	4752	2950
56	1984 Federal Report Surplus Deficit	1905	2273	893	375	2407	1815	2596	3340	3622	4158	3774	4614	5161	2926
57	1985 Federal Report Surplus Deficit	2065	1679	889	448	694	954	1100	1165	2284	3214	3335	4665	3780	-72.4
58	1986 Federal Report Surplus Deficit	-19.1	-1042	-68.0	952	1646	964	1843	3277	4573	3708	3493	4164	4718	1991
59	1987 Federal Report Surplus Deficit	1337	109	61.9	-21.5	218	1087	828	-629	2458	786	1522	3977	3447	1028
60	1988 Federal Report Surplus Deficit	138	-1018	-293	53.8	215	-726	-1147	-1355	729	211	1713	3517	2590	1944
61	1989 Federal Report Surplus Deficit	888	-223	-234	43.2	-30.9	771	-568	-445	2212	3162	3783	4470	3831	658
62	1990 Federal Report Surplus Deficit	470	-310	24.7	161	605	1327	2126	2600	3210	2494	4016	4340	4851	2149
63	1991 Federal Report Surplus Deficit	1733	1362	195	-203	2179	2175	2852	3288	3381	3321	2681	4579	4685	2784
64	1992 Federal Report Surplus Deficit	1879	2138	331	-70.4	303	-64.1	366	-529	2393	162	900	3297	1712	915
65	1993 Federal Report Surplus Deficit	235	-1001	-788	161	255	115	-1124	-1514	1688	766	1985	4203	4159	1701
66	1994 Federal Report Surplus Deficit	1187	432	163	64.8	692	-23.9	-1033	-470	475	-396	1408	3839	3328	1588
67	1995 Federal Report Surplus Deficit	740	-619	-257	-47.4	-118	176	-318	3031	3694	1957	1581	3997	4703	2209
68	1996 Federal Report Surplus Deficit	1191	347	649	1486	3057	3244	3918	4473	4649	3685	4105	4649	4961	2992
69	1997 Federal Report Surplus Deficit	1954	2243	383	131	579	1799	3901	4138	4921	4006	4330	4805	5108	3081
70	1998 Federal Report Surplus Deficit	2072	2410	1894	2892	1736	1616	1218	2128	2197	1240	2272	4465	4926	2431
71	1999 Federal Report Surplus Deficit	1973	1342	353	122	-73.0	1365	3436	4275	4599	3272	3462	4674	5149	3108
72	2000 Federal Report Surplus Deficit	2164	2455	1371	424	2463	2369	2140	2548	3150	3873	3952	4261	4138	2347
73	2001 Federal Report Surplus Deficit	1640	-488	137	170	296	-412	-487	-291	741	-922	1118	3122	-830	1041
74	2002 Federal Report Surplus Deficit	363	-846	-1057	-382	-130	410	-568	10.2	1379	2580	3618	3980	4816	2853
75	2003 Federal Report Surplus Deficit	1694	785	248	-253	582	-190	-990	-498	3211	2516	2235	3814	4749	854
76	2004 Federal Report Surplus Deficit	88.3	-933	-441	297	419	1284	-392	-858	2460	1902	1840	3959	3992	757
77	2005 Federal Report Surplus Deficit	291	-403	1172	434	444	1343	1225	1372	1514	76.2	1429	3990	4096	1464
78	2006 Federal Report Surplus Deficit	1179	-137	235	209	436	771	2342	2792	3207	4061	3982	4728	4727	1968
79	2007 Federal Report Surplus Deficit	1476	-609	-114	-212	647	871	2190	1150	4009	3227	2673	4327	3822	2369
80	2008 Federal Report Surplus Deficit	921	-505	-556	305	255	331	378	651	1696	1853	648	4667	5189	2625
	Ranked Averages														
81	**Bottom 10 pct**	**217**	**-815**	**-199**	**236**	**430**	**408**	**420**	**636**	**2172**	**1948**	**2597**	**4159**	**4277**	**1871**
82	**Middle 80 pct**	**1361**	**693**	**337**	**416**	**657**	**1034**	**1536**	**1800**	**2810**	**2392**	**2551**	**4283**	**4172**	**2120**
83	**Top 10 pct**	**2113**	**2195**	**1780**	**852**	**968**	**1234**	**1800**	**2321**	**2900**	**2423**	**2723**	**4239**	**4067**	**2263**

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	1318	1291	165	275	485	-258	-344	-234	431	-714	1164	1954	2427	-9.04
2	1930 Federal Report Surplus Deficit	649	-103	210	200	482	-169	-1262	-62.1	529	-63.6	1683	2159	-179	1652
3	1931 Federal Report Surplus Deficit	916	-229	-388	114	640	-164	-1665	-1489	332	421	-159	2725	1162	1215
4	1932 Federal Report Surplus Deficit	990	-518	-230	-317	-81.4	-231	-2021	-1741	2269	4010	3866	3951	4106	1708
5	1933 Federal Report Surplus Deficit	1565	883	548	303	-3.49	463	2188	2848	3056	2664	2469	3653	4408	2974
6	1934 Federal Report Surplus Deficit	1697	2214	485	1125	2925	3542	3879	4188	3962	4172	3988	3461	2892	1753
7	1935 Federal Report Surplus Deficit	516	-345	-461	253	-138	847	1859	2447	3054	1666	1802	3329	2812	2394
8	1936 Federal Report Surplus Deficit	1774	739	-19.2	104	348	-204	-920	-938	824	852	3586	3679	3614	1403
9	1937 Federal Report Surplus Deficit	1045	-323	-168	85.7	638	-193	-1105	-1320	360	-111	-39.5	2773	1487	1068
10	1938 Federal Report Surplus Deficit	782	-466	-252	296	44.1	1227	1354	1663	3678	3346	4190	3781	3799	2135
11	1939 Federal Report Surplus Deficit	1033	16.5	411	371	302	-249	260	544	1929	1961	2869	3513	1284	1267
12	1940 Federal Report Surplus Deficit	349	-586	-249	466	725	1147	125	-413	3745	2441	2078	3199	1822	1199
13	1941 Federal Report Surplus Deficit	625	-731	-455	283	274	963	-640	-372	771	-28.0	744	2643	1560	1611
14	1942 Federal Report Surplus Deficit	737	-394	-323	123	933	1340	1366	984	2198	981	2434	2910	3180	2515
15	1943 Federal Report Surplus Deficit	1437	699	870	387	-132	625	2192	3188	3551	4085	4188	3611	4325	2229
16	1944 Federal Report Surplus Deficit	1406	875	94.1	-45.3	456	-326	-301	-158	379	-689	1158	1427	-315	794
17	1945 Federal Report Surplus Deficit	364	-715	-811	285	427	-364	-1419	-535	569	-622	-1781	3457	3583	655
18	1946 Federal Report Surplus Deficit	1167	199	34.7	53.6	252	1114	1426	1962	3149	3455	4180	3860	3847	2417
19	1947 Federal Report Surplus Deficit	1754	1394	485	-70.2	515	3070	3210	3730	3973	3014	2762	3706	3768	2515
20	1948 Federal Report Surplus Deficit	1462	524	388	2583	1959	2051	3298	2977	2850	2888	3987	3980	4100	2824
21	1949 Federal Report Surplus Deficit	1833	2304	1342	300	405	681	1420	1081	3975	3553	3917	3778	3720	619
22	1950 Federal Report Surplus Deficit	346	-732	-358	115	368	725	3122	3905	4254	4138	3616	3900	4333	2765
23	1951 Federal Report Surplus Deficit	1950	2186	582	1071	2261	3175	3873	4578	4422	4108	4001	3805	3620	2768
24	1952 Federal Report Surplus Deficit	1938	2099	541	2054	1268	2063	2934	2949	3575	4111	4254	3875	3847	2308
25	1953 Federal Report Surplus Deficit	1342	410	-275	-53.0	194	-141	1563	1571	2472	1733	2192	3667	4279	2704
26	1954 Federal Report Surplus Deficit	1477	1042	419	185	650	1499	2763	3553	3635	3143	3066	3801	4019	3134
27	1955 Federal Report Surplus Deficit	2107	2384	2977	380	1426	1082	520	298	881	1080	1813	3315	4215	3257
28	1956 Federal Report Surplus Deficit	1796	1845	175	567	1864	3090	3779	4521	4366	4156	4451	3932	4218	2807
29	1957 Federal Report Surplus Deficit	1825	1948	413	475	366	1601	1693	743	3167	4031	2778	3864	4127	2336
30	1958 Federal Report Surplus Deficit	1476	319	219	196	513	310	1981	2195	2976	2910	3379	3787	3921	1920
31	1959 Federal Report Surplus Deficit	952	503	167	327	968	2769	3628	3952	3697	3600	2992	3540	4243	2377
32	1960 Federal Report Surplus Deficit	1938	2330	2923	3459	2989	2598	2623	1717	3030	4367	3774	3555	3822	2230
33	1961 Federal Report Surplus Deficit	1519	312	97.0	271	388	922	2246	3162	3573	3322	2265	3704	4093	2129
34	1962 Federal Report Surplus Deficit	1439	697	-73.2	59.0	470	323	1800	2071	1278	3872	3946	3662	3984	883
35	1963 Federal Report Surplus Deficit	1147	348	28.5	677	1340	2484	2575	2338	2655	1552	1928	3387	3427	2278
36	1964 Federal Report Surplus Deficit	1347	562	604	17.4	150	817	894	645	1344	3388	2064	3732	4314	3086
37	1965 Federal Report Surplus Deficit	1846	2113	1202	1095	1083	3166	4011	4616	4271	2719	4157	3909	3840	2524
38	1966 Federal Report Surplus Deficit	1841	1980	-36.2	504	782	1140	1636	1355	1373	3840	2545	3077	3069	2344
39	1967 Federal Report Surplus Deficit	1648	437	205	-22.0	266	1127	3275	3786	3829	2172	463	3508	4129	2762
40	1968 Federal Report Surplus Deficit	1764	1525	437	221	869	1146	2829	2779	3301	1257	1215	2577	3696	2463
41	1969 Federal Report Surplus Deficit	1800	1580	1665	1167	1942	2091	3656	4189	3625	3862	3843	3808	3841	2499
42	1970 Federal Report Surplus Deficit	1604	1332	401	243	654	207	1963	2018	2517	2369	930	3381	4049	1882
43	1971 Federal Report Surplus Deficit	715	-77.2	61.7	-32.9	375	489	3791	4405	4419	3936	3855	3998	4227	3057
44	1972 Federal Report Surplus Deficit	2090	2327	984	573	533	1470	3671	4682	4791	4422	3439	4060	4185	3032
45	1973 Federal Report Surplus Deficit	1950	2232	1553	485	587	1084	1873	924	867	-1293	663	2617	1453	1141
46	1974 Federal Report Surplus Deficit	789	-752	-457	161	-61.9	2236	3967	4178	4603	4031	4074	3978	4268	3266
47	1975 Federal Report Surplus Deficit	1921	2267	1360	-127	504	565	1510	2777	3308	1826	2301	3725	4239	3398
48	1976 Federal Report Surplus Deficit	1935	1894	972	1382	2258	3536	3541	4110	4093	4207	4117	3972	3906	2924
49	1977 Federal Report Surplus Deficit	2308	2537	3443	576	528	-388	-412	-12.0	688	-1291	1003	1265	-1326	789
50	1978 Federal Report Surplus Deficit	536	-943	-1154	-331	-150	1831	1669	2265	2979	4127	2896	3639	3099	2557
51	1979 Federal Report Surplus Deficit	1153	338	1121	686	591	351	1258	-322	2751	1401	2265	3693	2036	536
52	1980 Federal Report Surplus Deficit	247	-567	103	175	459	-549	640	435	751	2237	3254	3848	3726	1442
53	1981 Federal Report Surplus Deficit	878	-415	242	318	458	2729	2875	3045	2945	202	2334	3421	4049	2530
54	1982 Federal Report Surplus Deficit	1889	2240	922	225	787	1691	2847	4642	4644	3866	3495	3909	4336	2942

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2035	2392	2061	1241	913	1997	3195	3850	4457	3659	2860	3754	3872	2869
56	1984 Federal Report Surplus Deficit	1883	2264	824	333	2527	1964	2713	3432	3609	4192	3883	3777	4266	2855
57	1985 Federal Report Surplus Deficit	2043	1669	819	406	814	1103	1217	1257	2272	3237	3434	3824	2869	-147
58	1986 Federal Report Surplus Deficit	-42.2	-1053	-137	910	1766	1114	1960	3369	4537	3750	3609	3313	3820	1917
59	1987 Federal Report Surplus Deficit	1315	99.2	-7.43	-62.8	338	1237	945	-537	2444	819	1630	3113	2535	953
60	1988 Federal Report Surplus Deficit	115	-1028	-363	12.6	335	-576	-1030	-1262	717	244	1820	2664	1677	1869
61	1989 Federal Report Surplus Deficit	866	-233	-303	1.97	88.8	921	-451	-353	2201	3184	3885	3618	2919	583
62	1990 Federal Report Surplus Deficit	447	-321	-44.8	120	724	1476	2243	2693	3198	2523	4123	3487	3944	2073
63	1991 Federal Report Surplus Deficit	1711	1353	125	-244	2299	2324	2969	3380	3369	3355	2789	3726	3764	2701
64	1992 Federal Report Surplus Deficit	1857	2129	261	-112	423	85.2	483	-437	2382	195	1008	2442	800	840
65	1993 Federal Report Surplus Deficit	212	-1011	-858	120	374	264	-1007	-1422	1675	796	2089	3343	3242	1626
66	1994 Federal Report Surplus Deficit	1164	422	93.1	23.5	812	125	-916	-378	463	-362	1517	2987	2416	1514
67	1995 Federal Report Surplus Deficit	717	-630	-326	-88.6	2.11	326	-201	3123	3665	1991	1689	3140	3779	2205
68	1996 Federal Report Surplus Deficit	1169	337	579	1445	3177	3393	4035	4565	4639	3769	4231	3831	4118	2917
69	1997 Federal Report Surplus Deficit	1932	2234	314	90.2	698	1948	4018	4230	4895	4026	4432	3953	4216	2982
70	1998 Federal Report Surplus Deficit	2049	2401	1826	2851	1855	1765	1335	2220	2184	1272	2378	3628	4037	2355
71	1999 Federal Report Surplus Deficit	1951	1333	283	80.3	46.7	1514	3553	4367	4583	3310	3574	3796	4269	3031
72	2000 Federal Report Surplus Deficit	2142	2447	1302	382	2582	2519	2257	2640	3137	3899	4055	3412	3228	2272
73	2001 Federal Report Surplus Deficit	1617	-498	67.9	129	416	-263	-370	-199	729	-888	1226	2270	-1742	966
74	2002 Federal Report Surplus Deficit	340	-857	-1127	-423	-9.86	559	-451	102	1368	2608	3723	3129	3914	2771
75	2003 Federal Report Surplus Deficit	1671	775	179	-294	702	-40.5	-873	-405	3198	2550	2344	2962	3851	779
76	2004 Federal Report Surplus Deficit	65.2	-944	-510	256	538	1433	-275	-766	2448	1935	1948	3106	3081	675
77	2005 Federal Report Surplus Deficit	268	-413	1103	393	563	1492	1342	1464	1502	111	1538	3144	3183	1389
78	2006 Federal Report Surplus Deficit	1156	-147	165	168	555	920	2459	2884	3194	4083	4079	3861	3862	1894
79	2007 Federal Report Surplus Deficit	1453	-620	-184	-253	767	1020	2307	1242	3995	3259	2779	3471	2913	2293
80	2008 Federal Report Surplus Deficit	899	-516	-626	264	375	480	495	743	1684	1887	756	3833	4314	2550
	Ranked Averages														
81	**Bottom 10 pct**	**194**	**-826**	**-268**	**195**	**549**	**558**	**537**	**728**	**2157**	**1977**	**2699**	**3306**	**3372**	**1807**
82	**Middle 80 pct**	**1339**	**683**	**267**	**375**	**777**	**1183**	**1653**	**1892**	**2796**	**2417**	**2652**	**3430**	**3274**	**2044**
83	**Top 10 pct**	**2091**	**2186**	**1712**	**811**	**1087**	**1383**	**1917**	**2413**	**2874**	**2448**	**2820**	**3382**	**3169**	**2182**

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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	1252	1259	-17.1	45.4	216	-537	-596	-319	207	-937	949	2652	3037	-127
2	1930 Federal Report Surplus Deficit	582	-135	28.7	-29.2	213	-448	-1515	-148	305	-285	1469	2862	432	1534
3	1931 Federal Report Surplus Deficit	849	-261	-570	-115	371	-443	-1918	-1574	109	199	-374	3427	1774	1097
4	1932 Federal Report Surplus Deficit	923	-550	-412	-547	-350	-511	-2274	-1826	2046	3790	3654	4621	4677	1590
5	1933 Federal Report Surplus Deficit	1498	850	366	73.0	-272	184	1935	2762	2832	2442	2254	4357	4980	2853
6	1934 Federal Report Surplus Deficit	1630	2182	303	896	2656	3263	3626	4103	3742	3943	3767	4151	3502	1634
7	1935 Federal Report Surplus Deficit	449	-377	-643	23.5	-407	567	1606	2361	2830	1443	1587	4006	3422	2275
8	1936 Federal Report Surplus Deficit	1707	707	-201	-126	79.5	-484	-1172	-1023	601	631	3371	4297	4152	1284
9	1937 Federal Report Surplus Deficit	978	-355	-349	-144	369	-473	-1358	-1405	137	-336	-257	3473	2098	950
10	1938 Federal Report Surplus Deficit	715	-498	-434	66.1	-225	947	1101	1577	3449	3111	3968	4361	4342	2014
11	1939 Federal Report Surplus Deficit	966	-15.8	230	141	33.2	-528	7.04	458	1706	1747	2661	4199	1894	1149
12	1940 Federal Report Surplus Deficit	282	-618	-431	236	457	867	-128	-498	3516	2218	1862	3891	2432	1080
13	1941 Federal Report Surplus Deficit	558	-764	-637	53.3	5.35	684	-893	-457	548	-254	526	3337	2171	1492
14	1942 Federal Report Surplus Deficit	670	-426	-504	-106	664	1061	1113	898	1975	760	2221	3599	3776	2396
15	1943 Federal Report Surplus Deficit	1370	666	688	158	-401	345	1939	3102	3334	3864	3974	4258	4828	2108
16	1944 Federal Report Surplus Deficit	1339	843	-87.5	-275	187	-606	-554	-243	156	-912	942	2130	297	675
17	1945 Federal Report Surplus Deficit	298	-747	-992	55.3	158	-644	-1672	-621	346	-845	-1996	4146	4174	536
18	1946 Federal Report Surplus Deficit	1101	167	-147	-176	-17.1	834	1173	1876	2930	3286	3993	4508	4401	2297
19	1947 Federal Report Surplus Deficit	1688	1362	303	-300	246	2791	2957	3645	3746	2782	2532	4379	4321	2396
20	1948 Federal Report Surplus Deficit	1395	492	206	2353	1690	1772	3045	2892	2626	2661	3769	4680	4649	2704
21	1949 Federal Report Surplus Deficit	1767	2272	1160	70.5	136	402	1167	996	3750	3338	3707	4462	4288	333
22	1950 Federal Report Surplus Deficit	279	-765	-539	-114	99.5	445	2869	3820	4030	3930	3420	4563	4852	2646
23	1951 Federal Report Surplus Deficit	1883	2154	400	841	1992	2896	3620	4493	4214	3858	3762	4481	4201	2647
24	1952 Federal Report Surplus Deficit	1872	2067	359	1825	999	1784	2681	2863	3351	3791	3980	4549	4407	2191
25	1953 Federal Report Surplus Deficit	1275	377	-456	-282	-75.2	-420	1310	1485	2249	1516	1982	4351	4825	2584
26	1954 Federal Report Surplus Deficit	1410	1010	237	-44.8	381	1220	2511	3468	3411	2920	2851	4480	4594	3022
27	1955 Federal Report Surplus Deficit	2040	2352	2795	150	1158	803	268	213	658	856	1598	4009	4746	3138
28	1956 Federal Report Surplus Deficit	1730	1812	-7.06	337	1595	2810	3526	4435	4130	3851	4200	4590	4745	2685
29	1957 Federal Report Surplus Deficit	1758	1915	232	246	96.9	1322	1440	658	2946	3805	2557	4570	4716	2218
30	1958 Federal Report Surplus Deficit	1409	286	37.5	-34.0	244	30.3	1728	2110	2755	2709	3183	4458	4478	1801
31	1959 Federal Report Surplus Deficit	886	471	-14.2	97.3	699	2490	3375	3867	3480	3377	2777	4231	4815	2258
32	1960 Federal Report Surplus Deficit	1871	2297	2741	3230	2720	2319	2371	1632	2807	4116	3509	4252	4399	2112
33	1961 Federal Report Surplus Deficit	1452	280	-84.6	41.8	119	643	1993	3077	3351	3102	2055	4395	4680	2011
34	1962 Federal Report Surplus Deficit	1372	665	-255	-171	201	43.8	1547	1985	1056	3657	3738	4339	4547	764
35	1963 Federal Report Surplus Deficit	1080	316	-153	447	1071	2204	2323	2253	2431	1329	1714	4062	4016	2159
36	1964 Federal Report Surplus Deficit	1280	530	422	-212	-119	538	641	559	1121	3168	1854	4415	4849	2970
37	1965 Federal Report Surplus Deficit	1780	2081	1020	866	814	2887	3758	4531	4058	2531	3952	4603	4440	2408
38	1966 Federal Report Surplus Deficit	1774	1948	-218	275	513	861	1383	1270	1151	3618	2331	3767	3666	2225
39	1967 Federal Report Surplus Deficit	1581	405	23.9	-251	-2.82	848	3022	3701	3602	1947	245	4138	4594	2625
40	1968 Federal Report Surplus Deficit	1697	1493	256	-8.17	600	867	2577	2694	3077	1036	1000	3272	4239	2344
41	1969 Federal Report Surplus Deficit	1733	1548	1483	937	1674	1812	3403	4104	3400	3694	3676	4536	4435	2380
42	1970 Federal Report Surplus Deficit	1537	1300	220	13.0	385	-72.6	1710	1933	2294	2146	715	4055	4570	1763
43	1971 Federal Report Surplus Deficit	649	-109	-120	-262	106	209	3538	4320	4178	3729	3654	4628	4751	2922
44	1972 Federal Report Surplus Deficit	2023	2294	802	343	265	1191	3418	4597	4618	4220	3261	4756	4763	2920
45	1973 Federal Report Surplus Deficit	1883	2200	1371	255	319	805	1620	838	644	-1516	449	3307	2064	1023
46	1974 Federal Report Surplus Deficit	723	-784	-639	-68.5	-331	1957	3714	4093	4419	3733	3859	4651	4857	3151
47	1975 Federal Report Surplus Deficit	1854	2235	1178	-356	235	286	1258	2692	3082	1607	2089	4396	4825	3285
48	1976 Federal Report Surplus Deficit	1868	1862	791	1153	1990	3256	3288	4025	3866	3973	3890	4659	4477	2792
49	1977 Federal Report Surplus Deficit	2241	2504	3262	346	259	-667	-665	-97.4	465	-1515	788	1971	-714	670
50	1978 Federal Report Surplus Deficit	469	-975	-1335	-561	-419	1552	1416	2180	2754	3902	2677	4297	3706	2439
51	1979 Federal Report Surplus Deficit	1087	305	940	456	322	71.8	1006	-407	2527	1179	2051	4361	2647	418
52	1980 Federal Report Surplus Deficit	180	-599	-78.5	-54.6	190	-829	387	350	527	2025	3047	4566	4337	1324
53	1981 Federal Report Surplus Deficit	811	-448	60.2	88.1	189	2450	2622	2960	2723	-17.7	2121	4119	4633	2412
54	1982 Federal Report Surplus Deficit	1822	2208	740	-4.78	519	1411	2594	4557	4403	3636	3273	4550	4896	2825

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	1968	2360	1880	1011	645	1717	2942	3765	4247	3419	2623	4391	4372	2739
56	1984 Federal Report Surplus Deficit	1816	2231	642	104	2258	1685	2460	3347	3385	3957	3655	4458	4862	2736
57	1985 Federal Report Surplus Deficit	1976	1637	638	177	545	824	964	1172	2049	3008	3213	4509	3466	-266
58	1986 Federal Report Surplus Deficit	-109	-1085	-319	681	1497	834	1707	3284	4291	3489	3356	4008	4393	1799
59	1987 Federal Report Surplus Deficit	1248	66.9	-189	-292	69.2	957	692	-622	2223	598	1416	3822	3145	835
60	1988 Federal Report Surplus Deficit	48.1	-1061	-544	-217	65.9	-856	-1283	-1348	494	22.8	1606	3369	2289	1750
61	1989 Federal Report Surplus Deficit	799	-265	-485	-228	-180	641	-704	-439	1978	2968	3673	4314	3529	465
62	1990 Federal Report Surplus Deficit	380	-353	-226	-110	455	1197	1990	2607	2974	2289	3904	4193	4543	1954
63	1991 Federal Report Surplus Deficit	1644	1320	-56.3	-473	2030	2045	2716	3295	3146	3138	2580	4414	4357	2585
64	1992 Federal Report Surplus Deficit	1790	2097	79.7	-341	154	-194	230	-523	2158	-27.1	793	3149	1411	722
65	1993 Federal Report Surplus Deficit	146	-1044	-1039	-109	106	-15.3	-1260	-1507	1453	575	1875	4025	3853	1508
66	1994 Federal Report Surplus Deficit	1098	389	-88.5	-206	543	-154	-1169	-463	240	-585	1302	3690	3028	1395
67	1995 Federal Report Surplus Deficit	650	-662	-508	-318	-267	46.2	-454	3038	3458	1766	1471	3834	4361	2015
68	1996 Federal Report Surplus Deficit	1102	304	398	1216	2908	3114	3782	4480	4399	3494	3998	4439	4612	2797
69	1997 Federal Report Surplus Deficit	1865	2202	132	-139	429	1669	3765	4145	4681	3807	4218	4661	4833	2874
70	1998 Federal Report Surplus Deficit	1983	2369	1644	2621	1586	1486	1082	2135	1962	1034	2149	4283	4580	2238
71	1999 Federal Report Surplus Deficit	1884	1300	102	-149	-222	1235	3300	4282	4367	3072	3345	4512	4846	2905
72	2000 Federal Report Surplus Deficit	2075	2414	1120	153	2314	2239	2004	2554	2915	3646	3820	4071	3810	2153
73	2001 Federal Report Surplus Deficit	1551	-531	-114	-100	147	-542	-623	-285	506	-1110	1011	2973	-1131	848
74	2002 Federal Report Surplus Deficit	273	-889	-1309	-653	-279	280	-704	16.8	1144	2389	3510	3826	4484	2658
75	2003 Federal Report Surplus Deficit	1604	743	-2.75	-524	433	-320	-1126	-491	2976	2327	2129	3655	4435	661
76	2004 Federal Report Surplus Deficit	-1.66	-976	-692	26.7	269	1154	-528	-851	2224	1713	1734	3811	3691	564
77	2005 Federal Report Surplus Deficit	201	-445	921	163	294	1213	1089	1378	1279	-111	1323	3838	3784	1271
78	2006 Federal Report Surplus Deficit	1089	-179	-16.3	-61.9	287	640	2207	2799	2970	3846	3852	4521	4387	1775
79	2007 Federal Report Surplus Deficit	1387	-652	-365	-483	498	740	2054	1157	3773	3038	2565	4164	3516	2175
80	2008 Federal Report Surplus Deficit	832	-548	-808	34.6	106	200	242	657	1461	1664	540	4537	4904	2430
	Ranked Averages														
81	**Bottom 10 pct**	**127**	**-858**	**-450**	**-34.6**	**280**	**278**	**285**	**643**	**1930**	**1754**	**2484**	**4001**	**3960**	**1690**
82	**Middle 80 pct**	**1272**	**651**	**85.7**	**145**	**508**	**904**	**1400**	**1807**	**2573**	**2191**	**2435**	**4111**	**3852**	**1921**
83	**Top 10 pct**	**2024**	**2154**	**1530**	**582**	**819**	**1103**	**1664**	**2328**	**2660**	**2217**	**2600**	**4063**	**3734**	**2062**

Federal Report Surplus Deficit By Water Year

Operating Year 2021

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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	1100	1151	-37.3	6.29	135	-512	-729	-564	227	-814	1122	1804	2221	-139
2	1930 Federal Report Surplus Deficit	431	-243	8.52	-68.3	132	-423	-1648	-392	324	-162	1642	2007	-387	1522
3	1931 Federal Report Surplus Deficit	698	-369	-590	-154	290	-417	-2050	-1818	129	321	-201	2577	954	1085
4	1932 Federal Report Surplus Deficit	772	-657	-432	-586	-432	-485	-2407	-2071	2064	3917	3831	3785	3873	1578
5	1933 Federal Report Surplus Deficit	1347	743	346	33.9	-354	209	1802	2518	2852	2564	2426	3511	4198	2841
6	1934 Federal Report Surplus Deficit	1479	2075	283	857	2575	3289	3493	3858	3759	4081	3957	3319	2681	1622
7	1935 Federal Report Surplus Deficit	297	-485	-663	-15.6	-488	593	1473	2117	2851	1566	1761	3188	2606	2264
8	1936 Federal Report Surplus Deficit	1556	599	-221	-165	-1.87	-458	-1305	-1267	621	747	3541	3480	3343	1272
9	1937 Federal Report Surplus Deficit	827	-463	-370	-183	288	-447	-1490	-1650	157	-211	-81.9	2619	1281	938
10	1938 Federal Report Surplus Deficit	563	-606	-454	27.0	-306	973	969	1333	3475	3262	4156	3637	3584	2002
11	1939 Federal Report Surplus Deficit	815	-123	209	102	-48.2	-502	-126	214	1725	1871	2835	3361	1074	1137
12	1940 Federal Report Surplus Deficit	131	-726	-451	197	375	893	-261	-742	3537	2341	2036	3055	1615	1068
13	1941 Federal Report Surplus Deficit	407	-871	-657	14.2	-76.0	710	-1025	-702	565	-130	700	2487	1350	1481
14	1942 Federal Report Surplus Deficit	519	-534	-525	-146	583	1087	980	654	1992	881	2392	2756	2956	2382
15	1943 Federal Report Surplus Deficit	1219	559	668	119	-482	371	1806	2858	3360	4055	4188	3477	4094	2097
16	1944 Federal Report Surplus Deficit	1188	735	-108	-314	106	-580	-687	-487	175	-788	1116	1278	-523	664
17	1945 Federal Report Surplus Deficit	146	-855	-1012	16.2	77.1	-618	-1804	-865	365	-723	-1823	3318	3376	524
18	1946 Federal Report Surplus Deficit	949	59.5	-167	-215	-98.5	860	1040	1632	2948	3437	4179	3712	3616	2285
19	1947 Federal Report Surplus Deficit	1536	1255	283	-339	164	2817	2824	3401	3769	2908	2712	3560	3530	2383
20	1948 Federal Report Surplus Deficit	1244	384	186	2314	1608	1798	2912	2648	2646	2789	3945	3827	3877	2695
21	1949 Federal Report Surplus Deficit	1615	2165	1140	31.4	55.1	428	1034	751	3756	3455	3877	3622	3486	323
22	1950 Federal Report Surplus Deficit	128	-872	-559	-153	18.2	471	2736	3575	4052	4074	3619	3737	4079	2634
23	1951 Federal Report Surplus Deficit	1732	2047	380	802	1911	2922	3487	4249	4213	4012	3963	3643	3392	2639
24	1952 Federal Report Surplus Deficit	1720	1959	339	1786	918	1809	2548	2619	3372	4023	4219	3778	3635	2178
25	1953 Federal Report Surplus Deficit	1124	270	-476	-322	-157	-395	1178	1241	2268	1637	2154	3546	4076	2574
26	1954 Federal Report Surplus Deficit	1259	902	217	-83.9	299	1246	2378	3223	3431	3051	3032	3637	3783	3002
27	1955 Federal Report Surplus Deficit	1889	2245	2775	111	1076	828	135	-31.3	677	980	1772	3165	3991	3135
28	1956 Federal Report Surplus Deficit	1578	1705	-27.2	298	1513	2836	3393	4191	4149	4042	4408	3783	4004	2674
29	1957 Federal Report Surplus Deficit	1607	1808	212	206	15.5	1347	1307	414	2961	3932	2738	3729	3928	2207
30	1958 Federal Report Surplus Deficit	1258	179	17.3	-73.1	162	56.2	1595	1866	2774	2830	3355	3644	3716	1790
31	1959 Federal Report Surplus Deficit	734	363	-34.4	58.2	618	2515	3242	3623	3499	3501	2952	3385	4039	2247
32	1960 Federal Report Surplus Deficit	1720	2190	2721	3191	2639	2344	2238	1388	2827	4259	3717	3409	3598	2100
33	1961 Federal Report Surplus Deficit	1301	173	-105	2.71	37.4	669	1860	2833	3371	3225	2228	3543	3885	1999
34	1962 Federal Report Surplus Deficit	1221	558	-275	-210	119	69.6	1415	1741	1076	3837	3961	3535	3764	753
35	1963 Federal Report Surplus Deficit	929	208	-173	408	989	2230	2190	2009	2451	1447	1883	3240	3214	2147
36	1964 Federal Report Surplus Deficit	1129	423	402	-251	-201	563	509	315	1140	3289	2023	3569	4105	2952
37	1965 Federal Report Surplus Deficit	1628	1973	1000	827	733	2913	3626	4286	4071	2648	4123	3762	3626	2396
38	1966 Federal Report Surplus Deficit	1623	1841	-238	236	431	887	1250	1025	1170	3765	2549	2934	2862	2214
39	1967 Federal Report Surplus Deficit	1430	298	3.73	-291	-84.2	874	2890	3457	3612	2071	420	3360	3900	2625
40	1968 Federal Report Surplus Deficit	1546	1385	236	-47.3	519	892	2444	2450	3094	1157	1170	2422	3455	2327
41	1969 Federal Report Surplus Deficit	1582	1440	1463	898	1592	1838	3271	3859	3418	3793	3829	3706	3630	2368
42	1970 Federal Report Surplus Deficit	1385	1192	200	-26.0	304	-46.7	1578	1689	2314	2271	892	3235	3829	1751
43	1971 Federal Report Surplus Deficit	497	-217	-140	-301	24.3	235	3405	4076	4205	3842	3817	3793	3916	2922
44	1972 Federal Report Surplus Deficit	1872	2187	782	304	183	1217	3286	4353	4626	4320	3394	3937	4005	2901
45	1973 Federal Report Surplus Deficit	1732	2092	1351	216	237	830	1488	594	662	-1393	622	2471	1246	1011
46	1974 Federal Report Surplus Deficit	571	-892	-659	-108	-412	1983	3581	3848	4408	3935	4032	3789	4061	3113
47	1975 Federal Report Surplus Deficit	1702	2128	1158	-395	153	312	1125	2448	3106	1726	2259	3600	4032	3285
48	1976 Federal Report Surplus Deficit	1717	1754	771	1114	1908	3282	3155	3780	3877	4104	4071	3817	3709	2787
49	1977 Federal Report Surplus Deficit	2090	2397	3242	307	178	-642	-797	-342	485	-1391	961	1117	-1534	659
50	1978 Federal Report Surplus Deficit	318	-1082	-1355	-600	-500	1578	1283	1936	2775	4024	2848	3483	2890	2427
51	1979 Federal Report Surplus Deficit	935	198	919	417	241	97.7	873	-651	2547	1301	2223	3527	1826	406
52	1980 Federal Report Surplus Deficit	28.7	-707	-98.7	-93.7	108	-803	255	106	547	2148	3219	3726	3516	1316
53	1981 Federal Report Surplus Deficit	660	-555	40.1	49.0	108	2476	2489	2715	2741	104	2293	3278	3872	2400
54	1982 Federal Report Surplus Deficit	1671	2100	720	-43.9	437	1437	2462	4312	4422	3766	3454	3762	4137	2815

Federal Report Surplus Deficit By Water Year

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	1817	2253	1859	972	563	1743	2810	3521	4239	3559	2818	3594	3623	2734
56	1984 Federal Report Surplus Deficit	1665	2124	622	64.7	2177	1711	2327	3103	3402	4092	3840	3614	4052	2721
57	1985 Federal Report Surplus Deficit	1825	1530	618	138	464	850	831	927	2068	3141	3395	3672	2654	-277
58	1986 Federal Report Surplus Deficit	-260	-1193	-339	642	1416	860	1574	3039	4341	3637	3554	3160	3601	1787
59	1987 Federal Report Surplus Deficit	1096	-40.6	-209	-331	-12.1	983	560	-867	2240	720	1588	2966	2327	823
60	1988 Federal Report Surplus Deficit	-103	-1168	-564	-256	-15.5	-830	-1415	-1592	514	145	1779	2516	1469	1739
61	1989 Federal Report Surplus Deficit	648	-373	-505	-267	-261	667	-836	-683	1996	3052	3824	3461	2709	453
62	1990 Federal Report Surplus Deficit	229	-461	-247	-149	374	1223	1857	2363	2995	2429	4082	3337	3733	1944
63	1991 Federal Report Surplus Deficit	1493	1213	-76.5	-512	1949	2071	2584	3050	3166	3261	2754	3573	3558	2568
64	1992 Federal Report Surplus Deficit	1639	1989	59.6	-380	72.3	-168	97.3	-767	2178	95.9	966	2296	592	710
65	1993 Federal Report Surplus Deficit	-5.73	-1151	-1059	-149	24.2	10.6	-1393	-1752	1472	698	2048	3190	3033	1496
66	1994 Federal Report Surplus Deficit	946	282	-109	-245	462	-128	-1301	-707	260	-462	1475	2836	2207	1383
67	1995 Federal Report Surplus Deficit	499	-770	-528	-357	-348	72.1	-586	2794	3472	1890	1646	2980	3546	2004
68	1996 Federal Report Surplus Deficit	951	197	378	1177	2826	3140	3649	4235	4457	3577	4155	3655	3882	2781
69	1997 Federal Report Surplus Deficit	1714	2095	112	-178	348	1695	3633	3901	4686	3931	4392	3793	4020	2863
70	1998 Federal Report Surplus Deficit	1831	2261	1624	2582	1505	1512	950	1891	1981	1177	2340	3505	3849	2225
71	1999 Federal Report Surplus Deficit	1732	1193	81.6	-188	-304	1261	3167	4038	4385	3199	3522	3680	4051	2892
72	2000 Federal Report Surplus Deficit	1924	2307	1100	114	2232	2265	1872	2310	2934	3793	4009	3273	3014	2141
73	2001 Federal Report Surplus Deficit	1399	-638	-134	-140	65.8	-517	-755	-529	526	-987	1184	2119	-1950	836
74	2002 Federal Report Surplus Deficit	122	-997	-1329	-692	-360	306	-837	-227	1164	2511	3682	2975	3699	2643
75	2003 Federal Report Surplus Deficit	1453	635	-22.9	-563	351	-294	-1259	-735	2995	2448	2300	2815	3637	649
76	2004 Federal Report Surplus Deficit	-153	-1084	-712	-12.4	188	1179	-661	-1095	2245	1837	1907	2956	2873	551
77	2005 Federal Report Surplus Deficit	49.7	-553	901	124	213	1239	957	1134	1299	11.4	1496	2993	2977	1259
78	2006 Federal Report Surplus Deficit	938	-287	-36.5	-101	205	666	2074	2554	2991	3998	4050	3740	3618	1764
79	2007 Federal Report Surplus Deficit	1235	-759	-385	-522	417	766	1921	912	3791	3162	2741	3324	2703	2162
80	2008 Federal Report Surplus Deficit	680	-656	-828	-4.45	24.6	226	110	413	1481	1788	715	3690	4111	2420

Ranked Averages

81	**Bottom 10 pct**	**-24.3**	**-966**	**-470**	**-73.7**	**199**	**304**	**152**	**398**	**1954**	**1883**	**2663**	**3157**	**3156**	**1678**
82	**Middle 80 pct**	**1121**	**543**	**65.5**	**106**	**427**	**930**	**1268**	**1562**	**2592**	**2321**	**2613**	**3281**	**3058**	**1910**
83	**Top 10 pct**	**1873**	**2046**	**1510**	**542**	**737**	**1129**	**1532**	**2083**	**2674**	**2347**	**2776**	**3243**	**2957**	**2051**

Federal Report Surplus Deficit By Water Year

Operating Year 2022

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1090	1128	-58.8	-101	79.8	-657	-795	-615	179	-869	1093	2574	2989	-195
2	1930 Federal Report Surplus Deficit	421	-266	-13.0	-176	76.8	-568	-1714	-443	274	-216	1615	2776	379	1466
3	1931 Federal Report Surplus Deficit	688	-392	-611	-255	241	-560	-2114	-1864	85.5	273	-223	3352	1726	1033
4	1932 Federal Report Surplus Deficit	761	-681	-454	-689	-484	-630	-2473	-2122	2019	3923	3861	4605	4731	1525
5	1933 Federal Report Surplus Deficit	1337	720	324	-71.0	-406	63.6	1736	2467	2806	2514	2403	4303	5065	2794
6	1934 Federal Report Surplus Deficit	1469	2051	261	756	2530	3147	3432	3813	3724	4058	3962	4119	3458	1571
7	1935 Federal Report Surplus Deficit	287	-508	-685	-118	-540	447	1407	2066	2801	1517	1737	3993	3379	2211
8	1936 Federal Report Surplus Deficit	1546	576	-242	-273	-57.0	-602	-1371	-1318	575	719	3527	4268	4228	1222
9	1937 Federal Report Surplus Deficit	816	-486	-391	-288	237	-592	-1557	-1700	111	-261	-106	3405	2051	883
10	1938 Federal Report Surplus Deficit	553	-629	-476	-78.0	-361	828	903	1282	3433	3308	4182	4359	4390	1971
11	1939 Federal Report Surplus Deficit	805	-146	188	-4.56	-103	-648	-192	164	1679	1827	2816	4199	1845	1085
12	1940 Federal Report Surplus Deficit	121	-749	-473	92.3	321	747	-327	-791	3502	2297	2019	3847	2383	1016
13	1941 Federal Report Surplus Deficit	397	-894	-679	-90.2	-128	564	-1092	-751	520	-179	677	3268	2120	1426
14	1942 Federal Report Surplus Deficit	509	-557	-546	-249	527	941	914	603	1949	845	2379	3545	3752	2331
15	1943 Federal Report Surplus Deficit	1209	536	647	10.7	-537	226	1742	2808	3315	4360	4297	4247	5068	2042
16	1944 Federal Report Surplus Deficit	1177	712	-129	-420	52.8	-726	-752	-539	129	-840	1090	2049	244	610
17	1945 Federal Report Surplus Deficit	136	-878	-1034	-88.6	26.1	-764	-1870	-916	316	-779	-1855	4135	4193	376
18	1946 Federal Report Surplus Deficit	939	36.3	-189	-326	-153	715	974	1581	2902	3527	4217	4490	4460	2236
19	1947 Federal Report Surplus Deficit	1526	1231	261	-445	109	2671	2759	3350	3727	2881	2720	4362	4386	2329
20	1948 Federal Report Surplus Deficit	1233	361	165	2208	1553	1653	2847	2597	2598	2779	3941	4600	4833	2647
21	1949 Federal Report Surplus Deficit	1605	2141	1119	-77.0	0.04	283	968	700	3729	3483	3909	4425	4345	319
22	1950 Federal Report Surplus Deficit	117	-895	-581	-261	-36.8	326	2671	3525	4036	4088	3680	4545	5027	2582
23	1951 Federal Report Surplus Deficit	1721	2023	358	691	1856	2777	3422	4198	4210	4060	4024	4460	4208	2587
24	1952 Federal Report Surplus Deficit	1710	1936	317	1674	863	1665	2483	2568	3326	4105	4264	4529	4500	2140
25	1953 Federal Report Surplus Deficit	1114	247	-498	-428	-210	-540	1112	1190	2220	1586	2129	4343	5021	2521
26	1954 Federal Report Surplus Deficit	1249	879	196	-189	244	1100	2312	3172	3385	3029	3037	4465	4687	3005
27	1955 Federal Report Surplus Deficit	1879	2221	2753	5.26	1024	683	68.6	-82.4	629	928	1746	3950	4875	3101
28	1956 Federal Report Surplus Deficit	1568	1682	-48.8	188	1459	2692	3328	4140	4141	4172	4432	4570	4968	2628
29	1957 Federal Report Surplus Deficit	1597	1785	190	95.5	-39.6	1203	1241	363	2917	3899	2749	4548	4773	2150
30	1958 Federal Report Surplus Deficit	1248	156	-4.20	-180	110	-89.2	1529	1815	2728	2819	3364	4407	4600	1734
31	1959 Federal Report Surplus Deficit	724	340	-55.9	-47.5	568	2370	3176	3572	3452	3464	2946	4217	4910	2193
32	1960 Federal Report Surplus Deficit	1710	2167	2699	3085	2588	2199	2171	1336	2777	4249	3771	4207	4412	2047
33	1961 Federal Report Surplus Deficit	1290	149	-126	-101	-11.8	523	1794	2782	3322	3174	2205	4370	4731	1946
34	1962 Federal Report Surplus Deficit	1211	534	-296	-313	64.3	-75.7	1348	1690	1026	3917	4043	4328	4607	696
35	1963 Federal Report Surplus Deficit	919	185	-195	305	942	2085	2125	1958	2404	1401	1862	4047	3997	2097
36	1964 Federal Report Surplus Deficit	1119	399	380	-356	-256	418	443	264	1091	3245	2011	4391	5033	2921
37	1965 Federal Report Surplus Deficit	1618	1950	978	716	678	2768	3560	4236	4039	2622	4101	4579	4444	2355
38	1966 Federal Report Surplus Deficit	1613	1817	-259	128	377	741	1184	974	1120	3738	2574	3718	3640	2160
39	1967 Federal Report Surplus Deficit	1420	274	-17.8	-394	-132	728	2824	3406	3580	2020	395	4150	4882	2577
40	1968 Federal Report Surplus Deficit	1536	1362	214	-153	464	747	2378	2399	3049	1106	1149	3202	4339	2283
41	1969 Federal Report Surplus Deficit	1571	1417	1442	787	1538	1692	3204	3808	3373	4044	4055	4474	4519	2327
42	1970 Federal Report Surplus Deficit	1375	1169	178	-131	249	-192	1512	1638	2269	2217	865	4049	4713	1719
43	1971 Federal Report Surplus Deficit	487	-240	-162	-413	-29.7	90.7	3340	4025	4224	3954	3937	4600	4960	2900
44	1972 Federal Report Surplus Deficit	1862	2164	760	193	129	1072	3220	4302	4809	4392	3600	4722	4958	2877
45	1973 Federal Report Surplus Deficit	1722	2069	1329	107	182	685	1421	543	614	-1448	594	3245	2012	954
46	1974 Federal Report Surplus Deficit	561	-915	-680	-219	-466	1838	3516	3798	4632	4427	4378	4632	5049	3161
47	1975 Federal Report Surplus Deficit	1692	2104	1136	-507	98.7	167	1059	2397	3058	1690	2249	4391	4976	3260
48	1976 Federal Report Surplus Deficit	1706	1731	749	1003	1854	3138	3090	3729	3847	4104	4093	4624	4537	2747
49	1977 Federal Report Surplus Deficit	2080	2374	3220	205	128	-787	-864	-393	433	-1443	936	1889	-765	605
50	1978 Federal Report Surplus Deficit	308	-1106	-1377	-707	-555	1433	1217	1885	2726	4016	2898	4287	3660	2367
51	1979 Federal Report Surplus Deficit	925	175	898	306	186	-48.1	807	-703	2498	1249	2197	4346	2597	351
52	1980 Federal Report Surplus Deficit	18.5	-730	-120	-198	53.2	-948	189	54.6	498	2125	3213	4553	4311	1188
53	1981 Federal Report Surplus Deficit	649	-578	18.5	-54.0	54.2	2331	2424	2664	2694	52.3	2267	4070	4703	2348
54	1982 Federal Report Surplus Deficit	1661	2077	698	-155	383	1293	2396	4262	4513	3810	3539	4523	4980	2756

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	1807	2230	1838	861	508	1599	2745	3471	4336	3555	2857	4371	4560	2704
56	1984 Federal Report Surplus Deficit	1655	2101	601	-46.5	2122	1566	2263	3053	3361	4096	3873	4432	4946	2666
57	1985 Federal Report Surplus Deficit	1815	1506	596	26.6	409	705	765	876	2021	3109	3386	4489	3429	-335
58	1986 Federal Report Surplus Deficit	-271	-1216	-361	531	1362	716	1509	2989	4495	3643	3591	3952	4416	1752
59	1987 Federal Report Surplus Deficit	1086	-63.8	-231	-437	-66.5	837	493	-918	2195	667	1562	3750	3096	770
60	1988 Federal Report Surplus Deficit	-113	-1191	-586	-358	-65.5	-975	-1482	-1643	463	91.5	1751	3286	2238	1686
61	1989 Federal Report Surplus Deficit	637	-396	-526	-369	-313	522	-903	-734	1949	3093	3850	4247	3479	398
62	1990 Federal Report Surplus Deficit	219	-484	-268	-253	322	1077	1791	2312	2944	2388	4055	4124	4526	1892
63	1991 Federal Report Surplus Deficit	1483	1190	-98.0	-617	1901	1925	2518	2999	3117	3210	2730	4373	4353	2534
64	1992 Federal Report Surplus Deficit	1628	1966	38.0	-483	22.0	-314	30.7	-818	2129	41.8	938	3067	1361	658
65	1993 Federal Report Surplus Deficit	-15.9	-1174	-1081	-253	-25.1	-135	-1459	-1803	1422	646	2022	4013	3808	1440
66	1994 Federal Report Surplus Deficit	936	259	-130	-350	407	-274	-1368	-758	209	-517	1446	3608	2976	1329
67	1995 Federal Report Surplus Deficit	489	-793	-550	-462	-399	-73.3	-652	2743	3438	1843	1626	3781	4436	1968
68	1996 Federal Report Surplus Deficit	941	174	356	1066	2772	2995	3584	4185	4547	3945	4298	4425	4778	2744
69	1997 Federal Report Surplus Deficit	1704	2071	90.5	-289	294	1551	3569	3850	4770	4004	4416	4633	4914	2836
70	1998 Federal Report Surplus Deficit	1821	2238	1603	2471	1450	1367	884	1840	1932	1127	2316	4258	4708	2189
71	1999 Federal Report Surplus Deficit	1722	1170	60.1	-299	-358	1116	3102	3987	4360	3247	3573	4497	4987	2867
72	2000 Federal Report Surplus Deficit	1913	2284	1079	2.79	2177	2120	1805	2259	2885	3838	4044	4084	3801	2087
73	2001 Federal Report Surplus Deficit	1389	-661	-155	-244	16.6	-662	-822	-580	477	-1044	1154	2889	-1182	784
74	2002 Federal Report Surplus Deficit	112	-1020	-1350	-794	-407	161	-904	-279	1113	2469	3659	3751	4522	2595
75	2003 Federal Report Surplus Deficit	1443	612	-44.5	-666	303	-440	-1326	-786	2945	2394	2272	3608	4441	507
76	2004 Federal Report Surplus Deficit	-163	-1107	-734	-116	139	1034	-728	-1146	2194	1782	1879	3732	3642	493
77	2005 Federal Report Surplus Deficit	39.6	-576	879	21.9	164	1093	890	1083	1248	-45.2	1466	3793	3755	1205
78	2006 Federal Report Surplus Deficit	928	-310	-58.0	-208	151	521	2008	2503	2942	4130	4174	4499	4580	1736
79	2007 Federal Report Surplus Deficit	1225	-783	-407	-628	366	620	1855	861	3750	3109	2714	4129	3475	2109
80	2008 Federal Report Surplus Deficit	670	-679	-849	-105	-19.6	89.6	55.3	374	1440	1737	690	4518	4963	2366

Ranked Averages

81	**Bottom 10 pct**	**-34.5**	**-989**	**-492**	**-178**	**148**	**159**	**86.0**	**348**	**1934**	**1850**	**2658**	**3953**	**3965**	**1618**
82	**Middle 80 pct**	**1111**	**520**	**44.0**	**-0.55**	**374**	**785**	**1202**	**1512**	**2560**	**2328**	**2628**	**4075**	**3900**	**1861**
83	**Top 10 pct**	**1862**	**2023**	**1489**	**433**	**683**	**984**	**1466**	**2032**	**2676**	**2344**	**2807**	**4032**	**3819**	**2012**

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1098	1174	-105	-144	45.3	-695	-844	-642	149	-939	1016	1772	2151	-230
2	1930 Federal Report Surplus Deficit	428	-220	-58.3	-218	42.3	-607	-1763	-470	243	-286	1538	1974	-458	1431
3	1931 Federal Report Surplus Deficit	702	-340	-650	-298	207	-598	-2163	-1891	54.8	203	-300	2551	888	997
4	1932 Federal Report Surplus Deficit	772	-631	-495	-731	-518	-668	-2522	-2149	1988	3854	3784	3845	3892	1489
5	1933 Federal Report Surplus Deficit	1343	764	281	-113	-441	25.3	1687	2440	2775	2444	2326	3501	4204	2759
6	1934 Federal Report Surplus Deficit	1477	2099	220	714	2495	3108	3383	3786	3693	3988	3885	3318	2620	1536
7	1935 Federal Report Surplus Deficit	299	-457	-726	-160	-574	409	1358	2039	2770	1447	1660	3191	2541	2176
8	1936 Federal Report Surplus Deficit	1551	620	-289	-315	-91.6	-641	-1420	-1345	544	649	3451	3536	3390	1186
9	1937 Federal Report Surplus Deficit	826	-438	-433	-330	202	-631	-1606	-1727	80.4	-331	-183	2603	1213	847
10	1938 Federal Report Surplus Deficit	561	-583	-520	-120	-396	790	854	1255	3402	3238	4105	3698	3552	1936
11	1939 Federal Report Surplus Deficit	812	-101	145	-46.8	-138	-686	-241	137	1648	1757	2739	3406	1007	1049
12	1940 Federal Report Surplus Deficit	131	-701	-516	50.0	286	709	-376	-819	3471	2228	1942	3046	1546	980
13	1941 Federal Report Surplus Deficit	407	-846	-721	-132	-162	526	-1141	-778	489	-249	601	2466	1282	1390
14	1942 Federal Report Surplus Deficit	518	-509	-589	-291	493	903	865	576	1918	775	2302	2744	2914	2296
15	1943 Federal Report Surplus Deficit	1215	580	600	-31.6	-571	188	1693	2780	3284	4290	4220	3535	4107	2007
16	1944 Federal Report Surplus Deficit	1184	757	-176	-462	18.2	-764	-801	-566	97.8	-910	1013	1248	-594	574
17	1945 Federal Report Surplus Deficit	145	-831	-1078	-131	-8.43	-802	-1919	-943	285	-849	-1931	3333	3355	341
18	1946 Federal Report Surplus Deficit	944	80.0	-238	-368	-188	677	925	1554	2872	3458	4141	3765	3622	2200
19	1947 Federal Report Surplus Deficit	1479	1280	217	-487	74.7	2633	2710	3323	3697	2811	2644	3610	3548	2294
20	1948 Federal Report Surplus Deficit	1239	405	119	2166	1519	1615	2798	2569	2568	2709	3865	3857	3887	2611
21	1949 Federal Report Surplus Deficit	1615	2190	1076	-119	-34.5	245	919	673	3698	3413	3832	3659	3507	283
22	1950 Federal Report Surplus Deficit	126	-849	-626	-303	-71.3	288	2623	3498	4006	4018	3604	3791	4105	2546
23	1951 Federal Report Surplus Deficit	1724	2064	305	648	1821	2739	3373	4171	4179	3990	3947	3696	3371	2552
24	1952 Federal Report Surplus Deficit	1714	1978	267	1632	828	1627	2434	2541	3295	4035	4188	3782	3658	2110
25	1953 Federal Report Surplus Deficit	1097	289	-543	-470	-244	-579	1063	1163	2189	1517	2053	3585	4081	2485
26	1954 Federal Report Surplus Deficit	1256	925	151	-232	210	1062	2263	3145	3354	2959	2960	3695	3811	2969
27	1955 Federal Report Surplus Deficit	1887	2268	2710	-37.0	989	644	19.7	-110	598	858	1669	3148	4002	3065
28	1956 Federal Report Surplus Deficit	1571	1723	-93.3	146	1424	2653	3279	4113	4110	4103	4356	3834	3989	2593
29	1957 Federal Report Surplus Deficit	1607	1834	143	53.3	-74.2	1164	1192	335	2887	3829	2672	3782	3924	2114
30	1958 Federal Report Surplus Deficit	1253	199	-51.2	-222	75.2	-127	1480	1788	2697	2749	3287	3686	3734	1698
31	1959 Federal Report Surplus Deficit	730	385	-101	-89.7	533	2332	3127	3545	3421	3394	2870	3415	4053	2157
32	1960 Federal Report Surplus Deficit	1719	2214	2657	3043	2553	2160	2122	1309	2746	4179	3695	3405	3574	2012
33	1961 Federal Report Surplus Deficit	1300	197	-170	-143	-46.4	485	1745	2755	3292	3104	2128	3568	3894	1910
34	1962 Federal Report Surplus Deficit	1221	583	-344	-356	29.8	-114	1299	1663	995	3847	3967	3577	3770	660
35	1963 Federal Report Surplus Deficit	928	232	-240	262	908	2047	2076	1930	2373	1332	1786	3246	3159	2061
36	1964 Federal Report Surplus Deficit	1128	447	339	-398	-290	380	394	237	1060	3175	1934	3590	4113	2886
37	1965 Federal Report Surplus Deficit	1619	1989	924	674	644	2729	3511	4208	4008	2553	4025	3812	3607	2320
38	1966 Federal Report Surplus Deficit	1616	1859	-308	85.4	342	703	1135	947	1089	3669	2498	2916	2802	2124
39	1967 Federal Report Surplus Deficit	1430	323	-58.8	-436	-166	690	2775	3379	3549	1950	319	3443	3921	2541
40	1968 Federal Report Surplus Deficit	1539	1404	168	-195	430	709	2329	2371	3018	1036	1072	2401	3485	2254
41	1969 Federal Report Surplus Deficit	1571	1455	1390	745	1503	1654	3155	3781	3343	3974	3978	3721	3670	2296
42	1970 Federal Report Surplus Deficit	1385	1217	135	-173	214	-230	1463	1611	2238	2148	788	3248	3839	1741
43	1971 Federal Report Surplus Deficit	487	-202	-215	-455	-64.3	52.4	3291	3998	4193	3884	3861	3839	3929	2864
44	1972 Federal Report Surplus Deficit	1864	2204	709	151	94.7	1033	3171	4274	4653	4322	3523	3984	4011	2841
45	1973 Federal Report Surplus Deficit	1725	2110	1278	64.9	148	647	1372	516	583	-1518	517	2444	1174	919
46	1974 Federal Report Surplus Deficit	566	-872	-729	-261	-501	1800	3467	3770	4452	4357	4296	3831	4002	3125
47	1975 Federal Report Surplus Deficit	1693	2144	1087	-549	64.2	128	1010	2370	3027	1621	2172	3665	3982	3227
48	1976 Federal Report Surplus Deficit	1706	1769	697	961	1819	3100	3041	3702	3816	4034	4016	3861	3700	2711
49	1977 Federal Report Surplus Deficit	2083	2415	3178	163	93.4	-826	-913	-420	403	-1513	859	1087	-1602	570
50	1978 Federal Report Surplus Deficit	319	-1056	-1420	-749	-590	1394	1168	1858	2696	3946	2821	3526	2822	2332
51	1979 Federal Report Surplus Deficit	923	211	844	264	151	-86.4	758	-730	2467	1179	2120	3559	1759	316
52	1980 Federal Report Surplus Deficit	28.4	-682	-163	-240	18.7	-986	140	27.4	467	2055	3137	3792	3474	1152
53	1981 Federal Report Surplus Deficit	658	-531	-24.8	-96.3	19.6	2292	2375	2637	2663	-17.5	2190	3268	3866	2312
54	1982 Federal Report Surplus Deficit	1670	2125	652	-197	348	1255	2347	4235	4449	3740	3462	3801	4142	2720

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *Continued*

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	1804	2265	1786	819	474	1560	2696	3443	4286	3485	2781	3645	3652	2687
56	1984 Federal Report Surplus Deficit	1655	2140	550	-88.8	2088	1528	2214	3025	3330	4026	3796	3631	4054	2631
57	1985 Federal Report Surplus Deficit	1815	1545	545	-15.6	374	666	716	849	1990	3039	3310	3709	2592	-371
58	1986 Federal Report Surplus Deficit	-269	-1176	-410	489	1327	678	1460	2962	4364	3566	3514	3155	3585	1716
59	1987 Federal Report Surplus Deficit	1087	-24.8	-277	-479	-101	799	444	-945	2164	597	1485	2948	2258	735
60	1988 Federal Report Surplus Deficit	-101	-1141	-626	-400	-100	-1013	-1531	-1671	432	21.7	1675	2485	1400	1651
61	1989 Federal Report Surplus Deficit	648	-347	-568	-412	-348	483	-952	-761	1918	3023	3773	3445	2641	362
62	1990 Federal Report Surplus Deficit	226	-438	-313	-295	288	1039	1742	2285	2913	2318	3978	3322	3689	1856
63	1991 Federal Report Surplus Deficit	1492	1238	-142	-659	1866	1887	2469	2972	3086	3140	2653	3572	3515	2498
64	1992 Federal Report Surplus Deficit	1637	2013	-4.83	-525	-12.6	-353	-18.2	-845	2098	-28.0	862	2265	523	622
65	1993 Federal Report Surplus Deficit	-5.58	-1126	-1123	-295	-59.7	-173	-1508	-1830	1391	576	1946	3212	2970	1404
66	1994 Federal Report Surplus Deficit	941	302	-176	-392	372	-312	-1417	-786	178	-587	1369	2807	2138	1294
67	1995 Federal Report Surplus Deficit	498	-745	-593	-504	-434	-112	-701	2716	3407	1773	1549	2979	3577	1961
68	1996 Federal Report Surplus Deficit	936	211	302	1024	2738	2957	3535	4158	4477	3918	4223	3697	3889	2715
69	1997 Federal Report Surplus Deficit	1704	2110	39.6	-331	259	1513	3520	3823	4705	3935	4339	3839	4021	2800
70	1998 Federal Report Surplus Deficit	1822	2277	1551	2429	1416	1329	835	1813	1901	1057	2239	3554	3850	2196
71	1999 Federal Report Surplus Deficit	1725	1210	8.74	-341	-393	1078	3053	3959	4330	3177	3497	3738	4056	2832
72	2000 Federal Report Surplus Deficit	1918	2327	1031	-39.4	2143	2081	1756	2232	2855	3768	3967	3282	2963	2052
73	2001 Federal Report Surplus Deficit	1399	-613	-198	-287	-18.0	-701	-871	-607	446	-1114	1077	2087	-2020	748
74	2002 Federal Report Surplus Deficit	122	-971	-1391	-837	-442	123	-952	-306	1082	2400	3583	2949	3684	2560
75	2003 Federal Report Surplus Deficit	1452	659	-87.7	-708	269	-478	-1375	-813	2915	2324	2196	2807	3604	471
76	2004 Federal Report Surplus Deficit	-152	-1058	-776	-158	104	995	-777	-1174	2163	1712	1803	2930	2804	458
77	2005 Federal Report Surplus Deficit	48.3	-529	837	-20.4	130	1055	841	1056	1218	-115	1389	2991	2918	1170
78	2006 Federal Report Surplus Deficit	934	-265	-105	-251	116	483	1959	2476	2911	4060	4098	3740	3649	1760
79	2007 Federal Report Surplus Deficit	1232	-737	-452	-670	332	582	1806	834	3720	3039	2637	3327	2638	2073
80	2008 Federal Report Surplus Deficit	672	-638	-893	-148	-54.2	51.3	6.39	347	1410	1667	613	3745	4111	2330

Ranked Averages

81	**Bottom 10 pct**	**-25.4**	**-941**	**-535**	**-220**	**113**	**121**	**37.1**	**320**	**1891**	**1779**	**2581**	**3163**	**3118**	**1582**
82	**Middle 80 pct**	**1116**	**565**	**-1.84**	**-42.8**	**339**	**746**	**1153**	**1485**	**2525**	**2259**	**2551**	**3298**	**3036**	**1828**
83	**Top 10 pct**	**1865**	**2064**	**1440**	**391**	**649**	**946**	**1417**	**2005**	**2627**	**2274**	**2731**	**3269**	**2940**	**1984**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	6365	5587	6918	6738	5617	2895	2624	3704	5055	4497	6186	10672	8848	4967
2	1930 Regional Report Surplus Deficit	5111	3281	7025	5996	5135	2736	426	3880	4712	4863	7038	9419	6468	5867
3	1931 Regional Report Surplus Deficit	5226	3612	6588	5615	5528	2454	586	1993	3685	5919	2867	10280	6159	4936
4	1932 Regional Report Surplus Deficit	4894	3414	6243	4909	4545	2522	133	1378	7561	11202	10538	12426	11036	6113
5	1933 Regional Report Surplus Deficit	6085	5267	7454	6262	4894	3239	6168	8234	8766	9132	8247	11479	11438	7930
6	1934 Regional Report Surplus Deficit	6662	7006	7518	7872	9121	8468	8947	10561	10219	11360	10295	11356	8647	5946
7	1935 Regional Report Surplus Deficit	5204	3966	6195	5709	4716	3613	5648	7173	7826	8804	7523	11313	9183	6838
8	1936 Regional Report Surplus Deficit	6440	4829	6562	6214	5285	2684	1125	2373	5559	6210	10075	12273	10591	5939
9	1937 Regional Report Surplus Deficit	5357	3913	6515	5943	5565	2680	920	2097	4779	5102	4584	10801	7807	5509
10	1938 Regional Report Surplus Deficit	5197	3287	6905	5903	4749	4079	5323	7010	9364	10686	11020	12150	10371	6921
11	1939 Regional Report Surplus Deficit	5862	4871	6993	6553	5264	2973	3308	4388	6783	9099	8773	12063	7910	5601
12	1940 Regional Report Surplus Deficit	4635	2452	6437	6205	5957	3836	2498	4551	8472	9161	8897	11683	8856	5057
13	1941 Regional Report Surplus Deficit	4302	2228	6463	6338	4930	3594	2265	3935	4710	4918	5522	9957	7717	5043
14	1942 Regional Report Surplus Deficit	4689	3753	7518	5547	5451	5139	5425	4578	5591	5649	8135	10748	10397	7296
15	1943 Regional Report Surplus Deficit	5997	5316	8101	6381	4685	3864	6373	8216	9396	11847	11279	11985	11300	6876
16	1944 Regional Report Surplus Deficit	6263	5750	6942	6418	5591	2990	2809	3988	4772	4192	6262	8652	4935	4410
17	1945 Regional Report Surplus Deficit	4173	2543	5963	5647	5202	2037	1194	2802	4310	4121	2810	11763	10401	4789
18	1946 Regional Report Surplus Deficit	5665	4183	7108	6091	5272	3939	5307	6968	9063	10692	11057	12242	10800	7226
19	1947 Regional Report Surplus Deficit	6767	6305	7517	6307	5577	7828	8119	10059	9818	9667	8887	12049	10674	7156
20	1948 Regional Report Surplus Deficit	5814	4641	7138	9942	7772	6036	7888	8442	8324	9662	10638	12508	10673	7737
21	1949 Regional Report Surplus Deficit	6872	7060	8066	6845	5555	3857	5305	4968	10159	10589	10924	12427	10598	4893
22	1950 Regional Report Surplus Deficit	4994	3212	6640	6255	5390	3738	7896	9079	10671	11411	10148	11801	11172	7700
23	1951 Regional Report Surplus Deficit	6932	7156	7775	8076	8389	8072	8877	11046	10890	11576	10678	12146	10642	7503
24	1952 Regional Report Surplus Deficit	6943	6724	7680	9443	6887	6073	7324	8870	9604	11540	11174	12416	10949	7102
25	1953 Regional Report Surplus Deficit	6033	5533	6656	6131	5417	2814	3225	8055	7857	8006	8226	12107	11356	7622
26	1954 Regional Report Surplus Deficit	6419	6189	7503	6665	5901	5227	7582	9586	9650	10194	9345	12059	10889	8261
27	1955 Regional Report Surplus Deficit	7112	7269	11015	6941	6971	4513	4011	3501	3920	6495	7252	11114	11252	8401
28	1956 Regional Report Surplus Deficit	6814	6598	7211	7227	7637	7847	8775	10646	10502	11368	11038	12252	11375	7847
29	1957 Regional Report Surplus Deficit	6915	6865	7568	7182	5535	5474	5472	5157	9241	11515	9292	12837	11198	6742
30	1958 Regional Report Surplus Deficit	6201	5174	7097	6445	5613	3627	5849	7498	8877	9846	9951	12311	11008	6435
31	1959 Regional Report Surplus Deficit	5705	5054	6892	6427	6654	7249	8622	10031	9822	10851	9075	11721	11088	7130
32	1960 Regional Report Surplus Deficit	6809	7087	11022	11216	9269	6924	6887	7129	8953	11992	10256	11734	10689	6623
33	1961 Regional Report Surplus Deficit	6276	4774	6715	6655	5556	4218	6265	8387	9701	10723	7928	11768	10724	6313
34	1962 Regional Report Surplus Deficit	5900	5152	6662	6310	5522	3214	5644	7301	6903	11223	10700	12048	10911	4931
35	1963 Regional Report Surplus Deficit	5915	5084	6758	7157	6962	6705	6016	7370	7267	8075	7964	12025	10882	6856
36	1964 Regional Report Surplus Deficit	5978	5248	7413	6331	5136	4246	4525	5593	6737	10434	7873	11812	11441	8174
37	1965 Regional Report Surplus Deficit	6812	6920	8540	7858	6491	7865	8837	10908	10556	9680	10988	12172	10762	7005
38	1966 Regional Report Surplus Deficit	6891	6928	7107	7128	6115	4701	5529	6461	6038	11297	8583	11318	9460	6821
39	1967 Regional Report Surplus Deficit	5987	4934	6818	6178	5236	4738	7676	9945	10206	8752	5154	11658	10973	7594
40	1968 Regional Report Surplus Deficit	6530	6248	7430	6807	6219	4742	6912	9239	9291	7294	6445	10415	10611	7108
41	1969 Regional Report Surplus Deficit	6578	6413	9159	8164	7767	6089	8385	10282	9597	11325	10622	12291	10891	7195
42	1970 Regional Report Surplus Deficit	6601	5979	7200	6607	5852	3424	5553	7118	8132	8950	6970	11964	11082	6187
43	1971 Regional Report Surplus Deficit	5697	4799	6876	6311	5572	3904	8655	10725	10718	11151	10225	12330	11272	8337
44	1972 Regional Report Surplus Deficit	7215	7287	8357	7384	5938	5160	8465	10968	11468	11945	9913	12449	11032	8085
45	1973 Regional Report Surplus Deficit	6957	7116	9132	7216	5959	4688	5753	5144	5952	3714	5807	10019	8658	5388
46	1974 Regional Report Surplus Deficit	4913	2846	6788	5913	5286	5404	8961	10639	11022	11344	10686	11721	10987	8555
47	1975 Regional Report Surplus Deficit	7070	7159	8240	6368	5697	3942	5489	8313	9395	8036	7975	12102	11335	8676
48	1976 Regional Report Surplus Deficit	6941	6804	8325	8497	8307	8658	8503	10325	10360	11599	10644	12379	11042	7803
49	1977 Regional Report Surplus Deficit	7399	7492	11781	7264	5750	2876	2415	4388	5052	3538	6400	7926	4993	4468
50	1978 Regional Report Surplus Deficit	4450	2922	6013	4764	4578	6098	4986	6759	8431	11175	9258	12268	9514	7005
51	1979 Regional Report Surplus Deficit	5957	4993	9140	7243	5775	3276	4055	4035	8598	7381	8025	12562	8513	4889
52	1980 Regional Report Surplus Deficit	4184	3031	6557	6225	5302	2537	3216	4887	5857	8541	9845	12760	10660	5700
53	1981 Regional Report Surplus Deficit	5228	3793	6943	6525	5478	7300	7520	7347	7440	5722	8817	12027	11000	7207
54	1982 Regional Report Surplus Deficit	6405	6834	7710	6666	6095	5485	7227	10902	11046	11068	9669	12028	11306	7775

Regional Report Surplus Deficit By Water Year

Operating Year 2014

2013 White Book Report Date: **10/1/2013** *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	7013	7215	9781	8304	6364	6009	7878	9798	10957	10907	9091	12066	10989	7604
56	1984 Regional Report Surplus Deficit	6675	7225	8157	7013	8806	5966	7254	9295	9859	11707	10459	12143	11522	7865
57	1985 Regional Report Surplus Deficit	6841	6258	7679	7118	6363	4646	4981	6382	7806	10248	9772	12212	9535	3610
58	1986 Regional Report Surplus Deficit	3970	1641	6745	6332	7403	4564	6031	9166	11247	10798	10020	11540	10551	6391
59	1987 Regional Report Surplus Deficit	5761	4298	6872	6250	5530	4880	3904	3138	7512	6682	7147	11499	8592	5277
60	1988 Regional Report Surplus Deficit	3841	1332	6539	5769	4887	2398	1214	2429	4619	5436	7572	10849	8860	5971
61	1989 Regional Report Surplus Deficit	4718	3175	6813	5390	4673	3571	2828	3902	7244	10102	10301	11892	9358	5179
62	1990 Regional Report Surplus Deficit	4779	2921	6777	5960	5718	4335	6251	8473	9089	9379	10939	11567	10711	6700
63	1991 Regional Report Surplus Deficit	6542	6128	7023	5773	8214	6244	6924	9733	9276	10355	8937	11784	10350	7375
64	1992 Regional Report Surplus Deficit	6686	6854	7074	6086	5428	2893	2842	3838	5974	5511	6187	10753	7407	4024
65	1993 Regional Report Surplus Deficit	3482	1448	6000	5552	5188	3048	919	2060	6633	6534	7830	11414	9708	6473
66	1994 Regional Report Surplus Deficit	5558	4121	6708	5499	5741	2951	1462	2243	5059	4902	7005	10740	8360	5585
67	1995 Regional Report Surplus Deficit	4705	2591	6497	5380	4708	2450	2803	7766	9297	9499	7616	11750	10890	6625
68	1996 Regional Report Surplus Deficit	5932	4951	7849	7293	9491	8322	9089	11244	11351	11232	11416	12297	11082	7896
69	1997 Regional Report Surplus Deficit	6886	6980	7225	6548	5956	5924	9032	10541	11462	11289	11253	12147	11053	8122
70	1998 Regional Report Surplus Deficit	7123	7343	9515	10376	7710	5694	5128	7430	7827	7775	8664	12352	11250	7080
71	1999 Regional Report Surplus Deficit	6366	4798	7191	6469	5101	5251	8332	10594	10807	10245	10266	12109	11509	8206
72	2000 Regional Report Surplus Deficit	7431	7572	8673	6878	8684	6782	6498	7964	9119	11412	10915	11693	9724	6635
73	2001 Regional Report Surplus Deficit	6529	4048	6883	6378	5404	2833	2403	3982	4885	3940	6286	9461	3967	4448
74	2002 Regional Report Surplus Deficit	3798	2346	5895	4035	4567	2546	2031	4251	5673	10143	10147	11039	10734	7553
75	2003 Regional Report Surplus Deficit	6611	5838	6976	5639	5569	2980	1784	3392	8667	9135	8179	11003	10707	5334
76	2004 Regional Report Surplus Deficit	4359	1918	6442	5722	5618	4006	2703	3501	6105	7856	8165	11451	9597	5653
77	2005 Regional Report Surplus Deficit	4799	3693	7283	6494	5415	4763	4885	5311	6464	5538	6995	11505	9873	5957
78	2006 Regional Report Surplus Deficit	5367	3197	6590	5336	5474	4084	6741	8539	9078	11622	10713	12336	10880	6608
79	2007 Regional Report Surplus Deficit	5433	4065	6752	5825	5797	3953	6184	5792	10411	9917	8685	11657	9197	6911
80	2008 Regional Report Surplus Deficit	5839	2878	6498	5539	5141	2966	3511	3856	7579	7934	6296	12113	11495	7370

Ranked Averages

81	**Bottom 10 pct**	**4014**	**2061**	**6326**	**5702**	**5387**	**3091**	**2447**	**4129**	**6144**	**7293**	**7739**	**11347**	**9779**	**5947**
82	**Middle 80 pct**	**5968**	**5043**	**7222**	**6588**	**5991**	**4718**	**5561**	**7078**	**8435**	**9267**	**8928**	**11714**	**10077**	**6610**
83	**Top 10 pct**	**7165**	**7307**	**9562**	**7592**	**6634**	**4958**	**5705**	**7188**	**7961**	**7978**	**8252**	**11215**	**9904**	**7042**

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	5320	4249	5991	5873	4892	2296	2288	3808	4909	4854	6910	8997	7433	3382
2	1930 Regional Report Surplus Deficit	3912	1958	6184	5263	4590	2155	997	3955	4972	5568	7419	8193	3776	5476
3	1931 Regional Report Surplus Deficit	4083	2232	5771	4897	4738	2052	358	1719	4504	6406	5150	9354	4937	4561
4	1932 Regional Report Surplus Deficit	3730	2012	5116	4346	3862	2088	-300	1483	7304	11581	10857	11364	9654	5720
5	1933 Regional Report Surplus Deficit	5071	3844	6679	5769	4240	3306	5768	7990	8532	9512	8575	10456	10025	7568
6	1934 Regional Report Surplus Deficit	5696	6006	6699	7026	8349	7745	8565	10244	10025	11690	10610	10314	7347	5488
7	1935 Regional Report Surplus Deficit	3990	2550	5316	5473	3977	3808	5335	7576	8488	8224	7830	10355	7947	6638
8	1936 Regional Report Surplus Deficit	5453	3402	5435	4929	4499	2062	1451	2783	5525	7146	10548	11337	9233	5394
9	1937 Regional Report Surplus Deficit	4213	2544	5388	4839	4710	2041	1073	1880	4517	5423	4820	9356	6081	4702
10	1938 Regional Report Surplus Deficit	3957	2010	6071	5153	4101	4474	4729	6467	9363	10587	11334	11043	9349	6396
11	1939 Regional Report Surplus Deficit	4716	3440	6159	5872	4546	2357	3406	5048	7123	8615	9191	10965	5728	4982
12	1940 Regional Report Surplus Deficit	3398	1225	5499	5406	4879	4131	3023	3881	9730	9406	8119	10464	6380	4799
13	1941 Regional Report Surplus Deficit	2990	1021	5604	5310	4033	3857	1954	3768	5325	5445	5845	8874	5377	4860
14	1942 Regional Report Surplus Deficit	3494	2342	6675	5511	5356	4587	4719	5630	7387	7103	8541	9747	8506	6913
15	1943 Regional Report Surplus Deficit	4965	3931	7333	5873	3996	3679	5837	8561	9272	12022	11573	10862	9907	6543
16	1944 Regional Report Surplus Deficit	5200	4371	6027	4866	4640	2320	2433	3874	4942	4505	6971	6855	2776	3345
17	1945 Regional Report Surplus Deficit	2957	1202	5099	4623	4145	1838	873	3348	5044	4809	2682	10712	9087	4104
18	1946 Regional Report Surplus Deficit	4562	2779	6257	5049	4481	4330	4912	6883	8719	10970	11357	11157	9487	6892
19	1947 Regional Report Surplus Deficit	5806	5030	6713	5373	4976	7230	7318	9485	9894	10110	9201	11027	9303	6874
20	1948 Regional Report Surplus Deficit	4762	3209	6285	9133	6982	5649	7443	8341	8256	10083	11008	11386	9230	7426
21	1949 Regional Report Surplus Deficit	5984	6087	7289	5950	4825	3589	4751	5626	9857	10965	11053	11244	9296	4300
22	1950 Regional Report Surplus Deficit	3689	1974	5513	5045	4617	3749	7273	9573	10387	11742	10415	10737	9745	7412
23	1951 Regional Report Surplus Deficit	6024	6172	6964	7176	7597	7478	8496	10874	10600	11794	10966	11044	9073	7254
24	1952 Regional Report Surplus Deficit	6037	5594	6865	8627	6122	5691	6907	8357	9324	11808	11600	11288	9590	6698
25	1953 Regional Report Surplus Deficit	5025	4141	5527	4748	4195	2183	5111	6520	7871	8399	8464	11028	9918	7313
26	1954 Regional Report Surplus Deficit	5425	4873	6664	5712	5153	4909	6818	9170	9346	10525	9742	10950	9416	7825
27	1955 Regional Report Surplus Deficit	6231	6330	10060	6047	6198	4230	3726	4571	5225	7633	7628	10003	9852	7995
28	1956 Regional Report Surplus Deficit	5897	5433	6324	6297	6851	7267	8332	10354	10232	11606	11349	11138	9956	7549
29	1957 Regional Report Surplus Deficit	5985	5756	6728	6264	4807	5144	5282	5338	8887	11922	9305	11604	9818	6545
30	1958 Regional Report Surplus Deficit	5120	3745	6233	5628	4885	3303	5735	7430	8567	10268	10341	11172	9563	6043
31	1959 Regional Report Surplus Deficit	4605	3623	5995	5751	5544	6730	8174	9764	9536	11213	9472	10666	9673	6719
32	1960 Regional Report Surplus Deficit	5882	6130	10068	10477	8500	6411	6481	6724	8684	12305	10570	10686	9338	6396
33	1961 Regional Report Surplus Deficit	5216	3343	5783	5791	4756	3944	5886	8589	9322	10605	8276	10706	9296	6116
34	1962 Regional Report Surplus Deficit	4786	3745	5738	4966	4750	3029	5292	7165	6143	11788	10933	10974	9500	4613
35	1963 Regional Report Surplus Deficit	4805	3653	5803	5867	6041	6257	6409	7679	8091	8232	8125	10992	8852	6506
36	1964 Regional Report Surplus Deficit	4926	3834	6608	5408	4405	3894	4170	5156	6290	10851	8188	10746	10023	7831
37	1965 Regional Report Surplus Deficit	5885	5921	7772	6996	5731	7266	8479	10600	10265	9880	11313	11063	9399	6949
38	1966 Regional Report Surplus Deficit	5966	5875	6209	6225	5317	4389	5184	6156	6416	11629	9112	9949	8208	6492
39	1967 Regional Report Surplus Deficit	4951	3507	5946	4852	4462	4328	7462	9464	9714	9147	5682	10534	9594	7329
40	1968 Regional Report Surplus Deficit	5538	4988	6610	5893	5463	4457	6927	8311	9180	7692	6805	9321	9224	6751
41	1969 Regional Report Surplus Deficit	5618	5221	8353	7310	6979	5703	7935	9982	9339	11449	10806	11229	9528	6924
42	1970 Regional Report Surplus Deficit	5615	4653	6345	5816	5119	3104	5754	7240	8104	9368	6570	10770	9663	6040
43	1971 Regional Report Surplus Deficit	4558	3372	5957	4926	4810	3521	8187	10401	10502	11422	10620	11280	9903	7921
44	1972 Regional Report Surplus Deficit	6315	6321	7583	6444	5199	4863	8011	10677	11199	12203	10175	11341	9617	7713
45	1973 Regional Report Surplus Deficit	6058	6161	8347	6307	5216	4413	5618	5638	5649	4053	6156	8928	6067	4863
46	1974 Regional Report Surplus Deficit	3692	1547	5936	5106	4196	5977	8651	10236	10857	11424	10820	10617	9573	8149
47	1975 Regional Report Surplus Deficit	6179	6211	7468	5394	4959	3645	5090	8099	8976	8430	8355	10973	9942	8299
48	1976 Regional Report Surplus Deficit	6025	5654	7553	7644	7517	7961	8055	10046	10101	11923	10962	11295	9581	7582
49	1977 Regional Report Surplus Deficit	6553	6548	10808	6377	5018	2283	2097	4122	5268	4248	6335	6878	1355	3888
50	1978 Regional Report Surplus Deficit	3199	1588	4992	4405	3785	5253	5206	7431	8512	11494	9625	11172	8280	6979
51	1979 Regional Report Surplus Deficit	4849	3563	8323	6362	5046	3193	4385	3920	8346	7776	8409	11341	6874	4026
52	1980 Regional Report Surplus Deficit	2856	1755	5552	5539	4567	1925	3818	5057	5613	8982	10258	11657	9286	5372
53	1981 Regional Report Surplus Deficit	4098	2391	6098	5728	4753	6677	7038	8626	8526	6134	8502	10592	9579	6858
54	1982 Regional Report Surplus Deficit	5455	5842	6919	5823	5288	5146	6816	10649	10926	11474	10035	10941	9932	7597

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *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	6104	6270	8949	7445	5613	5641	7429	9597	10712	11243	9127	10920	9485	7499
56	1984 Regional Report Surplus Deficit	5761	6252	7376	6116	8017	5603	6813	9145	9582	12031	10640	11121	10106	7509
57	1985 Regional Report Surplus Deficit	5854	4910	6894	6297	5624	4368	4626	6044	7498	10616	10075	11123	7982	3116
58	1986 Regional Report Surplus Deficit	2852	713	5775	6788	6797	4147	5608	8894	10967	11123	10372	10507	9182	6076
59	1987 Regional Report Surplus Deficit	4668	2879	5968	5223	4796	4593	4336	3623	7967	7078	7522	10096	7234	4576
60	1988 Regional Report Surplus Deficit	2649	363	5626	4782	3928	1655	1349	2114	5106	6311	7910	9554	6133	5706
61	1989 Regional Report Surplus Deficit	3474	1830	5975	4839	4121	3848	2215	3754	7401	10604	10695	10880	8124	4160
62	1990 Regional Report Surplus Deficit	3551	1667	5849	4984	5130	4711	6031	7823	8780	9585	11261	10563	9416	6241
63	1991 Regional Report Surplus Deficit	5568	4848	6116	4633	7357	5831	6890	8888	8907	10689	8897	10751	9142	7078
64	1992 Regional Report Surplus Deficit	5735	5825	6199	4686	4663	2682	3517	3621	7528	5875	6393	8708	4285	3635
65	1993 Regional Report Surplus Deficit	2257	317	5139	4940	4198	2716	1295	1791	6397	6907	8227	10311	8501	5695
66	1994 Regional Report Surplus Deficit	4408	2716	5867	4773	4925	2539	1560	3360	4959	5300	7426	9685	7187	5309
67	1995 Regional Report Surplus Deficit	3482	1305	5661	4611	3941	2959	2666	8557	9568	8537	7427	10566	9409	6466
68	1996 Regional Report Surplus Deficit	4832	3521	7081	7341	8729	7703	8739	10940	11172	11485	11633	11166	9698	7544
69	1997 Regional Report Surplus Deficit	5969	5978	6310	5576	5210	5562	8660	10196	11296	11525	11519	11066	9647	7769
70	1998 Regional Report Surplus Deficit	6221	6397	8714	9626	6924	5369	4930	7486	7714	7838	8606	11058	9786	6802
71	1999 Regional Report Surplus Deficit	5382	3370	6315	5512	4300	5013	7935	10269	10705	10566	10336	11033	10102	7861
72	2000 Regional Report Surplus Deficit	6548	6627	7901	6076	7824	6337	6144	7833	8758	11708	11208	10501	8603	6518
73	2001 Regional Report Surplus Deficit	5511	2697	5962	5550	4664	2237	2072	3705	5322	4619	6880	8219	670	3462
74	2002 Regional Report Surplus Deficit	2508	1069	4768	3777	3890	3278	2263	4238	6148	9673	10511	10000	9347	7206
75	2003 Regional Report Surplus Deficit	5611	4471	6127	4148	4663	2337	1623	3450	8791	9505	8567	9950	9364	4387
76	2004 Regional Report Surplus Deficit	3049	850	5404	5201	4478	4505	2426	3246	7800	8318	7837	10186	8312	4324
77	2005 Regional Report Surplus Deficit	3555	2315	6486	5661	4678	4459	4546	6073	6290	5928	7372	10427	8407	5225
78	2006 Regional Report Surplus Deficit	4211	1871	5735	4713	4612	3881	6348	8229	8827	11794	11005	11258	9549	6076
79	2007 Regional Report Surplus Deficit	4266	2643	5831	4466	5048	4036	5942	5901	10144	10281	9029	10566	7904	6581
80	2008 Regional Report Surplus Deficit	4678	1670	5370	5089	4242	3082	3396	4964	6588	8476	6360	10978	10087	7053

Ranked Averages

81	**Bottom 10 pct**	**2765**	**911**	**5371**	**5120**	**4505**	**2990**	**2448**	**4057**	**6550**	**7696**	**7955**	**10225**	**8153**	**5418**
82	**Middle 80 pct**	**4902**	**3752**	**6341**	**5713**	**5219**	**4411**	**5351**	**7024**	**8417**	**9580**	**9236**	**10570**	**8560**	**6185**
83	**Top 10 pct**	**6276**	**6358**	**8729**	**6715**	**5869**	**4598**	**5381**	**7253**	**7938**	**8420**	**8449**	**10075**	**8088**	**6697**

Regional Report Surplus Deficit By Water Year

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

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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	4822	4382	5640	5800	4832	2155	1748	3418	4603	2888	5422	10509	8324	2961
2	1930 Regional Report Surplus Deficit	3435	2151	5484	5190	4530	2013	457	3565	4666	3601	5931	9704	4667	5055
3	1931 Regional Report Surplus Deficit	3666	2050	4928	4824	4678	1911	-182	1329	4198	4439	3662	10866	5828	4140
4	1932 Regional Report Surplus Deficit	3670	1190	4786	4273	3802	1947	-840	1093	6998	9598	9353	12844	10510	5299
5	1933 Regional Report Surplus Deficit	4789	3362	6092	5696	4180	3164	5228	7600	8226	7546	7087	11970	10901	7148
6	1934 Regional Report Surplus Deficit	5366	5699	6207	6953	8289	7603	8024	9854	9717	9714	9112	11823	8235	5067
7	1935 Regional Report Surplus Deficit	3358	1952	4582	5400	3917	3666	4794	7186	8182	6258	6341	11860	8837	6217
8	1936 Regional Report Surplus Deficit	5260	3621	5179	4856	4439	1920	910	2392	5219	5172	9057	12906	10140	4958
9	1937 Regional Report Surplus Deficit	3928	2149	5092	4766	4650	1899	532	1490	4211	3456	3331	10867	6972	4281
10	1938 Regional Report Surplus Deficit	4021	2054	5041	5080	4041	4333	4188	6076	9057	8593	9832	12580	10212	5960
11	1939 Regional Report Surplus Deficit	4352	2661	5799	5799	4486	2216	2866	4657	6817	6645	7700	12513	6617	4561
12	1940 Regional Report Surplus Deficit	3001	1458	5107	5333	4819	3989	2482	3490	9421	7437	6629	11972	7271	4378
13	1941 Regional Report Surplus Deficit	3099	960	4727	5238	3973	3715	1413	3378	5019	3479	4357	10390	6268	4439
14	1942 Regional Report Surplus Deficit	2951	1123	4797	5438	5296	4445	4179	5239	7081	5131	7049	11250	9380	6493
15	1943 Regional Report Surplus Deficit	4650	3450	6580	5800	3937	3537	5297	8171	8964	9999	10027	12444	10831	6123
16	1944 Regional Report Surplus Deficit	4894	3972	5655	4793	4580	2179	1893	3484	4636	2538	5481	8367	3667	2924
17	1945 Regional Report Surplus Deficit	1923	186	3849	4550	4086	1697	332	2957	4738	2843	1194	12252	9983	3862
18	1946 Regional Report Surplus Deficit	4243	2815	5379	4976	4422	4189	4371	6492	8411	8952	9844	12651	10325	6471
19	1947 Regional Report Surplus Deficit	5458	4675	6178	5300	4916	7088	6778	9094	9582	8138	7704	12552	10206	6454
20	1948 Regional Report Surplus Deficit	4627	2939	5902	9060	6922	5507	6903	7951	7950	8082	9502	12933	10127	6998
21	1949 Regional Report Surplus Deficit	5485	5868	7451	5877	4765	3448	4210	5236	9547	8957	9534	12763	10158	3879
22	1950 Regional Report Surplus Deficit	3447	1731	4868	4972	4557	3607	6732	9183	10062	9768	8918	12288	10639	6994
23	1951 Regional Report Surplus Deficit	5768	5745	6487	7103	7537	7336	7956	10484	10279	9800	9452	12562	9946	6834
24	1952 Regional Report Surplus Deficit	5570	5556	6388	8554	6062	5550	6366	7967	9016	9785	10081	12805	10441	6277
25	1953 Regional Report Surplus Deficit	4493	3153	5181	4675	4135	2041	4571	6129	7565	6431	6976	12544	10796	6893
26	1954 Regional Report Surplus Deficit	4797	4234	6193	5639	5093	4768	6277	8779	9040	8554	8249	12479	10276	7433
27	1955 Regional Report Surplus Deficit	5933	6055	9714	5974	6139	4088	3185	4180	4919	5666	6140	11514	10694	7568
28	1956 Regional Report Surplus Deficit	5521	5215	5844	6224	6791	7125	7791	9964	9911	9593	9847	12666	10804	7133
29	1957 Regional Report Surplus Deficit	5642	5475	6260	6191	4747	5003	4741	4947	8581	9948	7802	13116	10675	6124
30	1958 Regional Report Surplus Deficit	5002	3138	5733	5555	4825	3161	5194	7040	8261	8290	8842	12709	10449	5623
31	1959 Regional Report Surplus Deficit	3913	3437	5627	5678	5484	6588	7633	9374	9228	9232	7965	12158	10502	6298
32	1960 Regional Report Surplus Deficit	5565	5829	9725	10404	8440	6269	5940	6333	8378	10320	9050	12189	10216	5975
33	1961 Regional Report Surplus Deficit	4956	3161	5467	5718	4697	3802	5345	8199	9016	8639	6787	12231	10170	5695
34	1962 Regional Report Surplus Deficit	4827	3315	5375	4893	4690	2887	4752	6774	5837	9736	9370	12480	10369	4191
35	1963 Regional Report Surplus Deficit	4604	3155	5344	5794	5981	6116	5868	7289	7785	6265	6637	12488	9729	6079
36	1964 Regional Report Surplus Deficit	4696	3436	6229	5335	4346	3752	3630	4766	5984	8883	6696	12252	10917	7423
37	1965 Regional Report Surplus Deficit	5568	5613	7273	6923	5671	7124	7938	10209	9953	7891	9819	12589	10274	6524
38	1966 Regional Report Surplus Deficit	5649	5557	5783	6152	5258	4248	4644	5765	6110	9659	7617	11470	9101	6071
39	1967 Regional Report Surplus Deficit	4869	3240	5713	4779	4402	4186	6922	9074	9404	7181	4194	12049	10428	6903
40	1968 Regional Report Surplus Deficit	5338	4720	6138	5820	5403	4315	6386	7920	8872	5726	5315	10827	10091	6357
41	1969 Regional Report Surplus Deficit	5321	4935	7910	7237	6919	5561	7394	9592	9033	9398	9244	12770	10389	6503
42	1970 Regional Report Surplus Deficit	5181	4437	5915	5743	5059	2963	5213	6850	7796	7401	5082	12281	10537	5619
43	1971 Regional Report Surplus Deficit	3793	2505	5613	4853	4750	3380	7646	10010	10166	9397	9080	12800	10775	7511
44	1972 Regional Report Surplus Deficit	6009	6018	7094	6371	5139	4722	7471	10287	10909	10248	8706	12906	10523	7296
45	1973 Regional Report Surplus Deficit	5752	5865	7888	6234	5156	4272	5078	5247	5343	2086	4667	10438	6959	4443
46	1974 Regional Report Surplus Deficit	3508	1152	4948	5033	4137	5835	8111	9845	10487	9523	9387	12178	10464	7757
47	1975 Regional Report Surplus Deficit	5787	5909	7368	5321	4899	3503	4550	7709	8669	6460	6863	12533	10791	7886
48	1976 Regional Report Surplus Deficit	5753	5511	7051	7572	7457	7820	7515	9656	9788	9938	9456	12830	10454	7156
49	1977 Regional Report Surplus Deficit	6275	6329	10471	6304	4958	2142	1557	3732	4962	2282	4847	8389	2246	3467
50	1978 Regional Report Surplus Deficit	2952	745	3791	4332	3726	5111	4666	7040	8206	9509	8106	12697	9166	6557
51	1979 Regional Report Surplus Deficit	4559	3220	7073	6289	4986	3052	3844	3529	8040	5809	6921	12861	7765	3606
52	1980 Regional Report Surplus Deficit	2654	1564	5402	5467	4507	1783	3278	4666	5307	7020	8773	13197	10169	4973
53	1981 Regional Report Surplus Deficit	3660	1814	5770	5655	4693	6535	6497	8236	8218	4165	7012	12095	10435	6436
54	1982 Regional Report Surplus Deficit	5135	5533	6712	5750	5228	5004	6275	10258	10602	9469	8503	12423	10784	7175

Regional Report Surplus Deficit By Water Year

Operating Year 2016

2013 White Book Report Date: **10/1/2013** *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	5792	5978	8520	7372	5553	5500	6888	9206	10391	9289	7654	12459	10346	7086
56	1984 Regional Report Surplus Deficit	5444	6067	6875	6043	7957	5461	6273	8754	9274	10037	9122	12610	10927	7085
57	1985 Regional Report Surplus Deficit	5927	5221	6776	6224	5565	4226	4086	5654	7192	8643	8582	12673	8871	2695
58	1986 Regional Report Surplus Deficit	2466	895	5331	6715	6737	4006	5068	8503	10723	9166	8892	12023	10072	5655
59	1987 Regional Report Surplus Deficit	4371	2490	5580	5150	4736	4452	3796	3232	7661	5110	6033	11605	8125	4155
60	1988 Regional Report Surplus Deficit	2526	621	4841	4709	3868	1513	809	1724	4800	4344	6421	11065	7024	5286
61	1989 Regional Report Surplus Deficit	3729	1776	4823	4766	4061	3707	1675	3363	7095	8610	9191	12385	9014	3739
62	1990 Regional Report Surplus Deficit	3120	1890	5328	4911	5070	4570	5491	7432	8473	7608	9770	12076	10300	5821
63	1991 Regional Report Surplus Deficit	5139	4425	5617	4560	7298	5690	6349	8497	8600	8721	7407	12259	10026	6656
64	1992 Regional Report Surplus Deficit	5415	5518	5778	4613	4604	2540	2977	3230	7222	3908	4905	10220	5176	3215
65	1993 Regional Report Surplus Deficit	2178	292	4046	4867	4139	2575	755	1400	6091	4942	6740	11836	9394	5274
66	1994 Regional Report Surplus Deficit	4289	2873	5053	4700	4865	2398	1020	2970	4653	3334	5938	11197	8078	4888
67	1995 Regional Report Surplus Deficit	3231	1119	4924	4538	3881	2817	2125	8166	9257	6568	5936	12073	10290	6045
68	1996 Regional Report Surplus Deficit	4453	3134	6134	7268	8669	7562	8199	10550	10809	9481	10126	12687	10562	7129
69	1997 Regional Report Surplus Deficit	5596	5714	6098	5503	5150	5421	8120	9806	10959	9575	10037	12596	10490	7359
70	1998 Regional Report Surplus Deficit	5908	6140	8316	9553	6864	5228	4389	7095	7408	5862	7110	12639	10662	6382
71	1999 Regional Report Surplus Deficit	5251	4237	5905	5439	4240	4872	7395	9879	10391	8574	8823	12536	10914	7421
72	2000 Regional Report Surplus Deficit	6171	6327	7499	6004	7764	6195	5604	7443	8451	9730	9712	11993	9484	6097
73	2001 Regional Report Surplus Deficit	5204	2153	5610	5477	4604	2096	1532	3315	5016	2653	5392	9731	1561	3041
74	2002 Regional Report Surplus Deficit	1880	83.1	3346	3704	3830	3137	1723	3847	5842	7702	9020	11508	10207	6786
75	2003 Regional Report Surplus Deficit	5151	3625	5522	4075	4603	2195	1082	3059	8485	7539	7079	11452	10248	3966
76	2004 Regional Report Surplus Deficit	2390	792	4699	5128	4418	4364	1885	2856	7493	6352	6348	11696	9203	3903
77	2005 Regional Report Surplus Deficit	2911	1790	6865	5588	4618	4318	4005	5683	5984	3962	5884	11935	9288	4804
78	2006 Regional Report Surplus Deficit	4079	1821	5113	4640	4552	3740	5807	7838	8518	9784	9479	12709	10330	5655
79	2007 Regional Report Surplus Deficit	4548	1292	5171	4393	4988	3894	5402	5510	9835	8313	7538	12063	8792	6160
80	2008 Regional Report Surplus Deficit	4219	1769	4528	5016	4182	2940	2856	4573	6282	6509	4871	12507	10962	6633

Ranked Averages

81	**Bottom 10 pct**	**2366**	**778**	**4797**	**5091**	**4525**	**2924**	**2232**	**3955**	**6372**	**5791**	**6659**	**11939**	**9417**	**5068**
82	**Middle 80 pct**	**4596**	**3435**	**5796**	**5635**	**5143**	**4261**	**4786**	**6591**	**8062**	**7490**	**7651**	**12027**	**9357**	**5787**
83	**Top 10 pct**	**5975**	**5997**	**8220**	**6640**	**5860**	**4451**	**4716**	**6913**	**7863**	**7272**	**7452**	**11888**	**9202**	**6059**

Regional Report Surplus Deficit By Water Year

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

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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	4457	4083	5701	5829	4792	2130	1624	3307	4659	3527	5646	9382	7042	2860
2	1930 Regional Report Surplus Deficit	3070	1852	5545	5219	4490	1989	332	3455	4722	4240	6155	8577	3386	4953
3	1931 Regional Report Surplus Deficit	3300	1751	4989	4853	4638	1886	-307	1219	4254	5078	3886	9740	4548	4039
4	1932 Regional Report Surplus Deficit	3304	891	4846	4302	3762	1922	-965	983	7054	10223	9564	11739	9243	5198
5	1933 Regional Report Surplus Deficit	4423	3063	6152	5725	4141	3140	5103	7490	8282	8182	7308	10834	9603	7042
6	1934 Regional Report Surplus Deficit	4989	5386	6268	6982	8249	7579	7900	9744	9772	10353	9336	10703	6959	4966
7	1935 Regional Report Surplus Deficit	2993	1653	4643	5429	3877	3642	4670	7075	8238	6897	6566	10724	7552	6115
8	1936 Regional Report Surplus Deficit	4883	3322	5240	4884	4399	1896	786	2282	5275	5810	9280	11795	8866	4857
9	1937 Regional Report Surplus Deficit	3562	1849	5152	4795	4610	1875	408	1380	4267	4095	3555	9735	5690	4179
10	1938 Regional Report Surplus Deficit	3656	1755	5102	5109	4001	4308	4064	5966	9110	9206	10041	11410	8936	5860
11	1939 Regional Report Surplus Deficit	3987	2362	5860	5828	4446	2191	2741	4547	6873	7281	7921	11364	5338	4459
12	1940 Regional Report Surplus Deficit	2635	1159	5168	5362	4779	3965	2358	3380	9474	8074	6850	10847	5989	4277
13	1941 Regional Report Surplus Deficit	2734	661	4788	5266	3933	3691	1289	3267	5075	4117	4581	9265	4987	4337
14	1942 Regional Report Surplus Deficit	2586	823	4858	5467	5256	4421	4054	5129	7136	5769	7272	10114	8106	6390
15	1943 Regional Report Surplus Deficit	4285	3151	6640	5829	3897	3513	5172	8061	9018	10609	10232	11271	9538	6022
16	1944 Regional Report Surplus Deficit	4529	3673	5716	4822	4540	2154	1768	3374	4692	3177	5706	7241	2387	2822
17	1945 Regional Report Surplus Deficit	1558	-113	3910	4579	4046	1672	208	2847	4794	3480	1418	11119	8710	3738
18	1946 Regional Report Surplus Deficit	3878	2516	5440	5005	4382	4164	4247	6382	8468	9622	10083	11558	9096	6370
19	1947 Regional Report Surplus Deficit	5082	4376	6239	5329	4876	7064	6653	8984	9629	8765	7909	11404	8907	6351
20	1948 Regional Report Surplus Deficit	4262	2640	5962	9089	6882	5483	6778	7841	8006	8720	9725	11812	8887	6901
21	1949 Regional Report Surplus Deficit	5106	5557	7512	5906	4725	3423	4086	5125	9599	9598	9760	11634	8904	3777
22	1950 Regional Report Surplus Deficit	3082	1432	4928	5001	4517	3583	6608	9073	10112	10392	9122	11128	9379	6891
23	1951 Regional Report Surplus Deficit	5387	5446	6548	7132	7497	7312	7831	10373	10329	10437	9675	11443	8690	6733
24	1952 Regional Report Surplus Deficit	5192	5256	6449	8583	6022	5525	6242	7857	9070	10416	10300	11692	9176	6175
25	1953 Regional Report Surplus Deficit	4127	2854	5242	4704	4095	2017	4446	6019	7620	7068	7196	11420	9591	6790
26	1954 Regional Report Surplus Deficit	4432	3935	6254	5668	5053	4743	6153	8669	9096	9186	8466	11347	9034	7337
27	1955 Regional Report Surplus Deficit	5549	5746	9775	6003	6099	4064	3061	4070	4975	6304	6364	10386	9455	7460
28	1956 Regional Report Surplus Deficit	5142	4916	5905	6253	6751	7101	7667	9854	9953	10265	10072	11548	9581	7029
29	1957 Regional Report Surplus Deficit	5263	5176	6321	6220	4707	4978	4617	4837	8632	10574	8005	12006	9433	6023
30	1958 Regional Report Surplus Deficit	4637	2839	5794	5584	4786	3137	5070	6930	8315	8916	9055	11582	9202	5521
31	1959 Regional Report Surplus Deficit	3547	3138	5687	5707	5445	6564	7509	9264	9282	9861	8177	11031	9248	6197
32	1960 Regional Report Surplus Deficit	5185	5517	9785	10433	8400	6245	5816	6223	8434	10945	9249	11063	8936	5872
33	1961 Regional Report Surplus Deficit	4590	2862	5528	5746	4657	3778	5221	8089	9072	9277	7011	11087	8906	5594
34	1962 Regional Report Surplus Deficit	4462	3016	5436	4921	4650	2863	4628	6664	5892	10450	9660	11357	9109	4090
35	1963 Regional Report Surplus Deficit	4239	2856	5405	5823	5941	6091	5744	7179	7841	6902	6860	11343	8454	5992
36	1964 Regional Report Surplus Deficit	4331	3137	6290	5363	4306	3728	3505	4656	6040	9516	6912	11120	9629	7309
37	1965 Regional Report Surplus Deficit	5188	5300	7334	6952	5631	7100	7814	10099	10004	8522	10040	11453	9001	6421
38	1966 Regional Report Surplus Deficit	5270	5258	5844	6181	5218	4223	4519	5655	6166	10289	7825	10343	7822	5970
39	1967 Regional Report Surplus Deficit	4492	2941	5773	4807	4362	4162	6797	8963	9454	7817	4414	10889	9184	6805
40	1968 Regional Report Surplus Deficit	4961	4421	6199	5849	5363	4291	6262	7810	8926	6363	5538	9704	8831	6227
41	1969 Regional Report Surplus Deficit	4944	4636	7971	7266	6879	5537	7270	9481	9088	10079	9505	11681	9160	6402
42	1970 Regional Report Surplus Deficit	4805	4138	5976	5772	5019	2938	5089	6739	7850	8039	5303	11148	9288	5631
43	1971 Regional Report Surplus Deficit	3427	2206	5674	4882	4710	3355	7522	9900	10206	10020	9289	11706	9533	7415
44	1972 Regional Report Surplus Deficit	5627	5707	7155	6400	5099	4697	7347	10176	10923	10858	8879	11732	9314	7197
45	1973 Regional Report Surplus Deficit	5370	5554	7949	6263	5116	4247	4953	5137	5399	2725	4892	9313	5678	4341
46	1974 Regional Report Surplus Deficit	3143	853	5009	5062	4097	5811	7986	9735	10571	10148	9600	11062	9214	7654
47	1975 Regional Report Surplus Deficit	5406	5598	7428	5350	4860	3479	4425	7599	8725	7092	7080	11395	9552	7776
48	1976 Regional Report Surplus Deficit	5372	5212	7112	7600	7417	7795	7391	9545	9840	10581	9684	11710	9194	7058
49	1977 Regional Report Surplus Deficit	5887	6022	10532	6333	4918	2117	1432	3622	5018	2921	5071	7264	965	3365
50	1978 Regional Report Surplus Deficit	2586	446	3851	4361	3686	5087	4541	6930	8262	10138	8315	11577	7888	6456
51	1979 Regional Report Surplus Deficit	4194	2921	7133	6318	4946	3027	3720	3419	8096	6448	7145	11716	6482	3504
52	1980 Regional Report Surplus Deficit	2288	1265	5463	5495	4467	1759	3153	4556	5363	7645	8988	12065	8899	4842
53	1981 Regional Report Surplus Deficit	3294	1515	5831	5684	4654	6511	6373	8126	8276	4806	7238	10966	9186	6334
54	1982 Regional Report Surplus Deficit	4757	5220	6773	5779	5188	4980	6151	10148	10649	10113	8733	11328	9537	7073

Regional Report Surplus Deficit By Water Year

Operating Year 2017

2013 White Book Report Date: **10/1/2013** *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	5411	5668	8581	7401	5513	5475	6764	9096	10387	9898	7841	11323	9059	6981
56	1984 Regional Report Surplus Deficit	5064	5756	6936	6072	7917	5437	6148	8644	9330	10691	9363	11492	9698	6982
57	1985 Regional Report Surplus Deficit	5547	4922	6837	6253	5525	4202	3961	5543	7248	9284	8807	11530	7587	2594
58	1986 Regional Report Surplus Deficit	2101	596	5392	6744	6697	3981	4943	8393	10680	9782	9094	10888	8794	5441
59	1987 Regional Report Surplus Deficit	4006	2191	5641	5179	4696	4427	3671	3122	7717	5750	6258	10476	6844	4053
60	1988 Regional Report Surplus Deficit	2161	322	4902	4738	3828	1489	684	1613	4856	4983	6646	9940	5743	5184
61	1989 Regional Report Surplus Deficit	3363	1477	4884	4795	4021	3682	1550	3253	7151	9258	9420	11260	7733	3638
62	1990 Regional Report Surplus Deficit	2755	1591	5389	4940	5030	4545	5366	7322	8529	8243	9993	10948	9028	5719
63	1991 Regional Report Surplus Deficit	4763	4126	5678	4589	7258	5665	6225	8387	8656	9351	7619	11127	8749	6555
64	1992 Regional Report Surplus Deficit	5037	5204	5839	4642	4564	2516	2852	3120	7278	4546	5128	9095	3895	3113
65	1993 Regional Report Surplus Deficit	1813	-6.95	4106	4896	4099	2550	630	1290	6147	5579	6963	10691	8111	5172
66	1994 Regional Report Surplus Deficit	3924	2574	5114	4729	4825	2373	895	2859	4709	3973	6162	10071	6798	4786
67	1995 Regional Report Surplus Deficit	2866	820	4985	4567	3842	2793	2001	8056	9304	7205	6157	10948	9023	5943
68	1996 Regional Report Surplus Deficit	4087	2835	6195	7297	8630	7537	8074	10440	10845	10053	10331	11577	9304	7019
69	1997 Regional Report Surplus Deficit	5216	5402	6159	5532	5110	5396	7995	9695	10991	10213	10261	11474	9258	7257
70	1998 Regional Report Surplus Deficit	5526	5830	8376	9582	6824	5203	4265	6985	7462	6498	7332	11456	9374	6278
71	1999 Regional Report Surplus Deficit	4873	3938	5965	5468	4200	4847	7270	9769	10442	9200	9034	11415	9721	7337
72	2000 Regional Report Surplus Deficit	5789	6017	7559	6032	7724	6171	5479	7333	8507	10366	9934	10877	8204	5995
73	2001 Regional Report Surplus Deficit	4827	1854	5670	5506	4564	2071	1407	3205	5072	3292	5616	8604	281	2939
74	2002 Regional Report Surplus Deficit	1515	-216	3407	3733	3790	3112	1598	3737	5898	8333	9240	10384	8943	6685
75	2003 Regional Report Surplus Deficit	4785	3326	5583	4104	4563	2171	958	2949	8540	8177	7301	10321	8967	3864
76	2004 Regional Report Surplus Deficit	2024	493	4760	5157	4379	4339	1761	2745	7550	6988	6570	10570	7921	3804
77	2005 Regional Report Surplus Deficit	2546	1491	6926	5617	4578	4293	3881	5573	6040	4600	6108	10817	8019	4702
78	2006 Regional Report Surplus Deficit	3713	1522	5174	4669	4513	3715	5683	7728	8573	10449	9725	11667	9139	5434
79	2007 Regional Report Surplus Deficit	4182	993	5232	4422	4948	3870	5277	5400	9888	8949	7760	10921	7513	6058
80	2008 Regional Report Surplus Deficit	3853	1470	4589	5045	4142	2916	2731	4463	6338	7146	5093	11368	9701	6530

Ranked Averages

81	**Bottom 10 pct**	**2001**	**479**	**4858**	**5120**	**4485**	**2899**	**2107**	**3844**	**6416**	**6424**	**6878**	**10809**	**8143**	**4946**
82	**Middle 80 pct**	**4226**	**3134**	**5857**	**5664**	**5103**	**4236**	**4661**	**6481**	**8116**	**8127**	**7873**	**10901**	**8093**	**5685**
83	**Top 10 pct**	**5593**	**5689**	**8281**	**6669**	**5820**	**4426**	**4592**	**6803**	**7906**	**7903**	**7664**	**10745**	**7939**	**5956**

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

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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	4335	4002	5273	5479	4419	1661	1289	2956	4281	4095	6244	9651	7804	2495
2	1930 Regional Report Surplus Deficit	2948	1771	5117	4869	4117	1519	-2.65	3103	4344	4808	6753	8846	4149	4588
3	1931 Regional Report Surplus Deficit	3179	1670	4561	4503	4265	1416	-642	867	3875	5646	4484	10008	5310	3674
4	1932 Regional Report Surplus Deficit	3182	810	4419	3952	3389	1453	-1299	631	6676	10797	10168	12033	9985	4833
5	1933 Regional Report Surplus Deficit	4301	2982	5725	5375	3768	2670	4768	7138	7903	8752	7908	11103	10331	6678
6	1934 Regional Report Surplus Deficit	4868	5305	5840	6632	7876	7109	7565	9392	9392	10918	9930	10952	7715	4600
7	1935 Regional Report Surplus Deficit	2871	1572	4215	5078	3504	3172	4335	6724	7860	7464	7164	11002	8319	5750
8	1936 Regional Report Surplus Deficit	4761	3241	4812	4534	4026	1426	451	1931	4897	6377	9878	12032	9575	4490
9	1937 Regional Report Surplus Deficit	3441	1768	4725	4445	4238	1405	72.9	1028	3889	4663	4153	10007	6453	3814
10	1938 Regional Report Surplus Deficit	3534	1674	4674	4759	3629	3839	3729	5615	8734	9768	10636	11672	9694	5492
11	1939 Regional Report Surplus Deficit	3865	2281	5432	5478	4074	1722	2407	4196	6495	7844	8515	11631	6099	4094
12	1940 Regional Report Surplus Deficit	2514	1078	4740	5012	4406	3495	2023	3029	9098	8643	7449	11110	6751	3911
13	1941 Regional Report Surplus Deficit	2612	580	4360	4916	3560	3221	954	2916	4697	4686	5179	9535	5748	3972
14	1942 Regional Report Surplus Deficit	2464	742	4430	5117	4883	3951	3720	4778	6758	6326	7861	10386	8857	6026
15	1943 Regional Report Surplus Deficit	4163	3070	6213	5478	3524	3043	4837	7709	8639	11191	10837	11522	10202	5655
16	1944 Regional Report Surplus Deficit	4407	3592	5288	4472	4167	1685	1434	3022	4314	3746	6304	7509	3149	2457
17	1945 Regional Report Surplus Deficit	1436	-195	3482	4228	3673	1202	-127	2495	4416	4050	2016	11392	9457	3399
18	1946 Regional Report Surplus Deficit	3756	2434	5012	4654	4009	3694	3912	6031	8090	10111	10643	11795	9816	6004
19	1947 Regional Report Surplus Deficit	4960	4295	5811	4979	4504	6594	6319	8633	9256	9330	8507	11668	9644	5986
20	1948 Regional Report Surplus Deficit	4140	2559	5535	8739	6509	5013	6443	7489	7628	9284	10321	12041	9567	6532
21	1949 Regional Report Surplus Deficit	4984	5476	7084	5555	4352	2954	3751	4774	9220	10125	10327	11887	9616	3412
22	1950 Regional Report Surplus Deficit	2960	1351	4501	4651	4145	3113	6273	8721	9729	10948	9704	11409	10083	6523
23	1951 Regional Report Surplus Deficit	5265	5364	6120	6782	7125	6842	7497	10022	9939	11005	10273	11700	9408	6363
24	1952 Regional Report Surplus Deficit	5070	5175	6021	8233	5649	5055	5907	7505	8691	10982	10897	11991	9938	5810
25	1953 Regional Report Surplus Deficit	4006	2773	4814	4354	3722	1547	4112	5667	7243	7636	7795	11656	10277	6426
26	1954 Regional Report Surplus Deficit	4310	3854	5826	5318	4680	4274	5818	8318	8714	9735	9045	11599	9769	6951
27	1955 Regional Report Surplus Deficit	5427	5665	9347	5653	5726	3594	2726	3719	4597	6873	6962	10654	10176	7109
28	1956 Regional Report Surplus Deficit	5020	4835	5477	5903	6378	6631	7332	9502	9582	10791	10669	11795	10234	6661
29	1957 Regional Report Surplus Deficit	5141	5095	5893	5870	4334	4509	4282	4486	8254	11146	8608	12270	10123	5658
30	1958 Regional Report Surplus Deficit	4515	2758	5366	5234	4413	2667	4735	6578	7938	9472	9643	11864	9901	5156
31	1959 Regional Report Surplus Deficit	3426	3057	5260	5357	5072	6094	7174	8912	8903	10441	8790	11311	10002	5831
32	1960 Regional Report Surplus Deficit	5064	5436	9358	10083	8027	5775	5481	5872	8056	11527	9871	11317	9680	5508
33	1961 Regional Report Surplus Deficit	4468	2781	5100	5396	4284	3308	4886	7737	8693	9843	7605	11338	9604	5226
34	1962 Regional Report Surplus Deficit	4340	2935	5008	4571	4278	2393	4293	6313	5514	10948	10196	11621	9852	3725
35	1963 Regional Report Surplus Deficit	4117	2775	4977	5473	5568	5622	5409	6827	7463	7470	7456	11633	9216	5613
36	1964 Regional Report Surplus Deficit	4209	3056	5862	5013	3933	3258	3170	4304	5662	10077	7498	11384	10323	6950
37	1965 Regional Report Surplus Deficit	5067	5219	6906	6602	5258	6630	7479	9748	9625	9079	10635	11704	9718	6056
38	1966 Regional Report Surplus Deficit	5149	5176	5416	5830	4845	3754	4184	5304	5788	10842	8395	10605	8575	5604
39	1967 Regional Report Surplus Deficit	4371	2860	5346	4457	3989	3692	6462	8612	9076	8382	5009	11213	9902	6439
40	1968 Regional Report Surplus Deficit	4840	4340	5771	5498	4990	3821	5927	7459	8548	6932	6135	9966	9511	5863
41	1969 Regional Report Surplus Deficit	4822	4555	7543	6916	6506	5067	6935	9130	8707	10645	10101	11923	9890	6035
42	1970 Regional Report Surplus Deficit	4683	4057	5548	5421	4646	2469	4754	6388	7472	8605	5900	11412	10011	5152
43	1971 Regional Report Surplus Deficit	3306	2125	5246	4531	4337	2886	7187	9549	9817	10522	9826	11923	10173	7036
44	1972 Regional Report Surplus Deficit	5505	5626	6727	6050	4726	4228	7012	9825	10558	11410	9448	12020	9990	6834
45	1973 Regional Report Surplus Deficit	5248	5473	7521	5913	4743	3778	4618	4786	5020	3293	5490	9574	6439	3976
46	1974 Regional Report Surplus Deficit	3021	772	4581	4712	3724	5341	7652	9384	10121	10650	10142	11311	9946	7251
47	1975 Regional Report Surplus Deficit	5284	5517	7001	5000	4487	3009	4091	7247	8346	7661	7679	11651	10255	7403
48	1976 Regional Report Surplus Deficit	5250	5131	6684	7250	7044	7326	7056	9194	9463	11148	10280	11974	9922	6694
49	1977 Regional Report Surplus Deficit	5766	5941	10104	5983	4545	1648	1098	3270	4640	3489	5669	7532	1727	3000
50	1978 Regional Report Surplus Deficit	2465	365	3424	4011	3313	4617	4206	6579	7883	10724	8943	11865	8650	6089
51	1979 Regional Report Surplus Deficit	4072	2840	6706	5968	4573	2558	3385	3068	7718	7015	7742	11983	7244	3139
52	1980 Regional Report Surplus Deficit	2167	1184	5035	5145	4094	1289	2819	4205	4985	8192	9571	12293	9637	4388
53	1981 Regional Report Surplus Deficit	3173	1434	5403	5334	4281	6041	6038	7774	7898	5373	7835	11241	9898	5967
54	1982 Regional Report Surplus Deficit	4636	5139	6345	5429	4815	4510	5816	9797	10244	10646	9290	11569	10240	6704

Regional Report Surplus Deficit By Water Year

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2013 White Book Report Date: **10/1/2013** *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	5290	5587	8153	7051	5140	5005	6429	8745	10068	10475	8449	11620	9812	6613
56	1984 Regional Report Surplus Deficit	4942	5675	6508	5722	7544	4967	5813	8293	8948	11227	9927	11745	10405	6613
57	1985 Regional Report Surplus Deficit	5425	4841	6409	5903	5152	3732	3627	5192	6870	9844	9399	11786	8352	2229
58	1986 Regional Report Surplus Deficit	1979	515	4964	6394	6324	3512	4609	8042	10324	10328	9670	11149	9529	5075
59	1987 Regional Report Surplus Deficit	3884	2110	5213	4829	4324	3957	3336	2771	7338	6319	6856	10748	7606	3688
60	1988 Regional Report Surplus Deficit	2039	241	4474	4388	3455	1019	349	1262	4478	5552	7244	10208	6505	4819
61	1989 Regional Report Surplus Deficit	3242	1396	4456	4445	3648	3213	1215	2902	6773	9795	10001	11526	8495	3273
62	1990 Regional Report Surplus Deficit	2633	1510	4961	4590	4657	4076	5032	6971	8151	8804	10589	11204	9767	5354
63	1991 Regional Report Surplus Deficit	4641	4045	5250	4239	6885	5196	5890	8036	8278	9918	8216	11384	9503	6186
64	1992 Regional Report Surplus Deficit	4915	5123	5411	4292	4191	2046	2517	2769	6900	5115	5727	9361	4657	2748
65	1993 Regional Report Surplus Deficit	1691	-88.0	3679	4545	3726	2081	295	939	5769	6147	7560	10957	8872	4807
66	1994 Regional Report Surplus Deficit	3802	2493	4686	4378	4452	1904	561	2508	4331	4541	6760	10339	7560	4421
67	1995 Regional Report Surplus Deficit	2744	739	4557	4217	3469	2323	1666	7705	8932	7769	6751	11221	9786	5483
68	1996 Regional Report Surplus Deficit	3966	2754	5767	6947	8257	7068	7739	10088	10486	10630	10929	11848	10014	6652
69	1997 Regional Report Surplus Deficit	5095	5321	5731	5182	4737	4927	7660	9344	10628	10745	10843	11733	9953	6884
70	1998 Regional Report Surplus Deficit	5404	5749	7949	9231	6452	4734	3930	6634	7084	7064	7928	11750	10122	5914
71	1999 Regional Report Surplus Deficit	4752	3857	5538	5117	3827	4378	6936	9417	10057	9740	9605	11664	10374	6957
72	2000 Regional Report Surplus Deficit	5667	5936	7132	5682	7351	5701	5145	6981	8129	10920	10523	11132	8962	5630
73	2001 Regional Report Surplus Deficit	4706	1773	5243	5156	4191	1602	1073	2853	4694	3860	6214	8874	1043	2574
74	2002 Regional Report Surplus Deficit	1393	-297	2979	3383	3417	2643	1264	3386	5520	8899	9837	10652	9695	6319
75	2003 Regional Report Surplus Deficit	4664	3245	5155	3753	4190	1701	623	2598	8163	8743	7898	10588	9710	3499
76	2004 Regional Report Surplus Deficit	1903	412	4332	4807	4006	3870	1426	2394	7171	7556	7167	10836	8681	3443
77	2005 Regional Report Surplus Deficit	2424	1410	6498	5267	4205	3824	3546	5221	5662	5168	6705	11066	8772	4337
78	2006 Regional Report Surplus Deficit	3592	1440	4746	4318	4140	3245	5348	7377	8198	10979	10290	11905	9824	5067
79	2007 Regional Report Surplus Deficit	4060	912	4804	4072	4575	3400	4943	5049	9508	9514	8353	11198	8269	5693
80	2008 Regional Report Surplus Deficit	3732	1389	4161	4694	3769	2446	2396	4112	5960	7716	5693	11608	10385	6167

Ranked Averages

81	**Bottom 10 pct**	**1879**	**398**	**4430**	**4770**	**4113**	**2430**	**1773**	**3493**	**6041**	**6986**	**7471**	**11069**	**8894**	**4573**
82	**Middle 80 pct**	**4104**	**3053**	**5429**	**5314**	**4730**	**3767**	**4326**	**6130**	**7737**	**8685**	**8464**	**11164**	**8823**	**5314**
83	**Top 10 pct**	**5471**	**5608**	**7853**	**6319**	**5447**	**3956**	**4257**	**6452**	**7537**	**8467**	**8257**	**11018**	**8675**	**5591**

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

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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	3962	3642	4936	5221	4034	1269	871	2529	3839	2601	5271	8246	6404	2061
2	1930 Regional Report Surplus Deficit	2575	1411	4780	4611	3732	1128	-420	2677	3903	3312	5778	7441	2751	4154
3	1931 Regional Report Surplus Deficit	2806	1310	4224	4245	3880	1025	-1059	441	3434	4152	3511	8602	3912	3240
4	1932 Regional Report Surplus Deficit	2809	450	4082	3694	3004	1061	-1717	204	6234	9278	9170	10612	8622	4399
5	1933 Regional Report Surplus Deficit	3928	2622	5388	5117	3382	2279	4351	6711	7463	7256	6933	9690	8989	6242
6	1934 Regional Report Surplus Deficit	4494	4945	5503	6373	7491	6718	7147	8965	8946	9407	8939	9550	6322	4167
7	1935 Regional Report Surplus Deficit	2498	1212	3878	4820	3119	2781	3917	6297	7418	5969	6188	9580	6913	5316
8	1936 Regional Report Surplus Deficit	4388	2881	4475	4276	3641	1035	33.6	1504	4455	4872	8900	10692	8219	4058
9	1937 Regional Report Surplus Deficit	3068	1409	4388	4187	3852	1014	-344	601	3447	3169	3180	8596	5052	3380
10	1938 Regional Report Surplus Deficit	3161	1314	4337	4501	3243	3447	3312	5188	8287	8248	9649	10312	8309	5064
11	1939 Regional Report Surplus Deficit	3492	1921	5095	5220	3688	1330	1989	3769	6053	6339	7533	10215	4702	3661
12	1940 Regional Report Surplus Deficit	2140	718	4403	4754	4021	3104	1605	2602	8651	7142	6468	9693	5354	3478
13	1941 Regional Report Surplus Deficit	2239	220	4023	4658	3175	2830	537	2489	4255	3191	4205	8128	4352	3538
14	1942 Regional Report Surplus Deficit	2091	383	4093	4859	4498	3560	3302	4351	6317	4828	6885	8988	7472	5591
15	1943 Regional Report Surplus Deficit	3790	2710	5876	5220	3139	2652	4420	7282	8183	9552	9779	10097	8876	5222
16	1944 Regional Report Surplus Deficit	4034	3232	4951	4214	3782	1293	1016	2595	3873	2250	5330	6104	1751	2024
17	1945 Regional Report Surplus Deficit	1063	-554	3145	3970	3288	811	-545	2069	3975	2555	1043	9955	8038	2965
18	1946 Regional Report Surplus Deficit	3383	2075	4675	4396	3624	3303	3495	5604	7644	8551	9636	10413	8440	5571
19	1947 Regional Report Surplus Deficit	4587	3935	5474	4721	4118	6203	5901	8206	8810	7829	7524	10234	8268	5552
20	1948 Regional Report Surplus Deficit	3767	2199	5198	8481	6124	4622	6026	7062	7186	7778	9342	10642	8196	6096
21	1949 Regional Report Surplus Deficit	4611	5116	6748	5297	3967	2562	3333	4347	8781	8631	9355	10494	8231	2978
22	1950 Regional Report Surplus Deficit	2587	991	4164	4393	3759	2722	5856	8294	9277	9409	8675	9989	8726	6085
23	1951 Regional Report Surplus Deficit	4892	5005	5783	6524	6739	6451	7079	9595	9495	9480	9272	10320	8034	5926
24	1952 Regional Report Surplus Deficit	4697	4815	5685	7975	5264	4664	5490	7079	8250	9487	9922	10555	8524	5377
25	1953 Regional Report Surplus Deficit	3633	2413	4477	4096	3337	1156	3694	5241	6801	6136	6816	10254	8893	5990
26	1954 Regional Report Surplus Deficit	3937	3494	5489	5060	4295	3882	5401	7891	8273	8226	8057	10212	8378	6497
27	1955 Regional Report Surplus Deficit	5054	5305	9011	5395	5341	3203	2309	3292	4155	5378	5988	9246	8832	6653
28	1956 Regional Report Surplus Deficit	4647	4475	5140	5645	5993	6240	6915	9075	9139	9304	9697	10416	8949	6227
29	1957 Regional Report Surplus Deficit	4768	4735	5556	5612	3949	4117	3865	4059	7812	9646	7624	10837	8765	5224
30	1958 Regional Report Surplus Deficit	4142	2398	5029	4976	4027	2276	4318	6152	7493	7947	8643	10468	8528	4722
31	1959 Regional Report Surplus Deficit	3053	2697	4923	5099	4686	5703	6757	8486	8454	8931	7796	9902	8611	5398
32	1960 Regional Report Surplus Deficit	4691	5076	9021	9825	7642	5384	5063	5445	7613	10035	8902	9911	8295	5075
33	1961 Regional Report Surplus Deficit	4095	2421	4763	5138	3899	2917	4468	7310	8250	8344	6625	9952	8240	4795
34	1962 Regional Report Surplus Deficit	3967	2575	4671	4313	3892	2002	3875	5886	5073	9409	9184	10190	8462	3291
35	1963 Regional Report Surplus Deficit	3744	2415	4640	5214	5183	5230	4991	6401	7021	5974	6482	10226	7817	5179
36	1964 Regional Report Surplus Deficit	3836	2696	5525	4755	3548	2867	2753	3878	5220	8583	6526	9978	8996	6501
37	1965 Regional Report Surplus Deficit	4694	4859	6569	6343	4873	6239	7062	9321	9168	7547	9651	10298	8343	5620
38	1966 Regional Report Surplus Deficit	4775	4817	5079	5572	4460	3362	3767	4877	5345	9319	7370	9191	7176	5170
39	1967 Regional Report Surplus Deficit	3998	2500	5009	4199	3604	3301	6045	8185	8637	6890	4038	9760	8551	6005
40	1968 Regional Report Surplus Deficit	4467	3980	5434	5240	4605	3430	5509	7032	8107	5435	5161	8563	8171	5429
41	1969 Regional Report Surplus Deficit	4449	4195	7206	6658	6121	4676	6518	8703	8268	9058	9047	10455	8450	5602
42	1970 Regional Report Surplus Deficit	4310	3697	5211	5163	4261	2077	4336	5961	7027	7107	4921	9996	8632	4719
43	1971 Regional Report Surplus Deficit	2932	1765	4909	4273	3952	2494	6770	9122	9387	9043	8867	10559	8909	6595
44	1972 Regional Report Surplus Deficit	5132	5266	6390	5792	4341	3836	6594	9398	10057	9872	8397	10567	8564	6367
45	1973 Regional Report Surplus Deficit	4875	5113	7184	5655	4358	3386	4201	4359	4578	1799	4514	8167	5041	3542
46	1974 Regional Report Surplus Deficit	2648	412	4244	4454	3339	4950	7234	8957	9632	9052	9131	9872	8548	6789
47	1975 Regional Report Surplus Deficit	4911	5157	6664	4742	4101	2618	3673	6821	7901	6152	6691	10236	8883	6944
48	1976 Regional Report Surplus Deficit	4877	4771	6347	6992	6659	6934	6638	8767	9023	9631	9286	10546	8523	6255
49	1977 Regional Report Surplus Deficit	5393	5581	9767	5725	4160	1256	680	2844	4198	1995	4696	6127	330	2566
50	1978 Regional Report Surplus Deficit	2092	4.68	3087	3753	2928	4226	3789	6152	7443	9217	7948	10448	7251	5657
51	1979 Regional Report Surplus Deficit	3699	2480	6369	5710	4188	2166	2967	2641	7276	5521	6769	10605	5849	2705
52	1980 Regional Report Surplus Deficit	1794	824	4698	4887	3709	898	2401	3778	4543	6693	8594	10888	8244	4095
53	1981 Regional Report Surplus Deficit	2800	1074	5066	5076	3895	5650	5621	7347	7456	3875	6859	9820	8515	5534
54	1982 Regional Report Surplus Deficit	4263	4779	6008	5170	4430	4119	5399	9370	9814	9118	8278	10189	8871	6271

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	4917	5227	7816	6793	4755	4614	6012	8318	9545	8955	7442	10208	8458	6172
56	1984 Regional Report Surplus Deficit	4569	5315	6171	5464	7159	4576	5396	7866	8505	9733	8954	10360	9031	6184
57	1985 Regional Report Surplus Deficit	5052	4481	6072	5645	4767	3341	3209	4765	6428	8335	8412	10396	6956	1795
58	1986 Regional Report Surplus Deficit	1606	155	4627	6136	5939	3121	4191	7615	9849	8843	8707	9744	8151	4642
59	1987 Regional Report Surplus Deficit	3511	1750	4876	4571	3938	3566	2919	2344	6894	4822	5881	9328	6209	3254
60	1988 Regional Report Surplus Deficit	1666	-119	4137	4130	3070	628	-68.1	835	4037	4055	6268	8802	5108	4385
61	1989 Regional Report Surplus Deficit	2869	1036	4119	4187	3263	2821	798	2475	6331	8284	9018	10122	7098	2839
62	1990 Regional Report Surplus Deficit	2260	1150	4624	4331	4272	3684	4614	6544	7709	7301	9614	9798	8376	4919
63	1991 Regional Report Surplus Deficit	4268	3685	4913	3981	6500	4804	5473	7609	7836	8424	7243	9978	8094	5741
64	1992 Regional Report Surplus Deficit	4542	4763	5074	4034	3806	1655	2100	2342	6458	3620	4753	7953	3260	2314
65	1993 Regional Report Surplus Deficit	1318	-448	3342	4287	3340	1689	-122	512	5326	4647	6582	9542	7468	4374
66	1994 Regional Report Surplus Deficit	3429	2133	4349	4120	4067	1512	143	2081	3890	3047	5787	8933	6162	3988
67	1995 Regional Report Surplus Deficit	2371	379	4220	3959	3083	1932	1248	7278	8468	6273	5777	9809	8374	5145
68	1996 Regional Report Surplus Deficit	3593	2394	5430	6689	7871	6676	7322	9661	10046	9202	9979	10489	8709	6218
69	1997 Regional Report Surplus Deficit	4722	4961	5395	4924	4352	4535	7243	8917	10167	9232	9861	10328	8583	6418
70	1998 Regional Report Surplus Deficit	5031	5389	7612	8973	6066	4342	3512	6207	6642	5565	6950	10365	8755	5480
71	1999 Regional Report Surplus Deficit	4379	3497	5201	4859	3442	3986	6518	8991	9609	8252	8636	10224	9019	6521
72	2000 Regional Report Surplus Deficit	5294	5576	6795	5424	6966	5310	4727	6555	7685	9415	9543	9732	7567	5196
73	2001 Regional Report Surplus Deficit	4333	1413	4906	4898	3806	1210	655	2426	4253	2364	5240	7469	-355	2141
74	2002 Regional Report Surplus Deficit	1020	-657	2642	3125	3032	2251	846	2959	5079	7396	8859	9249	8311	5876
75	2003 Regional Report Surplus Deficit	4291	2885	4818	3495	3805	1310	206	2171	7720	7248	6924	9182	8331	3065
76	2004 Regional Report Surplus Deficit	1530	51.6	3995	4549	3620	3478	1009	1967	6730	6060	6192	9430	7285	3000
77	2005 Regional Report Surplus Deficit	2051	1050	6161	5009	3820	3432	3129	4794	5220	3673	5732	9669	7374	3903
78	2006 Regional Report Surplus Deficit	3219	1081	4409	4060	3754	2854	4931	6950	7755	9468	9302	10479	8489	4635
79	2007 Regional Report Surplus Deficit	3687	553	4467	3814	4190	3009	4525	4622	9062	8016	7376	9789	6875	5259
80	2008 Regional Report Surplus Deficit	3359	1029	3824	4436	3384	2055	1979	3685	5518	6220	4719	10228	9038	5733

Ranked Averages

81	**Bottom 10 pct**	**1506**	**37.8**	**4093**	**4512**	**3727**	**2038**	**1355**	**3066**	**5595**	**5490**	**6497**	**9660**	**7497**	**4155**
82	**Middle 80 pct**	**3731**	**2693**	**5092**	**5056**	**4345**	**3375**	**3909**	**5703**	**7293**	**7178**	**7480**	**9757**	**7445**	**4880**
83	**Top 10 pct**	**5098**	**5248**	**7516**	**6061**	**5062**	**3565**	**3840**	**6025**	**7076**	**6958**	**7265**	**9609**	**7293**	**5147**

Regional Report Surplus Deficit By Water Year

Operating Year 2020

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	120Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	3524	3238	4594	4895	3650	848	493	2247	3515	2950	5181	8851	6998	1639
2	1930 Regional Report Surplus Deficit	2138	1006	4438	4285	3348	707	-799	2394	3578	3662	5690	8050	3347	3732
3	1931 Regional Report Surplus Deficit	2368	905	3881	3920	3496	604	-1438	158	3110	4501	3421	9210	4508	2818
4	1932 Regional Report Surplus Deficit	2372	45.5	3739	3368	2620	640	-2095	-78.1	5910	9630	9084	11180	9162	3977
5	1933 Regional Report Surplus Deficit	3491	2218	5045	4792	2999	1858	3972	6429	7138	7606	6843	10303	9532	5816
6	1934 Regional Report Surplus Deficit	4057	4540	5161	6048	7107	6297	6769	8683	8627	9747	8839	10140	6917	3745
7	1935 Regional Report Surplus Deficit	2061	807	3536	4495	2735	2360	3539	6015	7093	6317	6098	10157	7507	4893
8	1936 Regional Report Surplus Deficit	3951	2477	4133	3951	3257	614	-345	1222	4131	5223	8810	11188	8717	3635
9	1937 Regional Report Surplus Deficit	2630	1004	4045	3862	3468	593	-723	319	3123	3515	3087	9203	5649	2959
10	1938 Regional Report Surplus Deficit	2724	909	3995	4176	2859	3026	2933	4905	7956	8579	9549	10757	8815	4638
11	1939 Regional Report Surplus Deficit	3055	1517	4753	4894	3304	909	1611	3486	5729	6700	7453	10804	5296	3239
12	1940 Regional Report Surplus Deficit	1703	314	4061	4428	3637	2683	1227	2319	8318	7490	6377	10289	5947	3056
13	1941 Regional Report Surplus Deficit	1802	-184	3681	4333	2791	2408	158	2207	3931	3535	4110	8727	4947	3115
14	1942 Regional Report Surplus Deficit	1654	-21.9	3751	4533	4114	3139	2924	4068	5993	5180	6797	9580	8048	5168
15	1943 Regional Report Surplus Deficit	3353	2306	5533	4895	2755	2231	4041	7000	7866	9904	9690	10633	9329	4797
16	1944 Regional Report Surplus Deficit	3597	2828	4609	3888	3398	872	638	2313	3548	2599	5239	6715	2350	1602
17	1945 Regional Report Surplus Deficit	626	-959	2803	3645	2904	390	-923	1786	3651	2904	953	10548	8609	2543
18	1946 Regional Report Surplus Deficit	2946	1670	4333	4071	3240	2882	3116	5321	7324	8974	9583	10949	8961	5147
19	1947 Regional Report Surplus Deficit	4150	3531	5131	4395	3735	5782	5523	7923	8477	8165	7414	10802	8787	5129
20	1948 Regional Report Surplus Deficit	3330	1795	4855	8156	5740	4201	5647	6780	6862	8121	9248	11248	8710	5672
21	1949 Regional Report Surplus Deficit	4173	4711	6405	4972	3583	2141	2955	4065	8454	8990	9271	11079	8768	2330
22	1950 Regional Report Surplus Deficit	2150	586	3821	4067	3375	2301	5477	8012	8951	9778	8610	10546	9200	5662
23	1951 Regional Report Surplus Deficit	4455	4600	5441	6199	6356	6030	6701	9313	9193	9793	9150	10895	8589	5499
24	1952 Regional Report Surplus Deficit	4260	4411	5342	7650	4880	4243	5111	6796	7925	9704	9752	11126	9053	4958
25	1953 Regional Report Surplus Deficit	3195	2008	4134	3770	2953	735	3316	4958	6476	6492	6733	10840	9403	5565
26	1954 Regional Report Surplus Deficit	3500	3090	5147	4734	3911	3461	5022	7608	7948	8575	7966	10790	8927	6084
27	1955 Regional Report Surplus Deficit	4617	4900	8668	5069	4957	2782	1930	3009	3831	5725	5896	9844	9320	6229
28	1956 Regional Report Surplus Deficit	4210	4070	4798	5319	5609	5819	6536	8793	8796	9543	9558	10966	9433	5802
29	1957 Regional Report Surplus Deficit	4331	4330	5214	5286	3565	3696	3486	3777	7491	9990	7526	11452	9333	4802
30	1958 Regional Report Surplus Deficit	3705	1993	4687	4650	3644	1855	3939	5869	7171	8325	8578	11036	9053	4302
31	1959 Regional Report Surplus Deficit	2615	2292	4580	4774	4303	5282	6378	8203	8138	9279	7705	10497	9153	4974
32	1960 Regional Report Surplus Deficit	4253	4672	8678	9499	7258	4963	4685	5162	7290	10345	8744	10514	8844	4653
33	1961 Regional Report Surplus Deficit	3658	2016	4421	4813	3515	2496	4090	7028	7926	8697	6541	10547	8803	4373
34	1962 Regional Report Surplus Deficit	3530	2170	4328	3988	3509	1581	3497	5603	4749	9768	9103	10765	8992	2869
35	1963 Regional Report Surplus Deficit	3306	2010	4298	4889	4799	4809	4613	6118	6696	6324	6393	10799	8382	4756
36	1964 Regional Report Surplus Deficit	3399	2292	5183	4430	3164	2446	2374	3595	4896	8936	6442	10563	9490	6083
37	1965 Regional Report Surplus Deficit	4256	4454	6227	6018	4489	5818	6683	9038	8857	7943	9574	10897	8926	5200
38	1966 Regional Report Surplus Deficit	4338	4412	4736	5247	4076	2941	3388	4595	5022	9669	7280	9784	7753	4747
39	1967 Regional Report Surplus Deficit	3560	2095	4666	3874	3220	2880	5666	7903	8308	7235	3944	10274	8951	5559
40	1968 Regional Report Surplus Deficit	4029	3576	5091	4915	4221	3009	5131	6749	7780	5787	5071	9163	8674	5006
41	1969 Regional Report Surplus Deficit	4012	3790	6864	6333	5737	4255	6139	8421	7941	9482	9022	11101	9024	5180
42	1970 Regional Report Surplus Deficit	3873	3292	4869	4838	3877	1656	3958	5679	6703	7456	4831	10568	9106	4295
43	1971 Regional Report Surplus Deficit	2495	1361	4567	3948	3568	2073	6391	8840	9038	9413	8797	11071	9389	6150
44	1972 Regional Report Surplus Deficit	4694	4861	6048	5466	3957	3415	6216	9116	9799	10249	8357	11168	9118	5954
45	1973 Regional Report Surplus Deficit	4438	4709	6842	5329	3974	2965	3823	4076	4253	2148	4426	8760	5636	3120
46	1974 Regional Report Surplus Deficit	2211	7.20	3902	4128	2955	4529	6856	8674	9360	9299	9041	10442	9116	6372
47	1975 Regional Report Surplus Deficit	4474	4753	6321	4417	3718	2197	3295	6538	7573	6505	6605	10804	9448	6529
48	1976 Regional Report Surplus Deficit	4440	4367	6005	6667	6275	6513	6260	8485	8692	9963	9181	11136	9065	5815
49	1977 Regional Report Surplus Deficit	4955	5176	9425	5399	3776	835	302	2561	3874	2343	4605	6742	926	2144
50	1978 Regional Report Surplus Deficit	1654	-400	2744	3428	2544	3805	3410	5869	7116	9563	7852	10997	7841	5235
51	1979 Regional Report Surplus Deficit	3262	2076	6026	5384	3804	1745	2589	2358	6951	5871	6679	11168	6444	2283
52	1980 Regional Report Surplus Deficit	1356	420	4355	4562	3325	477	2023	3495	4219	7057	8515	11519	8840	3674
53	1981 Regional Report Surplus Deficit	2362	670	4724	4751	3512	5228	5242	7065	7132	4228	6772	10425	9074	5113
54	1982 Regional Report Surplus Deficit	3825	4375	5665	4845	4046	3698	5020	9087	9465	9457	8177	10717	9400	5850

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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	4479	4823	7473	6467	4371	4193	5633	8035	9240	9280	7322	10729	8906	5734
56	1984 Regional Report Surplus Deficit	4132	4911	5828	5139	6775	4155	5017	7583	8180	10066	8846	10942	9608	5761
57	1985 Regional Report Surplus Deficit	4615	4077	5730	5320	4383	2920	2831	4483	6104	8675	8313	10983	7532	1373
58	1986 Regional Report Surplus Deficit	1169	-250	4284	5811	5555	2699	3813	7332	9495	9141	8566	10346	8695	4220
59	1987 Regional Report Surplus Deficit	3074	1345	4534	4246	3554	3145	2540	2061	6572	5174	5792	9946	6802	2832
60	1988 Regional Report Surplus Deficit	1229	-523	3794	3805	2686	206	-447	553	3712	4406	6180	9416	5704	3963
61	1989 Regional Report Surplus Deficit	2431	632	3777	3861	2879	2400	419	2193	6007	8642	8932	10723	7694	2417
62	1990 Regional Report Surplus Deficit	1823	746	4282	4006	3888	3263	4236	6262	7384	7636	9519	10413	8955	4496
63	1991 Regional Report Surplus Deficit	3831	3281	4571	3655	6116	4383	5094	7324	7510	8777	7159	10567	8665	5322
64	1992 Regional Report Surplus Deficit	4105	4358	4732	3708	3422	1234	1721	2057	6132	3968	4661	8567	3856	1892
65	1993 Regional Report Surplus Deficit	881	-852	2999	3962	2957	1268	-501	228	5003	4998	6493	10125	8065	3952
66	1994 Regional Report Surplus Deficit	2992	1729	4007	3795	3683	1091	-235	1797	3563	3393	5694	9543	6759	3566
67	1995 Regional Report Surplus Deficit	1934	-25.6	3878	3633	2700	1511	870	6993	8165	6619	5684	10408	8932	4629
68	1996 Regional Report Surplus Deficit	3155	1990	5088	6364	7488	6255	6943	9379	9699	9480	9866	10971	9148	5796
69	1997 Regional Report Surplus Deficit	4284	4556	5052	4598	3968	4114	6864	8635	9855	9585	9772	10945	9189	6012
70	1998 Regional Report Surplus Deficit	4594	4984	7269	8648	5682	3921	3134	5924	6319	5894	6842	10912	9260	5061
71	1999 Regional Report Surplus Deficit	3941	3093	4858	4534	3058	3565	6140	8708	9295	8579	8527	10853	9571	6090
72	2000 Regional Report Surplus Deficit	4857	5172	6452	5099	6582	4889	4349	6270	7362	9723	9425	10284	8126	4776
73	2001 Regional Report Surplus Deficit	3895	1009	4563	4573	3422	789	277	2144	3928	2714	5150	8080	244	1721
74	2002 Regional Report Surplus Deficit	583	-1061	2300	2799	2648	1830	468	2676	4754	7751	8771	9853	8854	5461
75	2003 Regional Report Surplus Deficit	3853	2481	4476	3170	3421	889	-173	1889	7397	7597	6834	9780	8892	2646
76	2004 Regional Report Surplus Deficit	1092	-353	3652	4224	3237	3057	630	1685	6404	6410	6104	10044	7882	2590
77	2005 Regional Report Surplus Deficit	1614	645	5819	4684	3436	3011	2750	4512	4896	4024	5643	10269	7958	3483
78	2006 Regional Report Surplus Deficit	2781	676	4066	3735	3371	2433	4552	6667	7430	9797	9195	11032	8970	4214
79	2007 Regional Report Surplus Deficit	3250	148	4125	3489	3806	2588	4147	4340	8740	8367	7287	10386	7462	4839
80	2008 Regional Report Surplus Deficit	2921	624	3481	4111	3000	1634	1600	3402	5194	6570	4628	10839	9607	5311

Ranked Averages

81	**Bottom 10 pct**	**1069**	**-367**	**3751**	**4186**	**3344**	**1617**	**977**	**2783**	**5267**	**5836**	**6403**	**10265**	**8076**	**3736**
82	**Middle 80 pct**	**3294**	**2289**	**4750**	**4730**	**3961**	**2954**	**3530**	**5420**	**6969**	**7522**	**7387**	**10339**	**7995**	**4452**
83	**Top 10 pct**	**4661**	**4843**	**7173**	**5736**	**4678**	**3144**	**3461**	**5742**	**6763**	**7299**	**7171**	**10183**	**7829**	**4725**

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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	3050	2809	4354	4567	3253	554	-529	1239	2682	2791	5072	7563	4978	715
2	1930 Regional Report Surplus Deficit	1661	575	4197	3957	2951	413	-1820	1386	2744	3504	5581	6754	1323	2808
3	1931 Regional Report Surplus Deficit	1892	474	3640	3591	3099	310	-2459	-850	2277	4342	3312	7919	2484	1894
4	1932 Regional Report Surplus Deficit	1895	-386	3500	3040	2223	346	-3117	-1086	5074	9478	8981	9909	7159	3053
5	1933 Regional Report Surplus Deficit	3014	1786	4804	4464	2602	1563	2951	5421	6305	7447	6734	9019	7558	4893
6	1934 Regional Report Surplus Deficit	3580	4109	4919	5720	6710	6003	5747	7675	7790	9608	8752	8875	4890	2821
7	1935 Regional Report Surplus Deficit	1584	376	3294	4167	2338	2066	2517	5007	6261	6160	5992	8910	5488	3970
8	1936 Regional Report Surplus Deficit	3474	2046	3891	3623	2860	320	-1367	214	3298	5056	8698	9942	6707	2711
9	1937 Regional Report Surplus Deficit	2154	573	3804	3534	3072	299	-1745	-689	2290	3359	2981	7907	3628	2034
10	1938 Regional Report Surplus Deficit	2247	478	3753	3848	2463	2732	1911	3898	7131	8459	9461	9637	6874	3714
11	1939 Regional Report Surplus Deficit	2578	1085	4511	4566	2908	615	589	2479	4895	6543	7346	9530	3271	2314
12	1940 Regional Report Surplus Deficit	1226	-117	3819	4100	3240	2388	205	1312	7487	7332	6270	9018	3926	2131
13	1941 Regional Report Surplus Deficit	1325	-616	3441	4005	2394	2114	-864	1199	3095	3379	4003	7437	2921	2192
14	1942 Regional Report Surplus Deficit	1177	-453	3512	4205	3717	2845	1902	3061	5156	5019	6686	8300	6024	4241
15	1943 Regional Report Surplus Deficit	2876	1874	5294	4567	2358	1937	3020	5992	7041	9837	9637	9437	7420	3874
16	1944 Regional Report Surplus Deficit	3120	2396	4370	3560	3001	578	-384	1305	2716	2442	5133	5422	326	677
17	1945 Regional Report Surplus Deficit	149	-1390	2564	3317	2507	95.9	-1945	779	2818	2744	844	9288	6613	1619
18	1946 Regional Report Surplus Deficit	2469	1239	4094	3743	2843	2588	2094	4314	6490	8853	9493	9732	6983	4222
19	1947 Regional Report Surplus Deficit	3673	3100	4892	4067	3338	5488	4501	6916	7652	8010	7315	9554	6802	4204
20	1948 Regional Report Surplus Deficit	2853	1363	4616	7827	5343	3907	4625	5772	6029	7969	9143	9955	6750	4751
21	1949 Regional Report Surplus Deficit	3697	4280	6166	4644	3186	1847	1933	3057	7602	8824	9158	9804	6768	1409
22	1950 Regional Report Surplus Deficit	1673	155	3582	3739	2979	2007	4455	7004	8122	9648	8538	9288	7239	4738
23	1951 Regional Report Surplus Deficit	3978	4169	5199	5871	5959	5736	5679	8305	8331	9677	9079	9622	6579	4581
24	1952 Regional Report Surplus Deficit	3783	3979	5103	7322	4483	3949	4089	5788	7094	9693	9733	9943	7093	4033
25	1953 Regional Report Surplus Deficit	2719	1577	3895	3442	2556	441	2294	3950	5643	6333	6623	9611	7474	4643
26	1954 Regional Report Surplus Deficit	3023	2658	4907	4406	3514	3167	4000	6601	7115	8427	7869	9509	6914	5148
27	1955 Regional Report Surplus Deficit	4143	4471	8429	4741	4560	2488	908	2002	2997	5569	5790	8563	7383	5317
28	1956 Regional Report Surplus Deficit	3733	3639	4558	4991	5212	5525	5514	7785	7962	9476	9498	9733	7515	4879
29	1957 Regional Report Surplus Deficit	3854	3899	4974	4958	3168	3402	2464	2769	6652	9837	7428	10174	7351	3878
30	1958 Regional Report Surplus Deficit	3230	1564	4447	4322	3247	1561	2917	4861	6338	8164	8468	9794	7105	3378
31	1959 Regional Report Surplus Deficit	2138	1861	4341	4445	3906	4987	5356	7195	7304	9123	7600	9212	7187	4051
32	1960 Regional Report Surplus Deficit	3779	4243	8439	9171	6861	4669	3663	4155	6456	10214	8683	9233	6845	3729
33	1961 Regional Report Surplus Deficit	3181	1585	4182	4485	3118	2202	3068	6020	7094	8539	6433	9254	6812	3449
34	1962 Regional Report Surplus Deficit	3053	1739	4089	3660	3112	1287	2475	4596	3916	9687	9062	9537	7018	1945
35	1963 Regional Report Surplus Deficit	2830	1579	4056	4561	4402	4515	3591	5110	5864	6159	6278	9547	6381	3833
36	1964 Regional Report Surplus Deficit	2922	1861	4941	4102	2767	2151	1353	2587	4063	8775	6329	9277	7568	5150
37	1965 Regional Report Surplus Deficit	3780	4023	5988	5690	4092	5524	5661	8031	8015	7777	9464	9620	6910	4275
38	1966 Regional Report Surplus Deficit	3861	3981	4495	4919	3679	2647	2367	3587	4189	9543	7233	8518	5749	3824
39	1967 Regional Report Surplus Deficit	3086	1666	4427	3546	2823	2586	4645	6895	7462	7079	3838	9081	7096	4650
40	1968 Regional Report Surplus Deficit	3553	3144	4850	4587	3825	2715	4109	5742	6942	5627	4959	7873	6698	4075
41	1969 Regional Report Surplus Deficit	3535	3359	6622	6005	5340	3961	5117	7413	7106	9291	8886	9837	7020	4255
42	1970 Regional Report Surplus Deficit	3396	2861	4627	4510	3480	1362	2936	4671	5870	7300	4727	9319	7188	3371
43	1971 Regional Report Surplus Deficit	2018	929	4325	3620	3171	1779	5369	7832	8215	9240	8675	9802	7344	5241
44	1972 Regional Report Surplus Deficit	4218	4430	5806	5138	3561	3121	5194	8108	8951	10060	8194	9920	7177	5021
45	1973 Regional Report Surplus Deficit	3961	4277	6603	5001	3577	2671	2801	3069	3419	1989	4318	7489	3614	2196
46	1974 Regional Report Surplus Deficit	1734	-424	3663	3800	2558	4234	5834	7667	8486	9247	8932	9136	7123	5412
47	1975 Regional Report Surplus Deficit	3997	4321	6082	4088	3321	1903	2273	5530	6745	6342	6492	9586	7459	5622
48	1976 Regional Report Surplus Deficit	3963	3935	5763	6339	5878	6219	5238	7477	7848	9816	9083	9857	7110	4900
49	1977 Regional Report Surplus Deficit	4479	4745	9185	5071	3379	541	-720	1553	3041	2185	4497	5446	-1098	1220
50	1978 Regional Report Surplus Deficit	1180	-829	2505	3099	2147	3511	2389	4862	6284	9403	7741	9755	5822	4311
51	1979 Regional Report Surplus Deficit	2785	1645	5785	5056	3407	1451	1567	1351	6119	5711	6570	9899	4418	1359
52	1980 Regional Report Surplus Deficit	880	-11.6	4116	4234	2929	182	1001	2488	3385	6898	8405	10242	6814	2755
53	1981 Regional Report Surplus Deficit	1886	238	4482	4422	3115	4934	4220	6057	6297	4068	6662	9148	7130	4188
54	1982 Regional Report Surplus Deficit	3349	3943	5426	4517	3649	3404	3998	8080	8631	9309	8080	9511	7457	4929

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	4003	4391	7232	6139	3974	3899	4611	7028	8368	9145	7244	9511	6977	4819
56	1984 Regional Report Surplus Deficit	3655	4480	5589	4811	6378	3861	3996	6576	7343	9923	8755	9660	7597	4833
57	1985 Regional Report Surplus Deficit	4138	3648	5491	4991	3986	2626	1809	3475	5270	8530	8217	9710	5518	449
58	1986 Regional Report Surplus Deficit	692	-681	4045	5483	5158	2405	2791	6325	8703	9016	8491	9058	6706	3296
59	1987 Regional Report Surplus Deficit	2597	914	4294	3918	3158	2851	1519	1054	5735	5014	5683	8648	4780	1908
60	1988 Regional Report Surplus Deficit	752	-955	3555	3476	2290	-87.7	-1469	-455	2880	4248	6071	8121	3679	3039
61	1989 Regional Report Surplus Deficit	1954	200	3536	3533	2482	2106	-603	1185	5172	8431	8795	9430	5668	1493
62	1990 Regional Report Surplus Deficit	1348	317	4043	3678	3492	2969	3214	5254	6553	7500	9417	9115	6943	3575
63	1991 Regional Report Surplus Deficit	3356	2852	4332	3327	5719	4089	4072	6317	6678	8619	7051	9289	6668	4391
64	1992 Regional Report Surplus Deficit	3630	3929	4492	3380	3025	940	700	1050	5299	3809	4553	7273	1832	968
65	1993 Regional Report Surplus Deficit	404	-1283	2758	3634	2560	974	-1523	-780	4169	4840	6385	8855	6041	3028
66	1994 Regional Report Surplus Deficit	2515	1298	3765	3467	3286	797	-1257	789	2731	3235	5586	8247	4734	2642
67	1995 Regional Report Surplus Deficit	1459	-455	3639	3305	2303	1217	-152	5986	7324	6463	5577	9113	6913	3705
68	1996 Regional Report Surplus Deficit	2679	1559	4849	6036	7091	5961	5921	8371	8918	9267	9735	9770	7246	4867
69	1997 Regional Report Surplus Deficit	3810	4127	4813	4270	3571	3820	5843	7627	9002	9429	9665	9631	7172	5089
70	1998 Regional Report Surplus Deficit	4120	4555	7030	8320	5286	3627	2112	4917	5485	5763	6758	9719	7355	4135
71	1999 Regional Report Surplus Deficit	3467	2664	4619	4206	2661	3271	5118	7700	8459	8427	8424	9587	7580	5165
72	2000 Regional Report Surplus Deficit	4383	4743	6213	4771	6185	4595	3327	5262	6528	9597	9339	9063	6134	3852
73	2001 Regional Report Surplus Deficit	3421	580	4324	4245	3025	495	-745	1136	3096	2556	5042	6784	-1780	797
74	2002 Regional Report Surplus Deficit	108	-1490	2060	2471	2251	1536	-554	1669	3921	7591	8662	8561	6875	4533
75	2003 Regional Report Surplus Deficit	3379	2052	4236	2840	3023	595	-1195	881	6563	7437	6723	8503	6897	1721
76	2004 Regional Report Surplus Deficit	616	-784	3411	3896	2840	2763	-392	677	5573	6252	5995	8747	5859	1664
77	2005 Regional Report Surplus Deficit	1139	216	5579	4355	3039	2717	1728	3504	4063	3865	5534	8985	5951	2559
78	2006 Regional Report Surplus Deficit	2307	247	3827	3407	2974	2139	3530	5660	6599	9678	9120	9835	7015	3291
79	2007 Regional Report Surplus Deficit	2776	-281	3885	3161	3409	2294	3125	3332	7905	8211	7182	9109	5447	3914
80	2008 Regional Report Surplus Deficit	2447	195	3242	3783	2603	1339	579	2395	4361	6412	4522	9554	7618	4389

Ranked Averages

81	**Bottom 10 pct**	**592**	**-797**	**3511**	**3858**	**2947**	**1323**	**-45.3**	**1776**	**4439**	**5682**	**6299**	**8982**	**6067**	**2812**
82	**Middle 80 pct**	**2818**	**1858**	**4510**	**4402**	**3564**	**2660**	**2508**	**4412**	**6134**	**7375**	**7287**	**9074**	**6006**	**3528**
83	**Top 10 pct**	**4185**	**4413**	**6933**	**5408**	**4281**	**2850**	**2439**	**4734**	**5923**	**7149**	**7066**	**8940**	**5863**	**3804**

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	2146	1892	3528	3702	2453	-363	-861	939	2396	710	3459	9042	5891	327
2	1930 Regional Report Surplus Deficit	757	-342	3370	3092	2151	-504	-2152	1087	2459	1423	3968	8235	2234	2421
3	1931 Regional Report Surplus Deficit	987	-443	2813	2726	2299	-607	-2791	-1149	1991	2261	1699	9397	3395	1506
4	1932 Regional Report Surplus Deficit	991	-1303	2673	2175	1423	-571	-3449	-1385	4791	7474	7442	11451	8193	2665
5	1933 Regional Report Surplus Deficit	2110	869	3977	3598	1801	646	2619	5122	6019	5367	5124	10520	8602	4514
6	1934 Regional Report Surplus Deficit	2676	3192	4092	4855	5910	5086	5415	7376	7513	7560	7176	10387	5807	2433
7	1935 Regional Report Surplus Deficit	680	-542	2468	3302	1538	1149	2185	4707	5975	4079	4379	10430	6406	3583
8	1936 Regional Report Surplus Deficit	2570	1128	3065	2757	2060	-598	-1699	-85.7	3012	3004	7099	11442	7777	2329
9	1937 Regional Report Surplus Deficit	1249	-345	2977	2668	2271	-618	-2077	-988	2004	1278	1369	9403	4541	1647
10	1938 Regional Report Surplus Deficit	1342	-440	2927	2982	1662	1815	1579	3598	6850	6509	7917	11052	7838	3358
11	1939 Regional Report Surplus Deficit	1673	168	3685	3701	2107	-302	257	2179	4610	4471	5741	11098	4186	1927
12	1940 Regional Report Surplus Deficit	322	-1035	2993	3235	2440	1471	-127	1012	7218	5261	4668	10526	4838	1744
13	1941 Regional Report Surplus Deficit	420	-1533	2615	3139	1594	1197	-1196	900	2812	1300	2394	8929	3835	1805
14	1942 Regional Report Surplus Deficit	272	-1371	2685	3340	2917	1928	1570	2761	4874	2959	5091	9801	6974	3859
15	1943 Regional Report Surplus Deficit	1972	957	4467	3702	1558	1019	2688	5693	6759	8240	8209	10919	8619	3489
16	1944 Regional Report Surplus Deficit	2216	1479	3543	2695	2201	-339	-716	1006	2429	360	3520	6899	1237	290
17	1945 Regional Report Surplus Deficit	-756	-2308	1737	2452	1707	-821	-2277	479	2531	664	-769	10834	7594	1105
18	1946 Regional Report Surplus Deficit	1564	321	3267	2878	2043	1671	1762	4014	6206	6965	7968	11227	7998	3844
19	1947 Regional Report Surplus Deficit	2768	2182	4065	3202	2537	4571	4169	6616	7382	5968	5753	11079	7836	3820
20	1948 Regional Report Surplus Deficit	1949	446	3789	6962	4543	2990	4294	5473	5743	5946	7562	11439	7918	4373
21	1949 Regional Report Surplus Deficit	2792	3363	5339	3779	2386	930	1601	2758	7345	6852	7625	11331	7804	1089
22	1950 Regional Report Surplus Deficit	768	-762	2755	2874	2178	1090	4123	6705	7881	7663	7048	10825	8402	4360
23	1951 Regional Report Surplus Deficit	3074	3251	4373	5005	5158	4819	5347	8006	8110	7737	7591	11172	7564	4202
24	1952 Regional Report Surplus Deficit	2878	3062	4276	6456	3683	3032	3757	5489	6811	7795	8218	11396	8135	3669
25	1953 Regional Report Surplus Deficit	1814	659	3068	2577	1756	-476	1962	3651	5358	4254	5013	11125	8629	4260
26	1954 Regional Report Surplus Deficit	2119	1741	4081	3541	2714	2250	3668	6301	6833	6390	6301	11067	8013	4839
27	1955 Regional Report Surplus Deficit	3238	3554	7602	3876	3760	1571	576	1702	2712	3488	4177	10061	8453	4963
28	1956 Regional Report Surplus Deficit	2829	2722	3732	4126	4412	4608	5182	7486	7732	7645	7956	11238	8695	4505
29	1957 Regional Report Surplus Deficit	2949	2981	4148	4093	2368	2485	2132	2469	6375	7786	5870	11720	8371	3490
30	1958 Regional Report Surplus Deficit	2326	647	3621	3457	2446	643	2585	4562	6054	6141	6905	11261	8175	2991
31	1959 Regional Report Surplus Deficit	1234	943	3514	3580	3105	4070	5024	6896	7023	7070	6023	10776	8241	3665
32	1960 Regional Report Surplus Deficit	2874	3325	7612	8306	6061	3752	3331	3855	6171	8197	7187	10748	7816	3341
33	1961 Regional Report Surplus Deficit	2277	668	3355	3619	2318	1285	2736	5721	6809	6460	4825	10808	7828	3061
34	1962 Regional Report Surplus Deficit	2148	822	3262	2794	2311	370	2143	4296	3630	7788	7601	11046	8032	1557
35	1963 Regional Report Surplus Deficit	1925	661	3230	3696	3602	3598	3259	4811	5578	4087	4674	11073	7312	3450
36	1964 Regional Report Surplus Deficit	2018	943	4114	3236	1967	1234	1021	2288	3777	6707	4737	10827	8698	4799
37	1965 Regional Report Surplus Deficit	2875	3106	5161	4825	3292	4607	5329	7731	7754	5738	7863	11168	7893	3916
38	1966 Regional Report Surplus Deficit	2957	3063	3668	4054	2879	1730	2035	3287	3903	7503	5696	10014	6674	3437
39	1967 Regional Report Surplus Deficit	2182	749	3600	2680	2023	1669	4313	6596	7201	5002	2231	10589	8299	4276
40	1968 Regional Report Surplus Deficit	2648	2227	4023	3722	3024	1797	3777	5442	6667	3547	3354	9367	7767	3709
41	1969 Regional Report Surplus Deficit	2630	2441	5795	5139	4540	3043	4785	7114	6828	7622	7617	11315	8091	3885
42	1970 Regional Report Surplus Deficit	2491	1943	3801	3645	2680	445	2604	4372	5591	5223	3119	10861	8260	3020
43	1971 Regional Report Surplus Deficit	1114	11.7	3499	2755	2371	862	5038	7532	8022	7390	7268	11341	8638	4907
44	1972 Regional Report Surplus Deficit	3313	3512	4980	4273	2760	2204	4862	7809	8981	8155	6904	11429	8349	4683
45	1973 Regional Report Surplus Deficit	3057	3360	5776	4136	2777	1754	2469	2769	3136	-92.3	2705	8974	4525	1808
46	1974 Regional Report Surplus Deficit	829	-1342	2836	2935	1758	3317	5502	7367	8569	7904	7827	10720	8341	5171
47	1975 Regional Report Surplus Deficit	3092	3404	5255	3223	2520	986	1941	5231	6463	4286	4906	11099	8615	5283
48	1976 Regional Report Surplus Deficit	3058	3018	4937	5473	5078	5302	4906	7178	7590	7809	7539	11388	8104	4543
49	1977 Regional Report Surplus Deficit	3574	3828	8359	4206	2579	-376	-1052	1254	2755	103	2884	6922	-187	832
50	1978 Regional Report Surplus Deficit	275	-1746	1678	2234	1347	2594	2057	4562	5999	7384	6234	11279	6739	3924
51	1979 Regional Report Surplus Deficit	1881	727	4958	4191	2607	534	1235	1051	5833	3631	4958	11442	5332	971
52	1980 Regional Report Surplus Deficit	-24.9	-929	3289	3368	2128	-735	669	2188	3100	4858	6822	11798	7762	2267
53	1981 Regional Report Surplus Deficit	981	-679	3656	3557	2314	4017	3888	5758	6013	1989	5051	10652	8125	3803
54	1982 Regional Report Surplus Deficit	2444	3026	4599	3652	2849	2487	3666	7780	8537	7365	6626	10987	8480	4545

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	3098	3474	6405	5274	3174	2982	4279	6728	8282	7135	5724	11009	8125	4473
56	1984 Regional Report Surplus Deficit	2751	3562	4762	3945	5578	2944	3664	6276	7069	7927	7231	11214	8689	4455
57	1985 Regional Report Surplus Deficit	3233	2730	4664	4126	3186	1709	1477	3176	4985	6479	6631	11254	6443	61.1
58	1986 Regional Report Surplus Deficit	-212	-1598	3218	4617	4358	1488	2459	6025	8691	7023	6972	10574	7689	2944
59	1987 Regional Report Surplus Deficit	1693	-3.38	3468	3052	2357	1934	1187	754	5454	2933	4071	10145	5693	1520
60	1988 Regional Report Surplus Deficit	-152	-1872	2728	2611	1489	-1005	-1800	-755	2593	2166	4459	9598	4591	2651
61	1989 Regional Report Surplus Deficit	1050	-717	2709	2668	1682	1189	-934	885	4888	6480	7255	10932	6584	1105
62	1990 Regional Report Surplus Deficit	444	-601	3216	2813	2691	2052	2882	4954	6266	5443	7811	10619	7891	3187
63	1991 Regional Report Surplus Deficit	2452	1934	3505	2462	4919	3172	3740	6017	6391	6542	5444	10809	7616	4031
64	1992 Regional Report Surplus Deficit	2726	3012	3666	2515	2225	22.6	368	750	5013	1728	2940	8751	2743	580
65	1993 Regional Report Surplus Deficit	-500	-2201	1931	2769	1760	56.9	-1854	-1080	3884	2764	4777	10406	6964	2640
66	1994 Regional Report Surplus Deficit	1611	380	2938	2602	2486	-120	-1589	489	2444	1153	3973	9730	5646	2254
67	1995 Regional Report Surplus Deficit	555	-1372	2812	2440	1502	300	-484	5686	7059	4392	3976	10635	7992	3348
68	1996 Regional Report Surplus Deficit	1774	641	4022	5170	6290	5044	5590	8072	8823	7761	8361	11254	8333	4510
69	1997 Regional Report Surplus Deficit	2906	3210	3986	3405	2771	2903	5511	7328	8898	7526	8128	11215	8265	4748
70	1998 Regional Report Surplus Deficit	3215	3638	6203	7455	4485	2710	1780	4617	5201	3693	5155	11182	8399	3779
71	1999 Regional Report Surplus Deficit	2562	1746	3792	3341	1861	2354	4786	7401	8208	6479	6923	11135	8728	4824
72	2000 Regional Report Surplus Deficit	3478	3825	5386	3905	5385	3677	2995	4963	6245	7652	7813	10602	7074	3465
73	2001 Regional Report Surplus Deficit	2516	-338	3497	3379	2225	-422	-1077	837	2809	474	3429	8264	-869	409
74	2002 Regional Report Surplus Deficit	-796	-2408	1234	1606	1451	619	-886	1369	3635	5532	7063	10047	7862	4153
75	2003 Regional Report Surplus Deficit	2474	1135	3410	1975	2222	-322	-1527	581	6278	5360	5116	10012	7855	1211
76	2004 Regional Report Surplus Deficit	-289	-1701	2584	3030	2039	1846	-724	378	5287	4173	4386	10233	6772	1270
77	2005 Regional Report Surplus Deficit	235	-701	4753	3490	2239	1800	1396	3205	3777	1783	3921	10505	6878	2172
78	2006 Regional Report Surplus Deficit	1402	-670	3001	2542	2173	1222	3198	5360	6314	7851	7716	11302	8190	2941
79	2007 Regional Report Surplus Deficit	1871	-1198	3059	2295	2609	1376	2793	3032	7632	6137	5578	10636	6365	3528
80	2008 Regional Report Surplus Deficit	1542	-722	2415	2918	1803	422	247	2095	4075	4331	2909	11109	8647	4003

Ranked Averages

81	**Bottom 10 pct**	**-312**	**-1715**	**2684**	**2993**	**2146**	**406**	**-377**	**1476**	**4187**	**3620**	**4704**	**10500**	**7014**	**2400**
82	**Middle 80 pct**	**1913**	**941**	**3683**	**3537**	**2764**	**1743**	**2177**	**4113**	**5872**	**5379**	**5735**	**10587**	**7023**	**3153**
83	**Top 10 pct**	**3280**	**3496**	**6107**	**4542**	**3481**	**1933**	**2107**	**4435**	**5703**	**5124**	**5524**	**10445**	**6909**	**3443**

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

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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	1800	1584	3206	3391	2127	-718	-1238	610	2076	1018	3319	7545	4283	-82.2
2	1930 Regional Report Surplus Deficit	411	-650	3048	2781	1825	-860	-2529	758	2139	1731	3828	6739	626	2011
3	1931 Regional Report Surplus Deficit	641	-751	2491	2415	1973	-963	-3168	-1478	1671	2569	1559	7900	1788	1097
4	1932 Regional Report Surplus Deficit	645	-1611	2351	1864	1097	-927	-3826	-1715	4471	7783	7301	10011	6584	2256
5	1933 Regional Report Surplus Deficit	1764	561	3655	3287	1476	291	2242	4792	5699	5676	4983	9024	6963	4105
6	1934 Regional Report Surplus Deficit	2330	2884	3770	4544	5585	4730	5038	7046	7193	7869	7035	8890	4199	2024
7	1935 Regional Report Surplus Deficit	334	-849	2146	2991	1212	793	1808	4378	5655	4388	4238	8933	4798	3173
8	1936 Regional Report Surplus Deficit	2224	821	2742	2447	1735	-953	-2075	-415	2692	3313	6958	10040	6169	1919
9	1937 Regional Report Surplus Deficit	903	-652	2655	2357	1946	-974	-2454	-1318	1684	1586	1228	7907	2933	1238
10	1938 Regional Report Surplus Deficit	997	-747	2604	2671	1337	1459	1202	3269	6530	6817	7777	9746	6231	2949
11	1939 Regional Report Surplus Deficit	1328	-140	3363	3390	1782	-657	-120	1850	4290	4780	5601	9613	2578	1517
12	1940 Regional Report Surplus Deficit	-23.9	-1342	2671	2924	2114	1116	-504	683	6898	5570	4527	9029	3230	1335
13	1941 Regional Report Surplus Deficit	74.5	-1840	2293	2829	1269	842	-1573	570	2492	1609	2253	7433	2227	1395
14	1942 Regional Report Surplus Deficit	-73.3	-1678	2363	3029	2591	1572	1193	2432	4554	3267	4950	8305	5367	3449
15	1943 Regional Report Surplus Deficit	1626	649	4145	3391	1232	664	2311	5363	6439	8549	8068	9544	6844	3080
16	1944 Regional Report Surplus Deficit	1870	1172	3221	2384	1875	-694	-1093	676	2109	669	3379	5403	-371	-119
17	1945 Regional Report Surplus Deficit	-1101	-2615	1415	2141	1381	-1177	-2654	150	2211	973	-910	9338	5987	696
18	1946 Regional Report Surplus Deficit	1219	13.9	2945	2567	1717	1315	1385	3685	5886	7274	7827	9833	6390	3434
19	1947 Regional Report Surplus Deficit	2344	1875	3743	2891	2212	4215	3792	6287	7062	6276	5612	9649	6229	3411
20	1948 Regional Report Surplus Deficit	1603	139	3467	6651	4217	2634	3917	5143	5423	6255	7421	10021	6164	3963
21	1949 Regional Report Surplus Deficit	2446	3055	5017	3468	2061	575	1224	2428	7025	7161	7484	9883	6197	680
22	1950 Regional Report Surplus Deficit	423	-1070	2433	2563	1853	734	3747	6375	7561	7972	6908	9393	6680	3951
23	1951 Regional Report Surplus Deficit	2728	2944	4050	4695	4833	4463	4970	7676	7790	8046	7450	9726	5956	3793
24	1952 Regional Report Surplus Deficit	2532	2754	3954	6146	3357	2676	3380	5160	6491	8103	8077	9973	6522	3267
25	1953 Regional Report Surplus Deficit	1441	352	2746	2266	1430	-832	1585	3322	5038	4563	4872	9687	6883	3850
26	1954 Regional Report Surplus Deficit	1773	1434	3758	3230	2388	1894	3292	5972	6513	6699	6160	9614	6353	4429
27	1955 Regional Report Surplus Deficit	2892	3247	7280	3565	3434	1215	200	1373	2392	3796	4037	8564	6798	4554
28	1956 Regional Report Surplus Deficit	2483	2414	3410	3815	4087	4252	4806	7156	7413	7954	7815	9831	6896	4096
29	1957 Regional Report Surplus Deficit	2604	2674	3825	3782	2043	2130	1756	2140	6055	8094	5729	10272	6748	3081
30	1958 Regional Report Surplus Deficit	1980	340	3298	3146	2121	288	2208	4232	5734	6449	6764	9873	6530	2582
31	1959 Regional Report Surplus Deficit	888	636	3192	3269	2780	3715	4648	6566	6703	7378	5883	9279	6608	3256
32	1960 Regional Report Surplus Deficit	2529	3018	7290	7995	5735	3396	2954	3526	5851	8505	7046	9251	6209	2932
33	1961 Regional Report Surplus Deficit	1931	360	3033	3309	1992	929	2359	5391	6489	6769	4684	9311	6221	2652
34	1962 Regional Report Surplus Deficit	1803	514	2940	2484	1986	14.1	1766	3967	3310	8097	7460	9618	6424	1148
35	1963 Regional Report Surplus Deficit	1579	354	2907	3385	3276	3242	2882	4482	5258	4395	4534	9576	5704	3040
36	1964 Regional Report Surplus Deficit	1672	636	3792	2926	1641	879	644	1958	3457	7015	4596	9331	6979	4390
37	1965 Regional Report Surplus Deficit	2529	2798	4839	4514	2966	4251	4952	7402	7434	6047	7723	9718	6286	3506
38	1966 Regional Report Surplus Deficit	2611	2756	3346	3743	2553	1374	1658	2958	3583	7812	5555	8518	5066	3028
39	1967 Regional Report Surplus Deficit	1836	442	3278	2370	1698	1313	3936	6266	6881	5311	2090	9220	6526	3867
40	1968 Regional Report Surplus Deficit	2302	1919	3701	3411	2699	1442	3400	5113	6347	3856	3213	7870	6139	3309
41	1969 Regional Report Surplus Deficit	2285	2134	5473	4828	4214	2688	4409	6784	6508	7931	7476	9885	6470	3481
42	1970 Regional Report Surplus Deficit	2146	1636	3478	3334	2354	89.4	2227	4042	5271	5531	2978	9365	6606	2689
43	1971 Regional Report Surplus Deficit	768	-296	3176	2444	2046	507	4661	7203	7702	7699	7128	9899	6770	4498
44	1972 Regional Report Surplus Deficit	2967	3205	4657	3962	2435	1848	4485	7479	8491	8464	6763	10018	6593	4274
45	1973 Regional Report Surplus Deficit	2711	3053	5454	3825	2451	1399	2092	2440	2816	216	2564	7478	2918	1399
46	1974 Regional Report Surplus Deficit	484	-1649	2514	2624	1432	2962	5125	7038	8048	8213	7678	9225	6451	4761
47	1975 Regional Report Surplus Deficit	2747	3096	4933	2912	2195	630	1564	4901	6143	4595	4765	9705	6797	4878
48	1976 Regional Report Surplus Deficit	2713	2711	4614	5163	4752	4946	4529	6848	7270	8118	7399	9944	6496	4133
49	1977 Regional Report Surplus Deficit	3228	3520	8037	3895	2253	-731	-1429	924	2435	412	2743	5426	-1795	423
50	1978 Regional Report Surplus Deficit	-70.5	-2054	1356	1923	1021	2238	1680	4233	5679	7693	6093	9838	5131	3515
51	1979 Regional Report Surplus Deficit	1535	420	4636	3880	2282	178	858	722	5513	3939	4817	9966	3725	562
52	1980 Regional Report Surplus Deficit	-371	-1236	2967	3058	1803	-1090	292	1859	2780	5166	6681	10356	6154	1858
53	1981 Regional Report Surplus Deficit	635	-986	3334	3246	1989	3662	3511	5428	5693	2297	4910	9155	6517	3394
54	1982 Regional Report Surplus Deficit	2098	2718	4277	3341	2523	2131	3289	7451	8172	7673	6485	9598	6873	4135

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *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	2752	3167	6083	4963	2848	2626	3903	6399	7936	7443	5584	9615	6425	4090
56	1984 Regional Report Surplus Deficit	2405	3255	4440	3635	5252	2588	3287	5947	6749	8235	7090	9717	7008	4046
57	1985 Regional Report Surplus Deficit	2888	2423	4342	3815	2860	1353	1100	2846	4665	6788	6491	9787	4835	-348
58	1986 Regional Report Surplus Deficit	-558	-1906	2896	4307	4032	1133	2082	5696	8237	7322	6832	9085	6091	2534
59	1987 Regional Report Surplus Deficit	1347	-311	3145	2741	2032	1578	810	425	5134	3242	3930	8649	4085	1111
60	1988 Regional Report Surplus Deficit	-498	-2179	2406	2300	1164	-1360	-2177	-1084	2273	2474	4318	8102	2983	2242
61	1989 Regional Report Surplus Deficit	704	-1024	2387	2357	1357	833	-1311	556	4568	6788	7114	9436	4977	696
62	1990 Regional Report Surplus Deficit	97.9	-908	2894	2502	2366	1697	2505	4625	5947	5751	7670	9122	6283	2778
63	1991 Regional Report Surplus Deficit	2106	1627	3183	2151	4593	2817	3363	5688	6071	6850	5303	9313	6008	3621
64	1992 Regional Report Surplus Deficit	2380	2705	3344	2204	1899	-333	-9.07	421	4693	2036	2799	7255	1135	171
65	1993 Regional Report Surplus Deficit	-846	-2508	1609	2458	1434	-299	-2231	-1409	3564	3073	4636	8910	5356	2231
66	1994 Regional Report Surplus Deficit	1265	72.9	2616	2291	2160	-475	-1966	160	2124	1461	3832	8233	4038	1845
67	1995 Regional Report Surplus Deficit	209	-1680	2490	2129	1177	-56.0	-861	5357	6739	4701	3835	9138	6356	2977
68	1996 Regional Report Surplus Deficit	1424	334	3700	4859	5965	4689	5213	7742	8449	8129	8219	9855	6660	4109
69	1997 Regional Report Surplus Deficit	2560	2902	3664	3094	2445	2547	5134	6998	8533	7834	7987	9728	6583	4339
70	1998 Regional Report Surplus Deficit	2869	3330	5881	7144	4160	2355	1403	4288	4881	4002	5015	9817	6765	3429
71	1999 Regional Report Surplus Deficit	2217	1439	3470	3030	1535	1999	4409	7072	7888	6788	6783	9696	6993	4415
72	2000 Regional Report Surplus Deficit	3132	3518	5064	3595	5059	3322	2618	4633	5925	7961	7672	9105	5466	3056
73	2001 Regional Report Surplus Deficit	2171	-645	3175	3068	1900	-778	-1454	507	2489	783	3288	6767	-2477	-0.14
74	2002 Regional Report Surplus Deficit	-1142	-2715	912	1295	1126	264	-1263	1040	3315	5841	6922	8550	6254	3744
75	2003 Regional Report Surplus Deficit	2129	827	3087	1664	1897	-678	-1904	252	5958	5669	4975	8515	6248	802
76	2004 Regional Report Surplus Deficit	-635	-2009	2262	2719	1714	1490	-1100	48.1	4967	4482	4245	8736	5165	861
77	2005 Regional Report Surplus Deficit	-111	-1009	4431	3179	1913	1444	1019	2875	3457	2092	3781	9008	5270	1763
78	2006 Regional Report Surplus Deficit	1056	-978	2678	2231	1848	866	2821	5031	5994	8159	7575	9864	6459	2614
79	2007 Regional Report Surplus Deficit	1525	-1506	2736	1985	2283	1021	2416	2703	7312	6445	5437	9139	4757	3119
80	2008 Regional Report Surplus Deficit	1196	-1030	2093	2607	1477	66.8	-130	1766	3755	4639	2768	9652	7020	3593

Ranked Averages

81	**Bottom 10 pct**	**-658**	**-2022**	**2362**	**2682**	**1821**	**50.7**	**-754**	**1147**	**3851**	**3928**	**4563**	**9011**	**5408**	**1991**
82	**Middle 80 pct**	**1566**	**633**	**3361**	**3226**	**2439**	**1388**	**1800**	**3784**	**5546**	**5688**	**5594**	**9124**	**5379**	**2747**
83	**Top 10 pct**	**2935**	**3188**	**5785**	**4231**	**3156**	**1577**	**1731**	**4106**	**5358**	**5433**	**5384**	**9005**	**5236**	**3044**

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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

Loads and Resources - Federal System

Operating Year: 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

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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**	1086	1086	1003	914	790	905	831	820	929	978	978	1048	1092	1109
2	Federal Agencies	132	132	127	147	173	200	202	191	181	166	166	147	142	142
3	USBR Obligation	639	639	559	451	302	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9906	9558	8992	8865	10517	11635	11651	10676	10286	9253	9201	9530	8989	9742
6	Load Following 2012 PSC	4065	4065	3827	4154	4708	5370	5340	5099	4600	4367	4367	3982	3908	4137
7	Block 2012 PSC	0	0	0	9.84	44.5	39.1	55.0	53.9	46.1	2.99	2.99	0	0	11.0
8	Slice Block 2012 PSC	1634	1634	1715	1624	1992	2216	2243	2076	1937	1636	1636	1424	1325	1561
9	Slice Right to Power 2012 PSC	2722	2399	2220	2468	2910	2986	2620	2384	2779	2484	2402	3555	3111	2995
10	Exports	1796	1796	1673	1383	1338	1579	1581	1340	1339	1338	1338	1378	1380	1431
11	Intra-Regional Transfers (Out)	434	434	284	9.00	287	283	357	358	220	218	218	84.0	84.0	9.00
12	Federal Diversity	-745	-771	-727	-783	-763	-838	-544	-634	-635	-792	-763	-891	-819	-402
13	**Total Firm Obligations**	**10993**	**10644**	**9994**	**9778**	**11307**	**12540**	**12482**	**11496**	**11215**	**10231**	**10179**	**10578**	**10081**	**10851**
	Net Resources														
1	**Net Hydro**	12929	11653	10377	11206	13308	14110	12577	11363	12629	11775	11451	15979	14334	13907
2	Regulated Hydro - Net	12460	11190	9839	10790	12914	13834	12332	11144	12266	11170	10833	15220	13534	13391
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	1154	1148	1151
5	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
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	465	457	1024	978	1039	927	909	907	1162	889	887	348	599	379
12	Imports	56.0	56.0	312	312	112	81.8	81.8	81.8	322	65.5	65.5	11.0	1.00	56.0
13	Intra-Regional Transfers (In)	108	108	412	371	621	529	529	529	529	529	529	17.0	279	17.0
14	Non-Federal CER	236	236	247	236	237	245	236	240	245	236	236	234	245	234
15	Slice Transmission Loss Return	65.1	57.4	53.1	59.0	69.6	71.4	62.6	57.0	66.5	59.4	57.4	85.1	74.4	71.7
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2076	-1997	-1927	-2006	-2180	-2254	-2161	-2070	-2120	-2048	-2028	-2206	-2149	-2145
18	Contingency Reserves (Spinning)	-373	-355	-331	-357	-409	-435	-414	-388	-388	-370	-365	-388	-383	-392
19	Contingency Reserves (Non-Spinning)	-373	-355	-331	-357	-409	-435	-414	-388	-388	-370	-365	-388	-383	-392
20	Load Following Reserves	-486	-486	-486	-491	-491	-491	-488	-488	-488	-488	-488	-488	-488	-488
21	Generation Imbalance Reserves	-411	-411	-411	-409	-409	-409	-412	-412	-412	-412	-412	-412	-412	-412
22	Transmission Losses	-432	-390	-368	-393	-462	-483	-433	-394	-445	-408	-397	-529	-483	-461
23	**Total Net Resources**	**12463**	**11259**	**10621**	**11330**	**13322**	**13940**	**12484**	**11358**	**12829**	**11773**	**11467**	**15274**	**13933**	**13293**
24	**Total Surplus/Deficit**	**1471**	**615**	**627**	**1552**	**2015**	**1400**	**1.44**	**-138**	**1614**	**1542**	**1288**	**4696**	**3851**	**2441**

Loads and Resources - Federal System

Operating Year: 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Obligations														
1	**Non-Utility Obligation**	1089	1089	1005	916	792	908	834	826	931	980	980	1050	1094	1111
2	Federal Agencies	134	134	129	149	175	203	204	197	184	168	168	149	144	144
3	USBR Obligation	639	639	559	451	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9452	9141	8945	8698	10689	11717	11921	10916	10267	9242	9271	9336	8595	9899
6	Load Following 2012 PSC	4078	4078	3827	4117	4678	5348	5337	5107	4571	4340	4340	3952	3876	4115
7	Block 2012 PSC	11.3	11.3	23.3	10.6	47.9	42.1	59.2	58.0	49.6	3.22	3.22	0	0	11.8
8	Slice Block 2012 PSC	1561	1561	1628	1697	2091	2326	2355	2177	2025	1706	1706	1506	1411	1640
9	Slice Right to Power 2012 PSC	2822	2591	2685	2200	2891	2989	2778	2506	2708	2453	2446	3319	2739	3015
10	Exports	1667	1667	1551	1415	1370	1611	1613	1372	1371	1370	1370	1410	1412	1448
11	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
12	Federal Diversity	-696	-777	-778	-750	-678	-884	-504	-587	-603	-774	-737	-860	-852	-340
13	**Total Firm Obligations**	**10541**	**10230**	**9950**	**9614**	**11481**	**12626**	**12754**	**11742**	**11199**	**10221**	**10251**	**10385**	**9690**	**11010**
	Net Resources														
1	**Net Hydro**	13450	12526	12429	10284	13398	14168	13248	11893	12388	11695	11667	16189	14001	14037
2	Regulated Hydro - Net	12982	12063	11890	9868	13003	13893	13002	11674	12025	11089	11049	15430	13202	13521
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1157	1157	23.6	18.3	1151
5	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
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	384	378	891	934	736	723	718	715	965	697	697	409	639	423
12	Imports	56.0	56.0	312	312	86.8	81.8	81.8	81.8	322	65.5	65.5	11.0	1.00	41.0
13	Intra-Regional Transfers (In)	17.0	17.0	279	335	335	335	335	335	335	335	335	73.0	335	73.0
14	Non-Federal CER	243	243	236	234	245	234	234	238	243	238	238	246	238	237
15	Slice Transmission Loss Return	67.5	61.9	64.2	52.5	69.1	71.5	66.4	59.9	64.7	58.6	58.4	79.4	65.5	72.1
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2110	-2053	-2053	-1951	-2178	-2254	-2200	-2100	-2101	-2039	-2038	-2122	-2031	-2157
18	Contingency Reserves (Spinning)	-382	-369	-361	-345	-412	-438	-426	-398	-386	-370	-370	-360	-347	-395
19	Contingency Reserves (Non-Spinning)	-382	-369	-361	-345	-412	-438	-426	-398	-386	-370	-370	-360	-347	-395
20	Load Following Reserves	-488	-488	-488	-489	-489	-489	-489	-489	-489	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-412	-412	-412	-411	-411	-411	-411	-411	-411	-405	-405	-405	-405	-405
22	Transmission Losses	-446	-416	-430	-361	-454	-478	-448	-404	-430	-399	-398	-503	-438	-466
23	**Total Net Resources**	**12870**	**11997**	**12414**	**10420**	**13110**	**13794**	**12924**	**11665**	**12409**	**11509**	**11483**	**14500**	**12628**	**13454**
24	**Total Surplus/Deficit**	**2328**	**1768**	**2464**	**806**	**1629**	**1169**	**170**	**-76.6**	**1211**	**1288**	**1232**	**4114**	**2939**	**2444**

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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**	1090	1090	1007	915	802	918	845	827	938	985	985	1052	1097	1113
2	Federal Agencies	136	136	131	151	184	213	216	198	190	173	173	152	146	147
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9483	9019	8823	8715	10995	11795	11949	10754	10176	9475	9230	9569	8867	9721
6	Load Following 2012 PSC	4045	4045	3792	4302	4908	5561	5505	5201	4719	4538	4538	4101	4081	4291
7	Block 2012 PSC	12.2	12.2	25.1	11.0	49.6	43.6	61.3	58.0	51.4	3.33	3.33	0	0	12.3
8	Slice Block 2012 PSC	1634	1634	1707	1649	2031	2260	2288	2041	1966	1658	1658	1467	1375	1595
9	Slice Right to Power 2012 PSC	2810	2498	2520	2201	2893	2991	2780	2509	2711	2517	2510	3622	3048	3022
10	Exports	1616	1616	1499	1379	1334	1575	1576	1335	1335	1334	1334	1317	1319	1350
11	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
12	Federal Diversity	-642	-794	-730	-836	-503	-919	-545	-674	-750	-718	-956	-947	-965	-557
13	**Total Firm Obligations**	**10573**	**10110**	**9830**	**9630**	**11797**	**12713**	**12794**	**11580**	**11113**	**10461**	**10216**	**10621**	**9964**	**10835**
	Net Resources														
1	**Net Hydro**	13384	12145	11771	10289	13404	14174	13252	11895	12392	11680	11652	16280	14073	14041
2	Regulated Hydro - Net	12915	11681	11232	9873	13009	13898	13007	11676	12028	11074	11034	15521	13274	13525
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1146	1146	1147	1152	1154	1157	1159	1158	1158	1135	1135	1135	1134	1133
5	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
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	427	420	914	892	704	696	700	687	929	925	925	393	633	378
12	Imports	41.0	41.0	281	281	65.6	65.6	65.6	65.6	306	306	306	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	73.0	73.0	335	322	322	322	322	322	322	322	322	60.0	322	60.0
14	Non-Federal CER	246	246	238	237	248	237	246	239	236	237	237	245	237	245
15	Slice Transmission Loss Return	67.2	59.7	60.2	52.4	69.1	71.4	66.4	59.8	64.7	60.0	59.9	86.6	72.8	72.2
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2110	-2033	-2016	-1954	-2183	-2258	-2203	-2102	-2103	-2031	-2029	-2250	-2140	-2159
18	Contingency Reserves (Spinning)	-382	-364	-353	-347	-415	-440	-428	-399	-387	-363	-362	-406	-383	-398
19	Contingency Reserves (Non-Spinning)	-382	-364	-353	-347	-415	-440	-428	-399	-387	-363	-362	-406	-383	-398
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-445	-405	-410	-360	-453	-477	-447	-403	-429	-406	-405	-539	-475	-464
23	**Total Net Resources**	**12847**	**11677**	**11816**	**10380**	**13080**	**13768**	**12907**	**11638**	**12375**	**11708**	**11682**	**15557**	**13700**	**13394**
24	**Total Surplus/Deficit**	**2274**	**1567**	**1987**	**750**	**1283**	**1055**	**113**	**57.6**	**1261**	**1247**	**1467**	**4937**	**3737**	**2559**

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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**	1093	1093	1009	918	806	923	846	831	939	986	986	1053	1097	1114
2	Federal Agencies	138	138	134	154	189	218	217	203	191	174	174	152	147	147
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9451	8887	8894	8873	10939	11846	12060	11006	10224	9574	9233	9405	8633	9796
6	Load Following 2012 PSC	4192	4192	3997	4356	4957	5618	5563	5332	4756	4577	4577	4139	4123	4336
7	Block 2012 PSC	12.6	12.6	26.0	11.3	51.0	44.8	63.0	61.7	52.8	3.42	3.42	0	0	12.6
8	Slice Block 2012 PSC	1589	1589	1657	1690	2081	2316	2345	2166	2013	1699	1699	1505	1410	1635
9	Slice Right to Power 2012 PSC	2810	2499	2520	2200	2872	2971	2758	2489	2690	2502	2495	3328	2754	3020
10	Exports	1554	1554	1437	1317	1319	1560	1561	1320	1320	1318	1318	1317	1319	1350
11	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
12	Federal Diversity	-714	-968	-753	-711	-628	-947	-517	-644	-752	-670	-1004	-892	-982	-566
13	**Total Firm Obligations**	**10544**	**9980**	**9904**	**9790**	**11745**	**12769**	**12905**	**11838**	**11164**	**10560**	**10219**	**10458**	**9730**	**10910**
	Net Resources														
1	**Net Hydro**	13387	12148	11775	10292	13406	14176	13255	11900	12394	11682	11654	16212	14007	14044
2	Regulated Hydro - Net	12919	11685	11236	9876	13012	13901	13009	11681	12030	11076	11036	15453	13208	13528
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	364	357	861	868	636	637	641	629	870	876	876	384	633	385
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	60.0	60.0	322	329	329	329	329	329	329	329	329	67.0	329	67.0
14	Non-Federal CER	236	236	237	245	238	236	245	240	236	247	247	236	237	245
15	Slice Transmission Loss Return	67.1	59.6	60.1	52.4	68.6	70.9	65.8	59.3	64.2	59.7	59.5	79.5	65.7	72.1
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2111	-2034	-2018	-1955	-2182	-2258	-2203	-2104	-2103	-2032	-2030	-2146	-2037	-2162
18	Contingency Reserves (Spinning)	-384	-366	-356	-348	-416	-442	-429	-402	-388	-364	-363	-373	-350	-399
19	Contingency Reserves (Non-Spinning)	-384	-366	-356	-348	-416	-442	-429	-402	-388	-364	-363	-373	-350	-399
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-443	-402	-407	-358	-450	-475	-445	-401	-426	-404	-403	-501	-437	-464
23	**Total Net Resources**	**12774**	**11604**	**11750**	**10338**	**12995**	**13690**	**12827**	**11560**	**12296**	**11661**	**11635**	**14454**	**12607**	**13400**
24	**Total Surplus/Deficit**	**2230**	**1625**	**1847**	**548**	**1250**	**921**	**-78.3**	**-278**	**1132**	**1101**	**1416**	**3996**	**2877**	**2490**

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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**	1093	1093	1010	919	800	913	839	822	939	987	987	1054	1098	1115
2	Federal Agencies	139	139	135	154	182	208	210	194	192	175	175	153	148	148
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9541	8938	8965	8920	10958	11967	11729	10986	10255	9472	9304	9699	8957	9836
6	Load Following 2012 PSC	4233	4233	4034	4398	5005	5673	5625	5394	4799	4621	4621	4177	4162	4381
7	Block 2012 PSC	12.9	12.9	26.7	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
8	Slice Block 2012 PSC	1628	1628	1698	1674	2062	2295	2323	2146	1995	1683	1683	1490	1397	1619
9	Slice Right to Power 2012 PSC	2803	2492	2515	2205	2876	2974	2764	2493	2694	2444	2438	3622	3050	3023
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-717	-1009	-772	-712	-661	-883	-909	-730	-768	-759	-920	-933	-998	-576
13	**Total Firm Obligations**	**10634**	**10031**	**9975**	**9839**	**11758**	**12880**	**12567**	**11809**	**11194**	**10459**	**10291**	**10753**	**10055**	**10951**
	Net Resources														
1	**Net Hydro**	13390	12151	11777	10294	13409	14179	13257	11903	12396	11705	11677	16264	14078	14047
2	Regulated Hydro - Net	12921	11687	11239	9878	13014	13903	13012	11683	12032	11099	11059	15504	13279	13530
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	371	363	736	759	512	522	508	505	746	509	509	395	514	390
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	67.0	67.0	198	221	205	205	205	205	205	205	205	74.0	205	74.0
14	Non-Federal CER	236	236	237	245	238	245	236	240	236	245	245	234	235	243
15	Slice Transmission Loss Return	66.9	59.4	60.0	52.3	68.4	70.8	65.7	59.2	64.0	58.0	57.8	86.3	72.6	71.9
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2114	-2037	-2016	-1954	-2180	-2257	-2202	-2102	-2101	-2042	-2040	-2235	-2141	-2165
18	Contingency Reserves (Spinning)	-385	-367	-357	-350	-417	-443	-431	-403	-389	-375	-375	-398	-385	-400
19	Contingency Reserves (Non-Spinning)	-385	-367	-357	-350	-417	-443	-431	-403	-389	-375	-375	-398	-385	-400
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-443	-402	-403	-355	-446	-471	-440	-397	-422	-392	-391	-539	-471	-465
23	**Total Net Resources**	**12780**	**11611**	**11630**	**10234**	**12875**	**13578**	**12698**	**11440**	**12175**	**11306**	**11279**	**15559**	**13585**	**13405**
24	**Total Surplus/Deficit**	**2146**	**1580**	**1655**	**395**	**1117**	**699**	**131**	**-369**	**981**	**846**	**988**	**4806**	**3530**	**2454**

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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**	1094	1094	1011	920	804	920	862	846	953	999	999	1066	1111	1126
2	Federal Agencies	140	140	136	155	186	215	233	218	205	187	187	166	161	159
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9531	8936	8864	8880	10830	11734	11576	10898	10264	9354	9184	9442	8738	9987
6	Load Following 2012 PSC	4272	4272	4071	4432	5048	5725	5686	5465	4836	4660	4660	4210	4195	4421
7	Block 2012 PSC	13.3	13.3	27.4	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
8	Slice Block 2012 PSC	1613	1613	1682	1692	2084	2320	2349	2170	2017	1702	1702	1508	1413	1637
9	Slice Right to Power 2012 PSC	2810	2500	2523	2204	2947	3044	2833	2562	2728	2479	2472	3328	2756	3021
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-757	-1042	-903	-803	-654	-995	-950	-716	-718	-835	-998	-946	-972	-481
13	**Total Firm Obligations**	**10626**	**10031**	**9875**	**9800**	**11633**	**12654**	**12438**	**11745**	**11217**	**10353**	**10183**	**10509**	**9848**	**11113**
	Net Resources														
1	**Net Hydro**	13392	12153	11780	10297	13411	14182	13261	11907	12398	11708	11680	16198	14010	14049
2	Regulated Hydro - Net	12923	11689	11241	9881	13016	13906	13016	11687	12035	11102	11062	15439	13211	13533
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	376	368	751	736	516	526	511	509	758	502	501	390	518	383
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	74.0	74.0	205	209	209	209	209	209	209	209	209	78.0	209	78.0
14	Non-Federal CER	234	234	245	234	236	243	234	238	243	233	233	232	242	232
15	Slice Transmission Loss Return	66.8	59.4	59.9	52.2	70.1	72.4	67.4	60.8	64.8	58.8	58.7	79.3	65.5	71.9
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2116	-2039	-2019	-1956	-2183	-2260	-2206	-2107	-2104	-2045	-2043	-2133	-2038	-2167
18	Contingency Reserves (Spinning)	-386	-368	-358	-351	-418	-445	-433	-405	-391	-377	-376	-366	-353	-402
19	Contingency Reserves (Non-Spinning)	-386	-368	-358	-351	-418	-445	-433	-405	-391	-377	-376	-366	-353	-402
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-443	-403	-404	-354	-446	-471	-440	-397	-422	-392	-391	-501	-433	-464
23	**Total Net Resources**	**12785**	**11616**	**11644**	**10211**	**12878**	**13582**	**12702**	**11444**	**12187**	**11299**	**11273**	**14459**	**12493**	**13398**
24	**Total Surplus/Deficit**	**2160**	**1585**	**1769**	**412**	**1245**	**928**	**263**	**-301**	**969**	**946**	**1090**	**3951**	**2645**	**2285**

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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**	1105	1105	1024	931	822	943	874	853	962	1006	1006	1070	1115	1132
2	Federal Agencies	150	150	148	167	204	238	245	224	215	194	194	170	165	165
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9565	8992	8908	8836	10864	11773	11613	10775	10286	9356	9185	9711	9012	10028
6	Load Following 2012 PSC	4304	4304	4102	4472	5099	5786	5753	5439	4879	4704	4704	4247	4233	4465
7	Block 2012 PSC	13.3	13.3	27.4	11.7	53.0	46.6	65.5	61.9	54.9	3.56	3.56	0	0	13.1
8	Slice Block 2012 PSC	1631	1631	1700	1676	2065	2298	2326	2075	1998	1685	1685	1492	1398	1621
9	Slice Right to Power 2012 PSC	2809	2498	2522	2206	2949	3046	2835	2564	2730	2479	2473	3620	3049	3022
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-772	-1035	-908	-873	-653	-997	-960	-718	-722	-861	-1024	-990	-1013	-469
13	**Total Firm Obligations**	**10670**	**10097**	**9931**	**9767**	**11686**	**12715**	**12487**	**11628**	**11248**	**10362**	**10192**	**10781**	**10127**	**11160**
	Net Resources														
1	**Net Hydro**	13395	12156	11782	10299	13414	14185	13265	11907	12401	11706	11679	16265	14079	14052
2	Regulated Hydro - Net	12926	11692	11243	9883	13020	13909	13019	11688	12038	11100	11061	15506	13280	13536
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	377	370	621	525	304	314	300	296	546	290	290	325	304	302
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	1.00	1.00	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	78.0	78.0	78.0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	232	232	242	232	233	241	232	234	240	230	230	238	230	229
15	Slice Transmission Loss Return	66.8	59.3	59.9	52.3	70.1	72.5	67.4	60.9	64.9	58.9	58.7	86.3	72.6	71.9
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2119	-2042	-2017	-1951	-2179	-2256	-2202	-2100	-2099	-2040	-2038	-2239	-2139	-2167
18	Contingency Reserves (Spinning)	-388	-370	-359	-352	-420	-446	-434	-405	-392	-378	-377	-401	-388	-403
19	Contingency Reserves (Non-Spinning)	-388	-370	-359	-352	-420	-446	-434	-405	-392	-378	-377	-401	-388	-403
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-443	-403	-399	-347	-439	-464	-433	-390	-415	-384	-384	-537	-464	-462
23	**Total Net Resources**	**12787**	**11617**	**11519**	**10007**	**12674**	**13378**	**12497**	**11238**	**11983**	**11090**	**11066**	**15486**	**13378**	**13320**
24	**Total Surplus/Deficit**	**2117**	**1520**	**1588**	**240**	**988**	**662**	**10.2**	**-390**	**734**	**728**	**874**	**4705**	**3251**	**2160**

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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**	1111	1111	1027	935	832	955	875	858	963	1007	1007	1071	1116	1132
2	Federal Agencies	157	157	152	171	215	250	245	229	215	195	195	170	165	165
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9531	8958	8852	8879	10906	11762	11762	11042	10240	9469	9226	9480	8822	9984
6	Load Following 2012 PSC	4341	4341	4138	4511	5149	5847	5812	5589	4915	4741	4741	4278	4265	4504
7	Block 2012 PSC	13.5	13.5	27.8	11.7	52.9	46.4	65.3	64.0	54.8	3.55	3.55	0	0	13.1
8	Slice Block 2012 PSC	1615	1615	1684	1671	2059	2292	2321	2143	1992	1680	1680	1489	1395	1617
9	Slice Right to Power 2012 PSC	2809	2499	2523	2204	2947	3044	2833	2563	2729	2541	2534	3327	2757	3021
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-828	-1091	-985	-863	-654	-1061	-864	-670	-797	-842	-1078	-958	-941	-547
13	**Total Firm Obligations**	**10642**	**10069**	**9880**	**9814**	**11738**	**12717**	**12636**	**11900**	**11203**	**10476**	**10233**	**10551**	**9937**	**11116**
	Net Resources														
1	**Net Hydro**	13397	12158	11784	10302	13417	14189	13266	11912	12402	11711	11683	16200	14015	14053
2	Regulated Hydro - Net	12929	11695	11245	9886	13023	13913	13021	11692	12039	11105	11065	15441	13215	13536
3	Independent Hydro - Net	469	464	539	416	395	276	245	219	363	606	618	759	799	516
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	306	298	531	522	311	302	306	295	535	529	529	315	294	299
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	238	238	230	229	240	229	238	233	229	228	228	235	228	226
15	Slice Transmission Loss Return	66.8	59.3	59.9	52.2	70.1	72.4	67.4	60.9	64.8	60.3	60.2	79.2	65.5	71.9
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2119	-2042	-2016	-1953	-2182	-2259	-2203	-2104	-2100	-2049	-2047	-2135	-2034	-2168
18	Contingency Reserves (Spinning)	-389	-371	-360	-353	-421	-448	-435	-407	-392	-378	-378	-368	-354	-403
19	Contingency Reserves (Non-Spinning)	-389	-371	-360	-353	-421	-448	-435	-407	-392	-378	-378	-368	-354	-403
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-441	-400	-396	-347	-440	-463	-433	-389	-415	-393	-392	-499	-426	-462
23	**Total Net Resources**	**12717**	**11548**	**11432**	**10004**	**12680**	**13366**	**12503**	**11237**	**11971**	**11325**	**11299**	**14385**	**12279**	**13317**
24	**Total Surplus/Deficit**	**2075**	**1478**	**1552**	**190**	**942**	**650**	**-133**	**-664**	**768**	**849**	**1066**	**3833**	**2342**	**2201**

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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**	1112	1112	1028	935	833	956	876	856	964	1008	1008	1072	1116	1133
2	Federal Agencies	157	157	152	171	215	251	246	227	216	196	196	171	166	166
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9540	8995	8872	8974	10947	11941	11775	11096	10270	9503	9108	9802	9139	9981
6	Load Following 2012 PSC	4372	4372	4169	4560	5208	5917	5849	5622	4947	4772	4772	4309	4296	4536
7	Block 2012 PSC	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
8	Slice Block 2012 PSC	1611	1611	1679	1679	2068	2303	2332	2152	2000	1687	1687	1497	1401	1624
9	Slice Right to Power 2012 PSC	2808	2498	2522	2201	2943	3039	2828	2558	2725	2539	2532	3619	3047	3018
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-844	-1079	-989	-820	-677	-958	-892	-653	-804	-844	-1233	-966	-951	-586
13	**Total Firm Obligations**	**10652**	**10107**	**9900**	**9910**	**11780**	**12896**	**12651**	**11952**	**11234**	**10511**	**10115**	**10874**	**10255**	**11114**
	Net Resources														
1	**Net Hydro**	13399	12160	11785	10290	13402	14169	13246	11893	12390	11683	11656	16291	14077	14043
2	Regulated Hydro - Net	12930	11696	11246	9887	13024	13915	13023	11694	12041	11088	11048	15538	13288	13539
3	Independent Hydro - Net	469	464	539	403	378	254	223	199	349	596	608	753	789	504
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	1135	1134	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	303	295	528	528	299	300	303	292	532	526	526	320	299	305
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	235	235	228	235	228	226	235	230	226	225	225	233	225	233
15	Slice Transmission Loss Return	66.8	59.3	59.9	52.2	70.0	72.3	67.2	60.7	64.8	60.3	60.1	86.2	72.5	71.8
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2120	-2043	-2017	-1954	-2183	-2260	-2205	-2105	-2102	-2031	-2029	-2264	-2142	-2170
18	Contingency Reserves (Spinning)	-390	-372	-360	-354	-422	-449	-436	-408	-394	-369	-369	-414	-389	-404
19	Contingency Reserves (Non-Spinning)	-390	-372	-360	-354	-422	-449	-436	-408	-394	-369	-369	-414	-389	-404
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-441	-400	-396	-347	-439	-462	-433	-389	-414	-392	-391	-537	-463	-461
23	**Total Net Resources**	**12715**	**11545**	**11429**	**9998**	**12653**	**13343**	**12479**	**11214**	**11955**	**11313**	**11288**	**15481**	**13368**	**13311**
24	**Total Surplus/Deficit**	**2062**	**1438**	**1529**	**87.6**	**873**	**447**	**-172**	**-738**	**721**	**803**	**1172**	**4608**	**3112**	**2197**

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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**	1113	1113	1028	936	834	957	877	860	965	1009	1009	1072	1117	1133
2	Federal Agencies	158	158	153	172	216	252	247	231	217	197	197	172	167	167
3	USBR Obligation	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	DSI Obligation	316	316	316	316	316	316	316	316	316	316	316	316	316	316
5	**Transfers Out**	9619	8913	8887	9000	10975	11973	11851	11160	10305	9603	9220	9511	8875	10015
6	Load Following 2012 PSC	4405	4405	4200	4596	5247	5960	5891	5673	4985	4810	4810	4345	4333	4575
7	Block 2012 PSC	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
8	Slice Block 2012 PSC	1618	1618	1686	1680	2070	2305	2334	2155	2002	1689	1689	1499	1403	1626
9	Slice Right to Power 2012 PSC	2805	2495	2518	2200	2942	3038	2827	2556	2724	2538	2531	3326	2754	3016
10	Exports	1571	1571	1455	1335	1336	1577	1578	1338	1337	1336	1336	1334	1337	1367
11	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
12	Federal Diversity	-803	-1199	-1009	-831	-689	-970	-860	-641	-808	-783	-1159	-1003	-961	-592
13	**Total Firm Obligations**	**10732**	**10025**	**9915**	**9936**	**11809**	**12930**	**12728**	**12020**	**11270**	**10611**	**10228**	**10584**	**9992**	**11148**
	Net Resources														
1	**Net Hydro**	13391	12152	11776	10291	13404	14171	13249	11896	12392	11685	11658	16225	14011	14045
2	Regulated Hydro - Net	12932	11698	11248	9889	13026	13917	13025	11697	12043	11090	11050	15472	13222	13541
3	Independent Hydro - Net	459	454	528	403	378	254	223	199	349	596	608	753	789	504
4	**Other Resources**	1133	1133	1133	1134	1134	1135	1135	1135	1135	1135	1135	4.58	4.09	1133
5	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Large Thermal Resources	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	1130	0	0	1130
8	Renewable Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	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
10	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	**Contract Purchases**	292	284	526	526	296	297	301	289	530	533	533	302	289	303
12	Imports	1.00	1.00	241	241	1.00	1.00	1.00	1.00	241	241	241	1.00	1.00	1.00
13	Intra-Regional Transfers (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Non-Federal CER	224	224	225	233	226	224	233	228	224	232	232	222	223	230
15	Slice Transmission Loss Return	66.7	59.2	59.8	52.1	70.0	72.3	67.2	60.7	64.7	60.3	60.1	79.2	65.5	71.8
16	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-2122	-2045	-2018	-1956	-2185	-2262	-2207	-2108	-2104	-2033	-2031	-2160	-2038	-2172
18	Contingency Reserves (Spinning)	-391	-373	-361	-355	-423	-450	-437	-410	-395	-370	-370	-381	-356	-405
19	Contingency Reserves (Non-Spinning)	-391	-373	-361	-355	-423	-450	-437	-410	-395	-370	-370	-381	-356	-405
20	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
21	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
22	Transmission Losses	-440	-399	-396	-346	-438	-462	-432	-389	-414	-392	-391	-498	-425	-461
23	**Total Net Resources**	**12695**	**11525**	**11417**	**9995**	**12650**	**13341**	**12477**	**11212**	**11953**	**11320**	**11294**	**14372**	**12267**	**13309**
24	**Total Surplus/Deficit**	**1963**	**1500**	**1502**	**58.7**	**841**	**410**	**-251**	**-809**	**683**	**708**	**1066**	**3788**	**2275**	**2161**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	28300	28300	25460	26696	29752	32865	33108	31143	28911	27164	27164	25491	27953	29902
2	Federal Agency	143	143	139	158	181	208	210	199	189	178	178	159	154	154
3	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
4	Cooperative	2263	2263	2084	2441	2706	3081	3032	2896	2663	2593	2593	2491	2513	2681
5	Municipality	3349	3349	3191	3623	4123	4498	4446	4296	3968	3693	3693	3255	3207	3384
6	Public Utility District	5025	5025	4831	5654	6432	7146	7204	6733	6270	5897	5897	5304	5115	5352
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	465	465	465	465	465	465	465	465	465	465	465	465	465	465
10	**Exports**	2613	2613	2490	1859	1719	1957	1959	1718	1720	1719	1727	1670	2191	2242
11	Canada	1552	1552	1431	1311	1311	1551	1551	1311	1311	1311	1311	1311	1311	1340
12	East Continental Divide	19.8	19.8	17.4	17.1	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	1042	1042	1042	531	395	392	392	392	395	395	403	348	867	887
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-745	-771	-727	-783	-763	-838	-544	-634	-635	-792	-763	-891	-819	-402
17		-745	-771	-727	-783	-763	-838	-544	-634	-635	-792	-763	-891	-819	-402
18	**Total Firm Loads**	**30168**	**30143**	**27223**	**27772**	**30708**	**33984**	**34523**	**32227**	**29996**	**28090**	**28127**	**26269**	**29325**	**31742**
	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**	23170	22180	20636	21364	23666	24527	23255	21545	22794	21856	21497	26652	25663	24908
2	Regulated Hydro - Net	21661	20673	19057	19853	22201	23136	21920	20300	21289	20067	19692	24662	23625	23281
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16478	16477	16482	16524	16631	16699	16706	16666	15984	16168	15698	14691	15956	16552
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	5886	5886	5937	5977	6122	6184	6193	6149	6103	6065	6065	5688	5444	5891
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6478	6478	5592	6842	6996
8	Renewable Resources	160	161	161	161	160	161	160	161	159	160	159	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1077	1077	1210	1159	1321	1422	1408	1426	1285	889	889	864	1091	1236
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	175	175	155	154	159	170	178	165	159	147	147	148	166	184
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	510	502	502	502	127	76.5	76.5	10.00	0	55.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-4027	-3966	-3790	-3865	-4118	-4266	-4197	-4036	-3999	-3889	-3838	-4006	-4130	-4181
18	Contingency Reserves (Non-Spinning)	-928	-914	-848	-873	-959	-1018	-1004	-951	-925	-888	-875	-891	-946	-973
19	Contingency Reserves (Spinning)	-928	-914	-848	-873	-959	-1018	-1004	-951	-925	-888	-875	-891	-946	-973
20	Generation Imbalance Reserves	-411	-411	-411	-409	-409	-409	-412	-412	-412	-412	-412	-412	-412	-412
21	Load Following Reserves	-486	-486	-486	-491	-491	-491	-488	-488	-488	-488	-488	-488	-488	-488
22	Transmission Losses	-1272	-1240	-1197	-1219	-1300	-1330	-1288	-1234	-1250	-1214	-1187	-1324	-1337	-1335
23	**Total Resources**	**36698**	**35768**	**34538**	**35182**	**37500**	**38383**	**37171**	**35601**	**36063**	**35024**	**34246**	**38201**	**38580**	**38515**
24	**Total Surplus/Deficit**	**6530**	**5626**	**7301**	**7410**	**6792**	**4398**	**2644**	**3351**	**6013**	**6901**	**6084**	**11932**	**9255**	**6774**

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	29508	29508	26439	27272	30427	33538	33811	31771	29416	27643	27643	25908	28549	30600
2	Federal Agency	145	145	141	161	183	211	212	205	192	180	180	161	156	156
3	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2629	2629	2409	2514	2779	3156	3085	2961	2714	2649	2649	2544	2567	2727
5	Municipality	3379	3379	3179	3640	4143	4517	4444	4293	3966	3689	3689	3251	3202	3381
6	Public Utility District	5300	5300	5057	5676	6536	7202	7317	6805	6316	5949	5949	5300	5206	5501
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	465	465	465	510	510	510	510	510	510	510	510	510	510	510
10	**Exports**	2478	2478	2362	1885	1751	1989	1836	1595	1598	1596	1604	1547	2068	2104
11	Canada	1577	1577	1463	1343	1343	1583	1583	1343	1343	1343	1343	1343	1343	1372
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	887	887	887	531	395	392	238	238	241	241	249	193	712	717
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-696	-777	-778	-750	-678	-884	-504	-587	-603	-774	-737	-860	-852	-340
17		-696	-777	-778	-750	-678	-884	-504	-587	-603	-774	-737	-860	-852	-340
18	**Total Firm Loads**	**31290**	**31210**	**28023**	**28407**	**31500**	**34643**	**35143**	**32779**	**30410**	**28465**	**28510**	**26596**	**29765**	**32364**
	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**	23691	23053	22688	20066	23726	24526	23856	22097	22532	21627	21573	26815	25322	25033
2	Regulated Hydro - Net	22183	21546	21109	18556	22262	23135	22520	20853	21028	19839	19768	24825	23285	23406
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16479	16478	16482	16525	16632	16702	16926	16886	16204	16907	16436	13935	15047	16773
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	5886	5886	5937	5977	6122	6187	6413	6369	6323	6285	6285	5908	5664	6111
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	4616	5712	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1098	1098	1226	1170	1304	1432	1416	1434	1294	897	897	872	1106	1237
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	177	177	157	155	160	171	180	167	161	148	148	150	169	186
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	485	502	502	502	127	76.5	76.5	10.00	0	40.0

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-4081	-4042	-3934	-3803	-4138	-4285	-4261	-4096	-4005	-3914	-3881	-3941	-4031	-4214
18	Contingency Reserves (Non-Spinning)	-946	-937	-885	-863	-969	-1027	-1023	-968	-928	-891	-883	-867	-917	-984
19	Contingency Reserves (Spinning)	-946	-937	-885	-863	-969	-1027	-1023	-968	-928	-891	-883	-867	-917	-984
20	Generation Imbalance Reserves	-412	-412	-412	-411	-411	-411	-411	-411	-411	-405	-405	-405	-405	-405
21	Load Following Reserves	-488	-488	-488	-489	-489	-489	-489	-489	-489	-495	-495	-495	-495	-495
22	Transmission Losses	-1289	-1268	-1264	-1177	-1301	-1330	-1315	-1259	-1249	-1231	-1214	-1306	-1298	-1346
23	**Total Resources**	**37187**	**36587**	**36463**	**33959**	**37524**	**38376**	**37937**	**36322**	**36025**	**35517**	**35024**	**37682**	**37444**	**38830**
24	**Total Surplus/Deficit**	**5896**	**5377**	**8425**	**5552**	**6024**	**3732**	**2790**	**3520**	**5561**	**7018**	**6481**	**11086**	**7679**	**6466**

Loads and Resources - Pacific Northwest Region

Operating Year: 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	30148	30148	26973	27828	30999	34116	34341	32227	29907	28160	28160	26370	29171	31216
2	Federal Agency	147	147	143	163	192	221	224	206	198	185	185	164	158	159
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2675	2675	2454	2592	2873	3246	3147	2992	2770	2739	2739	2610	2643	2784
5	Municipality	3375	3375	3176	3642	4156	4539	4471	4305	3989	3719	3719	3263	3248	3408
6	Public Utility District	5434	5434	5163	5808	6629	7268	7343	6839	6366	6014	6014	5360	5298	5601
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	510	510	510	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2272	2272	2156	1694	1560	1799	1800	1559	1561	1560	1568	1403	1924	1955
11	Canada	1541	1541	1427	1307	1307	1547	1547	1307	1307	1307	1307	1307	1307	1336
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	717	717	717	376	241	238	238	238	241	241	249	85.1	604	604
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-642	-794	-730	-836	-503	-919	-545	-674	-750	-718	-956	-947	-965	-557
17		-642	-794	-730	-836	-503	-919	-545	-674	-750	-718	-956	-947	-965	-557
18	**Total Firm Loads**	**31778**	**31626**	**28399**	**28686**	**32056**	**34996**	**35596**	**33112**	**30718**	**29003**	**28773**	**26825**	**30130**	**32613**
	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**	23640	22686	22109	20071	23732	24532	23860	22099	22536	21612	21557	26907	25394	25037
2	Regulated Hydro - Net	22132	21178	20530	18560	22268	23141	22525	20855	21032	19824	19753	24916	23357	23410
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16699	16698	16702	16745	16852	16922	16926	16886	16204	15021	15022	15731	16326	16773
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	2578	2570	2700	2944	2948
6	Combustion Turbine Resources	6106	6106	6157	6197	6342	6407	6413	6369	6323	6281	6281	5904	5660	6111
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	5586	5586	6416	6996	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1097	1097	1204	1144	1213	1346	1331	1350	1284	1143	1143	868	1117	1210
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	179	179	159	156	162	173	181	168	162	149	149	151	171	189
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	389	411	411	411	111	76.6	76.6	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**	-4101	-4042	-3919	-3823	-4160	-4307	-4275	-4106	-4019	-3840	-3837	-4101	-4159	-4230
18	Contingency Reserves (Non-Spinning)	-954	-940	-884	-870	-978	-1036	-1032	-975	-936	-882	-881	-918	-959	-993
19	Contingency Reserves (Spinning)	-954	-940	-884	-870	-978	-1036	-1032	-975	-936	-882	-881	-918	-959	-993
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1294	-1263	-1251	-1183	-1305	-1334	-1312	-1256	-1248	-1176	-1175	-1366	-1341	-1345
23	**Total Resources**	**37334**	**36437**	**36096**	**34137**	**37638**	**38494**	**37842**	**36230**	**36005**	**33936**	**33886**	**39405**	**38678**	**38790**
24	**Total Surplus/Deficit**	**5555**	**4811**	**7683**	**5451**	**5582**	**3498**	**2242**	**3095**	**5233**	**4900**	**5079**	**12579**	**8549**	**6177**

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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**	30740	30740	27532	28262	31469	34538	34836	32719	30244	28525	28525	26673	29649	31749
2	Federal Agency	150	150	146	165	197	226	225	211	199	186	186	164	159	159
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2720	2720	2523	2636	2918	3295	3192	3069	2813	2786	2786	2658	2694	2836
5	Municipality	3399	3399	3221	3690	4225	4520	4526	4345	3958	3725	3725	3209	3293	3468
6	Public Utility District	5530	5530	5267	5875	6684	7327	7402	6917	6419	6075	6075	5418	5348	5651
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2159	2159	2042	1581	1545	1783	1785	1544	1546	1544	1553	1403	1924	1955
11	Canada	1541	1541	1427	1307	1307	1547	1547	1307	1307	1307	1307	1307	1307	1336
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	604	604	604	263	225	223	223	223	225	225	233	85.1	604	604
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-714	-968	-753	-711	-628	-947	-517	-644	-752	-670	-1004	-892	-982	-566
17		-714	-968	-753	-711	-628	-947	-517	-644	-752	-670	-1004	-892	-982	-566
18	**Total Firm Loads**	**32185**	**31931**	**28822**	**29133**	**32386**	**35374**	**36104**	**33619**	**31039**	**29400**	**29074**	**27184**	**30591**	**33138**
	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**	23643	22689	22113	20074	23735	24535	23863	22104	22538	21614	21559	26839	25328	25040
2	Regulated Hydro - Net	22135	21182	20535	18563	22270	23143	22527	20860	21034	19825	19755	24848	23290	23413
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16699	16698	17138	17183	17290	17358	17366	17326	16644	16159	15688	14892	15487	17213
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6106	6106	6593	6635	6780	6843	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	5808	5808	5132	5712	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1067	1067	1171	1110	1153	1287	1271	1290	1225	1083	1083	873	1127	1222
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	182	182	161	158	163	175	183	170	164	151	151	153	173	191
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**	-4117	-4058	-3948	-3848	-4185	-4331	-4301	-4134	-4041	-3900	-3867	-4015	-4077	-4260
18	Contingency Reserves (Non-Spinning)	-962	-948	-892	-876	-984	-1042	-1039	-983	-940	-894	-886	-889	-932	-1001
19	Contingency Reserves (Spinning)	-962	-948	-892	-876	-984	-1042	-1039	-983	-940	-894	-886	-889	-932	-1001
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1293	-1262	-1264	-1196	-1317	-1347	-1324	-1268	-1260	-1212	-1195	-1338	-1312	-1359
23	**Total Resources**	**37292**	**36396**	**36475**	**34519**	**37993**	**38849**	**38199**	**36587**	**36366**	**34956**	**34463**	**38589**	**37865**	**39214**
24	**Total Surplus/Deficit**	**5107**	**4464**	**7639**	**5387**	**5607**	**3475**	**2091**	**2945**	**5273**	**5522**	**5355**	**11405**	**7274**	**6076**

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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**	31279	31279	27958	28618	31836	34930	35236	33087	30590	28869	28869	27014	30061	32194
2	Federal Agency	150	150	146	166	191	216	218	202	200	187	187	165	160	160
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2770	2770	2570	2686	2969	3348	3239	3115	2858	2833	2833	2702	2739	2879
5	Municipality	3473	3473	3274	3711	4247	4543	4547	4367	3978	3744	3744	3228	3313	3488
6	Public Utility District	5584	5584	5315	5933	6736	7383	7457	6968	6468	6132	6132	5474	5405	5710
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2156	2156	2040	1578	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	584	584	584	243	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-717	-1009	-772	-712	-661	-883	-909	-730	-768	-759	-920	-933	-998	-576
17		-717	-1009	-772	-712	-661	-883	-909	-730	-768	-759	-920	-933	-998	-576
18	**Total Firm Loads**	**32718**	**32426**	**29226**	**29483**	**32718**	**35831**	**36111**	**33900**	**31364**	**29651**	**29498**	**27481**	**30923**	**33508**
	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**	23645	22691	22116	20076	23737	24537	23866	22107	22540	21637	21582	26890	25399	25043
2	Regulated Hydro - Net	22137	21184	20537	18566	22273	23146	22530	20862	21036	19849	19777	24900	23362	23416
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17138	17138	17183	17290	17358	17366	17326	16644	17347	16876	15505	16617	17213
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6593	6635	6780	6843	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	6996	5746	6842	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1077	1077	1177	1115	1158	1293	1276	1294	1229	847	847	878	1138	1232
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	183	183	162	159	165	176	185	171	165	152	152	154	175	193
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**	-4147	-4088	-3960	-3859	-4196	-4342	-4313	-4145	-4051	-3962	-3929	-4093	-4195	-4273
18	Contingency Reserves (Non-Spinning)	-970	-956	-898	-881	-990	-1048	-1045	-988	-946	-909	-901	-917	-972	-1007
19	Contingency Reserves (Spinning)	-970	-956	-898	-881	-990	-1048	-1045	-988	-946	-909	-901	-917	-972	-1007
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1307	-1276	-1264	-1196	-1317	-1346	-1324	-1268	-1260	-1243	-1226	-1358	-1350	-1359
23	**Total Resources**	**37714**	**36817**	**36470**	**34516**	**37989**	**38846**	**38194**	**36583**	**36362**	**35870**	**35376**	**39181**	**38959**	**39214**
24	**Total Surplus/Deficit**	**4995**	**4391**	**7231**	**5033**	**5272**	**3015**	**2079**	**2659**	**4944**	**6185**	**5844**	**11700**	**8036**	**5706**

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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**	31718	31718	28308	28939	32184	35310	35631	33477	30936	29202	29202	27343	30462	32627
2	Federal Agency	151	151	147	167	194	223	241	226	213	199	199	178	173	171
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2813	2813	2612	2733	3019	3401	3288	3175	2905	2883	2883	2749	2786	2926
5	Municipality	3494	3494	3293	3731	4268	4564	4567	4386	3998	3764	3764	3247	3333	3509
6	Public Utility District	5638	5638	5360	5977	6783	7435	7508	7016	6512	6181	6181	5525	5457	5763
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2094	2094	1978	1548	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	522	522	522	213	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-757	-1042	-903	-803	-654	-995	-950	-716	-718	-835	-998	-946	-972	-481
17		-757	-1042	-903	-803	-654	-995	-950	-716	-718	-835	-998	-946	-972	-481
18	**Total Firm Loads**	**33055**	**32770**	**29382**	**29685**	**33072**	**36098**	**36466**	**34305**	**31762**	**29909**	**29754**	**27797**	**31350**	**34036**
	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**	23648	22694	22118	20079	23740	24540	23869	22111	22542	21640	21585	26824	25331	25045
2	Regulated Hydro - Net	22140	21186	20539	18568	22275	23149	22534	20866	21038	19851	19780	24834	23293	23418
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17138	17142	17187	17294	17363	17366	17327	16647	16135	16141	14378	15640	17211
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	2578	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6640	6784	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6256	6256	4616	5866	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	178	215	326	339	463	477	467
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1086	1086	1182	1121	1138	1251	1235	1254	1189	841	841	884	1148	1244
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	185	185	164	161	166	178	186	173	167	153	153	155	176	195
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**	-4160	-4101	-3970	-3869	-4205	-4352	-4324	-4155	-4060	-3917	-3914	-3998	-4106	-4286
18	Contingency Reserves (Non-Spinning)	-976	-962	-903	-886	-995	-1054	-1051	-994	-951	-907	-906	-889	-944	-1013
19	Contingency Reserves (Spinning)	-976	-962	-903	-886	-995	-1054	-1051	-994	-951	-907	-906	-889	-944	-1013
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1307	-1276	-1264	-1196	-1316	-1345	-1322	-1266	-1259	-1203	-1201	-1320	-1318	-1359
23	**Total Resources**	**37713**	**36816**	**36472**	**34517**	**37966**	**38802**	**38147**	**36536**	**36318**	**34699**	**34653**	**38088**	**38013**	**39214**
24	**Total Surplus/Deficit**	**4657**	**4046**	**7076**	**4832**	**4895**	**2704**	**1677**	**2208**	**4502**	**4756**	**4865**	**10291**	**6664**	**5179**

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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**	32147	32147	28650	29271	32548	35715	36017	33765	31274	29528	29528	27663	30857	33046
2	Federal Agency	162	162	160	179	212	246	253	232	223	206	206	182	177	177
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2859	2859	2659	2784	3072	3457	3341	3190	2956	2935	2935	2799	2836	2975
5	Municipality	3514	3514	3313	3749	4286	4584	4586	4388	4016	3781	3781	3264	3351	3527
6	Public Utility District	5692	5692	5399	6021	6831	7486	7554	7040	6552	6219	6219	5572	5505	5804
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2094	2094	1978	1548	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	522	522	522	213	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-772	-1035	-908	-873	-653	-997	-960	-718	-722	-861	-1024	-990	-1013	-469
17		-772	-1035	-908	-873	-653	-997	-960	-718	-722	-861	-1024	-990	-1013	-469
18	**Total Firm Loads**	**33468**	**33206**	**29719**	**29946**	**33437**	**36501**	**36841**	**34590**	**32095**	**30209**	**30053**	**28072**	**31704**	**34468**
	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**	23650	22696	22120	20081	23743	24543	23873	22112	22545	21638	21585	26892	25400	25048
2	Regulated Hydro - Net	22142	21189	20541	18570	22278	23152	22537	20867	21041	19850	19780	24902	23362	23421
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17136	17138	17183	17291	17363	17366	17326	16644	16829	16358	15352	16617	17213
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6637	6782	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6996	6996	6996	6478	6478	5592	6842	6996
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	395	321	239	182	172	166	177	212	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1096	1096	1187	1125	1142	1256	1240	1258	1193	845	845	888	1159	1255
12	Canada	146	146	386	387	102	124	155	188	453	147	147	147	146	146
13	East of Continental Divide	186	186	165	162	168	179	188	174	168	155	155	156	178	196
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**	-4172	-4113	-3979	-3878	-4216	-4364	-4336	-4160	-4068	-3961	-3928	-4105	-4216	-4299
18	Contingency Reserves (Non-Spinning)	-983	-969	-908	-891	-1000	-1060	-1057	-997	-954	-918	-910	-926	-983	-1020
19	Contingency Reserves (Spinning)	-983	-969	-908	-891	-1000	-1060	-1057	-997	-954	-918	-910	-926	-983	-1020
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1307	-1276	-1264	-1196	-1316	-1345	-1322	-1266	-1259	-1225	-1208	-1353	-1350	-1359
23	**Total Resources**	**37712**	**36815**	**36467**	**34510**	**37960**	**38798**	**38143**	**36536**	**36315**	**35352**	**34860**	**39027**	**38960**	**39217**
24	**Total Surplus/Deficit**	**4244**	**3609**	**6734**	**4565**	**4523**	**2296**	**1298**	**1922**	**4167**	**5109**	**4772**	**10954**	**7256**	**4750**

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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**	32569	32569	28984	29601	32910	36111	36406	34204	31620	29858	29858	27998	31263	33451
2	Federal Agency	169	169	164	183	223	258	254	237	223	207	207	182	177	177
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2907	2907	2709	2835	3126	3513	3391	3275	3004	2988	2988	2849	2886	3002
5	Municipality	3533	3533	3331	3771	4310	4609	4609	4427	4038	3802	3802	3286	3373	3550
6	Public Utility District	5742	5742	5434	6061	6875	7534	7607	7109	6600	6266	6266	5627	5562	5854
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2094	2094	1978	1548	1542	1783	1784	1543	1543	1542	1550	1400	1859	1890
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	522	522	522	213	205	205	205	205	205	205	213	64.7	522	522
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-828	-1091	-985	-863	-654	-1061	-864	-670	-797	-842	-1078	-958	-941	-547
17		-828	-1091	-985	-863	-654	-1061	-864	-670	-797	-842	-1078	-958	-941	-547
18	**Total Firm Loads**	**33835**	**33573**	**29977**	**30286**	**33798**	**36833**	**37326**	**35078**	**32366**	**30558**	**30330**	**28440**	**32182**	**34794**
	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**	23653	22699	22122	20084	23746	24547	23874	22116	22546	21643	21588	26826	25335	25049
2	Regulated Hydro - Net	22145	21192	20543	18573	22282	23156	22539	20871	21042	19855	19784	24836	23298	23422
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	17139	17138	17142	17185	17292	17362	16786	16746	16064	16767	16296	14375	14907	16633
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6637	6782	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6996	6996	6996	6996	6996	6996	6416	6416	6416	6416	6416	4616	5132	6416
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	213	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1105	1105	1193	1130	1146	1261	1244	1262	1199	1090	1090	893	1168	1266
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	188	188	167	163	169	181	189	176	169	156	156	158	179	198
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**	-4185	-4126	-3990	-3886	-4224	-4374	-4309	-4139	-4041	-3959	-3926	-4014	-4085	-4275
18	Contingency Reserves (Non-Spinning)	-989	-975	-913	-895	-1004	-1064	-1053	-996	-951	-914	-906	-897	-946	-1017
19	Contingency Reserves (Spinning)	-989	-975	-913	-895	-1004	-1064	-1053	-996	-951	-914	-906	-897	-946	-1017
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1307	-1276	-1264	-1196	-1316	-1345	-1303	-1247	-1240	-1232	-1215	-1320	-1294	-1340
23	**Total Resources**	**37712**	**36816**	**36467**	**34513**	**37960**	**38797**	**37596**	**35986**	**35768**	**35541**	**35048**	**38081**	**37325**	**38673**
24	**Total Surplus/Deficit**	**3877**	**3243**	**6477**	**4226**	**4162**	**1964**	**266**	**885**	**3348**	**4949**	**4684**	**9641**	**5143**	**3879**

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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**	33004	33004	29326	29931	33261	36491	36792	34565	31969	30187	30187	28327	31660	33885
2	Federal Agency	169	169	164	183	224	259	255	235	224	208	208	183	178	178
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2934	2934	2734	2860	3153	3543	3420	3300	3031	3015	3015	2875	2913	3030
5	Municipality	3555	3555	3353	3792	4332	4631	4630	4450	4058	3822	3822	3305	3393	3570
6	Public Utility District	5824	5824	5498	6130	6946	7610	7684	7182	6674	6339	6339	5703	5634	5927
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2038	2038	1921	1492	1485	1726	1728	1487	1487	1485	1493	1343	1803	1833
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	465	465	465	156	148	148	148	148	148	148	156	8.04	465	465
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-844	-1079	-989	-820	-677	-958	-892	-653	-804	-844	-1233	-966	-951	-586
17		-844	-1079	-989	-820	-677	-958	-892	-653	-804	-844	-1233	-966	-951	-586
18	**Total Firm Loads**	**34197**	**33962**	**30258**	**30602**	**34069**	**37260**	**37627**	**35398**	**32652**	**30828**	**30447**	**28704**	**32512**	**35132**
	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**	23654	22700	22123	20085	23747	24549	23877	22118	22549	21626	21571	26924	25408	25051
2	Regulated Hydro - Net	22146	21193	20544	18574	22283	23157	22541	20873	21044	19837	19766	24934	23370	23424
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16559	16558	16562	16605	16712	16782	16786	16746	16064	14885	14886	16175	16190	16633
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	2578	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6637	6782	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6416	6416	6416	6416	6416	6416	6416	6416	6416	5006	5006	6416	6416	6416
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	213	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1115	1115	1198	1136	1151	1267	1250	1268	1204	1094	1094	899	1179	1278
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	189	189	168	165	170	182	191	177	171	157	157	159	181	200
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

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-4161	-4102	-3962	-3860	-4199	-4349	-4320	-4149	-4051	-3872	-3869	-4172	-4208	-4288
18	Contingency Reserves (Non-Spinning)	-987	-973	-909	-891	-1001	-1062	-1059	-1001	-956	-901	-901	-946	-986	-1024
19	Contingency Reserves (Spinning)	-987	-973	-909	-891	-1001	-1062	-1059	-1001	-956	-901	-901	-946	-986	-1024
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1288	-1257	-1245	-1177	-1297	-1326	-1303	-1247	-1240	-1169	-1167	-1380	-1337	-1340
23	**Total Resources**	**37166**	**36270**	**35921**	**33966**	**37411**	**38249**	**37593**	**35983**	**35766**	**33733**	**33683**	**39826**	**38569**	**38674**
24	**Total Surplus/Deficit**	**2970**	**2308**	**5649**	**3363**	**3342**	**989**	**-38.6**	**561**	**3060**	**2872**	**3202**	**11122**	**6057**	**3542**

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Firm Loads														
1	**Regional Firm Loads**	33418	33418	29650	30241	33594	36854	37163	34922	32297	30497	30497	28637	32039	34302
2	Federal Agency	170	170	165	184	224	260	256	239	225	209	209	184	179	179
3	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
4	Cooperative	2961	2961	2760	2886	3180	3574	3448	3338	3057	3042	3042	2901	2939	3057
5	Municipality	3576	3576	3373	3812	4353	4653	4651	4469	4078	3841	3841	3325	3413	3591
6	Public Utility District	5883	5883	5545	6181	7001	7670	7744	7239	6727	6391	6391	5755	5687	5981
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	555	555	555	555	555	555	555	555	555	555	555	555	555	555
10	**Exports**	2038	2038	1921	1492	1485	1726	1728	1487	1487	1485	1493	1343	1803	1833
11	Canada	1558	1558	1444	1324	1324	1564	1564	1324	1324	1324	1324	1324	1324	1353
12	East Continental Divide	14.0	14.0	11.6	11.3	12.9	13.9	15.1	14.3	14.0	12.4	12.4	11.0	13.3	15.0
13	Inland Southwest	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Pacific Southwest	465	465	465	156	148	148	148	148	148	148	156	8.04	465	465
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	-803	-1199	-1009	-831	-689	-970	-860	-641	-808	-783	-1159	-1003	-961	-592
17		-803	-1199	-1009	-831	-689	-970	-860	-641	-808	-783	-1159	-1003	-961	-592
18	**Total Firm Loads**	**34653**	**34256**	**30562**	**30902**	**34390**	**37610**	**38030**	**35768**	**32976**	**31199**	**30831**	**28977**	**32881**	**35543**
	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**	23657	22702	22125	20087	23750	24551	23879	22121	22551	21628	21573	26858	25342	25053
2	Regulated Hydro - Net	22148	21195	20546	18576	22285	23160	22544	20876	21046	19839	19768	24868	23304	23426
3	Independent Hydro - Net	1508	1507	1579	1511	1464	1391	1335	1245	1504	1789	1805	1990	2038	1627
4	**Other Resources**	16559	16558	16562	16607	16714	16782	16786	16746	16064	15579	15108	14892	14907	16633
5	Cogeneration Resources	2947	2947	2973	3060	3080	3095	3098	3092	2422	3050	2570	2700	2944	2948
6	Combustion Turbine Resources	6546	6546	6597	6640	6784	6847	6853	6809	6763	6725	6725	6348	6104	6551
7	Large Thermal Resources	6416	6416	6416	6416	6416	6416	6416	6416	6416	5228	5228	5132	5132	6416
8	Renewable Resources	161	161	161	161	161	161	161	161	160	160	160	160	160	160
9	Small Hydro	398	397	325	241	183	172	166	177	213	326	335	460	477	469
10	Small Thermal & Miscellaneous	90.8	91.1	90.2	90.3	90.6	91.7	92.1	91.8	90.4	90.5	90.2	92.4	90.2	89.5
11	**Imports**	1125	1125	1204	1141	1155	1272	1254	1272	1208	1100	1100	904	1189	1289
12	Canada	146	146	386	387	102	124	155	188	453	387	387	147	146	146
13	East of Continental Divide	191	191	169	166	172	184	193	179	172	159	159	160	182	201
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

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	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**	-4173	-4115	-3973	-3868	-4209	-4360	-4331	-4160	-4061	-3918	-3885	-4069	-4108	-4300
18	Contingency Reserves (Non-Spinning)	-993	-979	-914	-895	-1006	-1067	-1064	-1006	-961	-913	-905	-916	-957	-1030
19	Contingency Reserves (Spinning)	-993	-979	-914	-895	-1006	-1067	-1064	-1006	-961	-913	-905	-916	-957	-1030
20	Generation Imbalance Reserves	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405	-405
21	Load Following Reserves	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495	-495
22	Transmission Losses	-1288	-1257	-1245	-1177	-1297	-1326	-1303	-1247	-1240	-1192	-1175	-1337	-1294	-1341
23	**Total Resources**	**37167**	**36271**	**35917**	**33967**	**37410**	**38246**	**37589**	**35980**	**35763**	**34388**	**33896**	**38585**	**37330**	**38675**
24	**Total Surplus/Deficit**	**2514**	**2014**	**5341**	**3066**	**3020**	**636**	**-446**	**188**	**2732**	**3156**	**3031**	**9607**	**4449**	**3132**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	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**	**4196**	**4196**	**3954**	**4301**	**4881**	**5570**	**5541**	**5290**	**4781**	**4532**	**4532**	**4129**	**4049**	**4279**
4	Cooperative	2470	2470	2279	2383	2677	3070	3048	2931	2602	2504	2504	2373	2389	2566
5	Municipality	821	821	744	779	894	1005	989	943	862	796	796	737	737	803
6	Public Utility District	774	774	803	992	1137	1295	1302	1224	1135	1067	1067	871	782	769
7	Federal Entities	132	132	127	147	173	200	202	191	181	166	166	147	142	142
8	**Slice Block**	**1634**	**1634**	**1715**	**1624**	**1992**	**2216**	**2243**	**2076**	**1937**	**1636**	**1636**	**1424**	**1325**	**1561**
9	Municipality	488	488	613	538	750	817	847	803	769	532	532	352	279	454
10	Public Utility District	1147	1147	1102	1086	1242	1399	1396	1274	1168	1104	1104	1072	1047	1107
11	**Slice Right to Power**	**2722**	**2399**	**2220**	**2468**	**2910**	**2986**	**2620**	**2384**	**2779**	**2484**	**2402**	**3555**	**3111**	**2995**
12	Municipality	907	800	740	829	977	1003	880	800	933	834	807	1193	1045	1006
13	Public Utility District	1814	1599	1480	1640	1933	1983	1741	1583	1846	1650	1596	2361	2067	1990
14	**Tier 1 Block**	**0**	**0**	**0**	**9.84**	**44.5**	**39.1**	**55.0**	**53.9**	**46.1**	**2.99**	**2.99**	**0**	**0**	**11.0**
15	Public Utility District	0	0	0	9.84	44.5	39.1	55.0	53.9	46.1	2.99	2.99	0	0	11.0
16	**USBR Obligation**	**639**	**639**	**559**	**451**	**302**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
17	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
18	Cooperative	2470	2470	2279	2383	2677	3070	3048	2931	2602	2504	2504	2373	2389	2566
19	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
20	Federal Entities	132	132	127	147	173	200	202	191	181	166	166	147	142	142
21	Municipality	2216	2108	2098	2146	2621	2824	2716	2546	2564	2162	2134	2283	2060	2262
22	Public Utility District	3735	3520	3385	3727	4357	4716	4494	4135	4196	3824	3769	4304	3895	3876
23	USBR	639	639	559	451	302	389	313	313	432	496	496	584	634	651
24	**Total Power Sales Contracts**	**9507**	**9184**	**8764**	**9170**	**10445**	**11515**	**11088**	**10433**	**10291**	**9467**	**9386**	**10008**	**9436**	**9813**

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

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
25	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
26	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
27	**Load Following**	**4211**	**4211**	**3957**	**4266**	**4853**	**5551**	**5541**	**5305**	**4755**	**4508**	**4508**	**4101**	**4020**	**4260**
28	Cooperative	2477	2477	2285	2329	2629	3030	3025	2921	2555	2459	2459	2324	2340	2524
29	Municipality	818	818	736	791	907	1018	1001	954	873	806	806	749	749	815
30	Public Utility District	782	782	806	998	1142	1300	1310	1233	1143	1075	1075	879	788	777
31	Federal Entities	134	134	129	149	175	203	204	197	184	168	168	149	144	144
32	**Slice Block**	**1561**	**1561**	**1628**	**1697**	**2091**	**2326**	**2355**	**2177**	**2025**	**1706**	**1706**	**1506**	**1411**	**1640**
33	Municipality	475	475	590	561	782	853	884	837	806	557	557	369	294	475
34	Public Utility District	1087	1087	1038	1136	1309	1473	1471	1339	1220	1150	1150	1137	1118	1165
35	**Slice Right to Power**	**2822**	**2591**	**2685**	**2200**	**2891**	**2989**	**2778**	**2506**	**2708**	**2453**	**2446**	**3319**	**2739**	**3015**
36	Municipality	948	870	901	739	971	1004	933	841	909	824	821	1114	920	1012
37	Public Utility District	1875	1721	1783	1461	1920	1986	1845	1664	1799	1629	1625	2204	1819	2003
38	**Tier 1 Block**	**11.3**	**11.3**	**23.3**	**10.6**	**47.9**	**42.1**	**59.2**	**58.0**	**49.6**	**3.22**	**3.22**	**0**	**0**	**11.8**
39	Public Utility District	11.3	11.3	23.3	10.6	47.9	42.1	59.2	58.0	49.6	3.22	3.22	0	0	11.8
40	**USBR Obligation**	**639**	**639**	**559**	**451**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
41	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
42	Cooperative	2477	2477	2285	2329	2629	3030	3025	2921	2555	2459	2459	2324	2340	2524
43	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
44	Federal Entities	134	134	129	149	175	203	204	197	184	168	168	149	144	144
45	Municipality	2241	2163	2227	2091	2660	2875	2818	2632	2588	2187	2184	2232	1962	2302
46	Public Utility District	3755	3601	3651	3605	4420	4801	4685	4295	4211	3857	3852	4220	3725	3957
47	USBR	639	639	559	451	301	389	313	313	432	496	496	584	634	651
48	**Total Power Sales Contracts**	**9562**	**9330**	**9168**	**8940**	**10501**	**11613**	**11362**	**10674**	**10285**	**9482**	**9475**	**9826**	**9121**	**9893**

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

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
49	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
50	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
51	**Load Following**	**4180**	**4180**	**3923**	**4453**	**5092**	**5774**	**5721**	**5399**	**4909**	**4712**	**4712**	**4252**	**4228**	**4437**
52	Cooperative	2424	2424	2231	2457	2780	3185	3151	2987	2661	2607	2607	2450	2474	2642
53	Municipality	831	831	748	806	934	1052	1024	964	893	833	833	758	791	838
54	Public Utility District	789	789	813	1039	1194	1324	1331	1251	1166	1098	1098	893	817	811
55	Federal Entities	136	136	131	151	184	213	216	198	190	173	173	152	146	147
56	**Slice Block**	**1634**	**1634**	**1707**	**1649**	**2031**	**2260**	**2288**	**2041**	**1966**	**1658**	**1658**	**1467**	**1375**	**1595**
57	Municipality	496	496	622	540	750	819	849	776	773	535	535	355	283	457
58	Public Utility District	1138	1138	1085	1110	1280	1441	1439	1265	1192	1123	1123	1112	1092	1138
59	**Slice Right to Power**	**2810**	**2498**	**2520**	**2201**	**2893**	**2991**	**2780**	**2509**	**2711**	**2517**	**2510**	**3622**	**3048**	**3022**
60	Municipality	943	839	846	739	971	1004	933	842	910	845	843	1216	1024	1015
61	Public Utility District	1867	1659	1674	1462	1922	1987	1847	1667	1801	1672	1667	2406	2025	2008
62	**Tier 1 Block**	**12.2**	**12.2**	**25.1**	**11.0**	**49.6**	**43.6**	**61.3**	**58.0**	**51.4**	**3.33**	**3.33**	**0**	**0**	**12.3**
63	Public Utility District	12.2	12.2	25.1	11.0	49.6	43.6	61.3	58.0	51.4	3.33	3.33	0	0	12.3
64	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
65	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
66	Cooperative	2424	2424	2231	2457	2780	3185	3151	2987	2661	2607	2607	2450	2474	2642
67	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
68	Federal Entities	136	136	131	151	184	213	216	198	190	173	173	152	146	147
69	Municipality	2270	2166	2216	2084	2655	2875	2807	2582	2576	2213	2211	2329	2097	2309
70	Public Utility District	3806	3599	3598	3622	4445	4796	4678	4240	4210	3896	3892	4411	3934	3969
71	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
72	**Total Power Sales Contracts**	**9591**	**9279**	**9051**	**9078**	**10683**	**11774**	**11480**	**10636**	**10385**	**9702**	**9695**	**10242**	**9601**	**10033**

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

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
73	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
74	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
75	**Load Following**	**4330**	**4330**	**4131**	**4509**	**5146**	**5836**	**5780**	**5534**	**4947**	**4752**	**4752**	**4291**	**4270**	**4484**
76	Cooperative	2525	2525	2356	2478	2803	3214	3182	3079	2679	2628	2628	2470	2497	2670
77	Municipality	848	848	789	823	952	1070	1042	993	903	843	843	768	801	849
78	Public Utility District	819	819	852	1054	1202	1334	1339	1259	1174	1106	1106	901	824	817
79	Federal Entities	138	138	134	154	189	218	217	203	191	174	174	152	147	147
80	**Slice Block**	**1589**	**1589**	**1657**	**1690**	**2081**	**2316**	**2345**	**2166**	**2013**	**1699**	**1699**	**1505**	**1410**	**1635**
81	Municipality	477	477	597	552	768	838	869	823	791	548	548	364	290	468
82	Public Utility District	1111	1111	1060	1137	1313	1478	1476	1343	1222	1151	1151	1141	1120	1167
83	**Slice Right to Power**	**2810**	**2499**	**2520**	**2200**	**2872**	**2971**	**2758**	**2489**	**2690**	**2502**	**2495**	**3328**	**2754**	**3020**
84	Municipality	943	839	846	739	964	997	926	836	903	840	838	1117	925	1014
85	Public Utility District	1866	1660	1674	1462	1908	1973	1832	1653	1787	1662	1657	2211	1830	2006
86	**Tier 1 Block**	**12.6**	**12.6**	**26.0**	**11.3**	**51.0**	**44.8**	**63.0**	**61.7**	**52.8**	**3.42**	**3.42**	**0**	**0**	**12.6**
87	Public Utility District	12.6	12.6	26.0	11.3	51.0	44.8	63.0	61.7	52.8	3.42	3.42	0	0	12.6
88	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
89	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
90	Cooperative	2525	2525	2356	2478	2803	3214	3182	3079	2679	2628	2628	2470	2497	2670
91	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
92	Federal Entities	138	138	134	154	189	218	217	203	191	174	174	152	147	147
93	Municipality	2268	2164	2232	2115	2684	2905	2837	2652	2597	2231	2228	2249	2017	2331
94	Public Utility District	3809	3603	3612	3664	4474	4830	4710	4317	4236	3923	3918	4252	3774	4003
95	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
96	**Total Power Sales Contracts**	**9695**	**9385**	**9210**	**9175**	**10767**	**11873**	**11575**	**10879**	**10451**	**9768**	**9761**	**10024**	**9384**	**10118**

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

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
97	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
98	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
99	**Load Following**	**4372**	**4372**	**4169**	**4552**	**5188**	**5881**	**5835**	**5587**	**4990**	**4797**	**4797**	**4330**	**4310**	**4529**
100	Cooperative	2548	2548	2375	2503	2832	3249	3227	3123	2705	2656	2656	2493	2520	2699
101	Municipality	859	859	800	833	963	1081	1051	1004	911	851	851	776	810	858
102	Public Utility District	827	827	860	1062	1211	1342	1348	1267	1182	1114	1114	909	832	824
103	Federal Entities	139	139	135	154	182	208	210	194	192	175	175	153	148	148
104	**Slice Block**	**1628**	**1628**	**1698**	**1674**	**2062**	**2295**	**2323**	**2146**	**1995**	**1683**	**1683**	**1490**	**1397**	**1619**
105	Municipality	489	489	611	547	761	830	860	815	784	542	542	360	287	463
106	Public Utility District	1140	1140	1086	1127	1301	1465	1463	1331	1211	1141	1141	1130	1110	1157
107	**Slice Right to Power**	**2803**	**2492**	**2515**	**2205**	**2876**	**2974**	**2764**	**2493**	**2694**	**2444**	**2438**	**3622**	**3050**	**3023**
108	Municipality	941	837	844	740	966	999	928	837	905	821	818	1216	1024	1015
109	Public Utility District	1862	1655	1670	1465	1910	1976	1836	1656	1790	1624	1619	2406	2026	2008
110	**Tier 1 Block**	**12.9**	**12.9**	**26.7**	**11.6**	**52.3**	**45.9**	**64.6**	**63.3**	**54.2**	**3.51**	**3.51**	**0**	**0**	**12.9**
111	Public Utility District	12.9	12.9	26.7	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
112	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
113	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
114	Cooperative	2548	2548	2375	2503	2832	3249	3227	3123	2705	2656	2656	2493	2520	2699
115	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
116	Federal Entities	139	139	135	154	182	208	210	194	192	175	175	153	148	148
117	Municipality	2289	2184	2255	2120	2689	2910	2839	2656	2600	2214	2212	2352	2121	2336
118	Public Utility District	3841	3634	3643	3666	4474	4829	4711	4317	4237	3882	3878	4445	3967	4002
119	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
120	**Total Power Sales Contracts**	**9771**	**9460**	**9283**	**9207**	**10795**	**11901**	**11616**	**10918**	**10481**	**9740**	**9733**	**10343**	**9707**	**10151**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
121	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
122	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
123	**Load Following**	**4411**	**4411**	**4207**	**4587**	**5234**	**5941**	**5919**	**5683**	**5041**	**4847**	**4847**	**4375**	**4356**	**4580**
124	Cooperative	2570	2570	2396	2521	2858	3284	3270	3179	2728	2680	2680	2511	2538	2723
125	Municipality	868	868	808	841	971	1091	1059	1010	919	858	858	783	818	866
126	Public Utility District	834	834	867	1070	1219	1351	1356	1276	1190	1122	1122	916	839	831
127	Federal Entities	140	140	136	155	186	215	233	218	205	187	187	166	161	159
128	**Slice Block**	**1613**	**1613**	**1682**	**1692**	**2084**	**2320**	**2349**	**2170**	**2017**	**1702**	**1702**	**1508**	**1413**	**1637**
129	Municipality	484	484	605	553	768	839	869	824	792	548	548	364	290	468
130	Public Utility District	1129	1129	1077	1140	1316	1481	1480	1346	1225	1153	1153	1143	1122	1170
131	**Slice Right to Power**	**2810**	**2500**	**2523**	**2204**	**2947**	**3044**	**2833**	**2562**	**2728**	**2479**	**2472**	**3328**	**2756**	**3021**
132	Municipality	944	839	847	740	989	1022	951	860	916	832	830	1117	925	1014
133	Public Utility District	1867	1661	1676	1464	1957	2022	1882	1702	1812	1646	1642	2211	1831	2007
134	**Tier 1 Block**	**13.3**	**13.3**	**27.4**	**11.6**	**52.3**	**45.9**	**64.6**	**63.3**	**54.2**	**3.51**	**3.51**	**0**	**0**	**12.9**
135	Public Utility District	13.3	13.3	27.4	11.6	52.3	45.9	64.6	63.3	54.2	3.51	3.51	0	0	12.9
136	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
137	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
138	Cooperative	2570	2570	2396	2521	2858	3284	3270	3179	2728	2680	2680	2511	2538	2723
139	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
140	Federal Entities	140	140	136	155	186	215	233	218	205	187	187	166	161	159
141	Municipality	2295	2191	2260	2133	2729	2951	2880	2694	2627	2238	2236	2264	2034	2348
142	Public Utility District	3843	3637	3647	3685	4544	4900	4782	4387	4281	3926	3921	4270	3792	4020
143	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
144	**Total Power Sales Contracts**	**9803**	**9493**	**9314**	**9259**	**10935**	**12056**	**11794**	**11107**	**10588**	**9843**	**9836**	**10112**	**9474**	**10218**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
145	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
146	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
147	**Load Following**	**4454**	**4454**	**4251**	**4639**	**5303**	**6023**	**5997**	**5663**	**5093**	**4898**	**4898**	**4417**	**4398**	**4630**
148	Cooperative	2586	2586	2412	2546	2892	3327	3321	3154	2755	2709	2709	2534	2560	2753
149	Municipality	876	876	816	847	978	1098	1066	1000	925	864	864	789	825	873
150	Public Utility District	842	842	875	1079	1228	1360	1365	1285	1199	1131	1131	924	847	839
151	Federal Entities	150	150	148	167	204	238	245	224	215	194	194	170	165	165
152	**Slice Block**	**1631**	**1631**	**1700**	**1676**	**2065**	**2298**	**2326**	**2075**	**1998**	**1685**	**1685**	**1492**	**1398**	**1621**
153	Municipality	489	489	612	547	762	831	861	788	785	542	542	360	287	463
154	Public Utility District	1142	1142	1089	1129	1303	1467	1465	1287	1213	1143	1143	1132	1111	1158
155	**Slice Right to Power**	**2809**	**2498**	**2522**	**2206**	**2949**	**3046**	**2835**	**2564**	**2730**	**2479**	**2473**	**3620**	**3049**	**3022**
156	Municipality	943	839	847	741	990	1023	952	861	917	832	830	1215	1024	1015
157	Public Utility District	1866	1660	1675	1465	1959	2023	1883	1703	1814	1647	1643	2404	2025	2007
158	**Tier 1 Block**	**13.3**	**13.3**	**27.4**	**11.7**	**53.0**	**46.6**	**65.5**	**61.9**	**54.9**	**3.56**	**3.56**	**0**	**0**	**13.1**
159	Public Utility District	13.3	13.3	27.4	11.7	53.0	46.6	65.5	61.9	54.9	3.56	3.56	0	0	13.1
160	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
161	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
162	Cooperative	2586	2586	2412	2546	2892	3327	3321	3154	2755	2709	2709	2534	2560	2753
163	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
164	Federal Entities	150	150	148	167	204	238	245	224	215	194	194	170	165	165
165	Municipality	2308	2204	2274	2135	2730	2952	2879	2649	2626	2239	2237	2364	2135	2350
166	Public Utility District	3862	3656	3666	3685	4543	4897	4779	4337	4281	3924	3920	4460	3984	4017
167	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
168	**Total Power Sales Contracts**	**9862**	**9552**	**9376**	**9297**	**10987**	**12119**	**11853**	**10992**	**10624**	**9878**	**9871**	**10428**	**9795**	**10252**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
169	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
170	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
171	**Load Following**	**4498**	**4498**	**4290**	**4682**	**5364**	**6097**	**6058**	**5818**	**5130**	**4936**	**4936**	**4449**	**4430**	**4669**
172	Cooperative	2607	2607	2433	2568	2924	3369	3363	3270	2775	2730	2730	2550	2576	2776
173	Municipality	884	884	822	856	989	1110	1076	1026	934	872	872	797	834	882
174	Public Utility District	850	850	883	1087	1236	1369	1374	1293	1207	1139	1139	932	855	846
175	Federal Entities	157	157	152	171	215	250	245	229	215	195	195	170	165	165
176	**Slice Block**	**1615**	**1615**	**1684**	**1671**	**2059**	**2292**	**2321**	**2143**	**1992**	**1680**	**1680**	**1489**	**1395**	**1617**
177	Municipality	484	484	606	545	758	827	857	812	781	540	540	358	286	461
178	Public Utility District	1131	1131	1078	1127	1301	1465	1463	1331	1211	1140	1140	1131	1109	1156
179	**Slice Right to Power**	**2809**	**2499**	**2523**	**2204**	**2947**	**3044**	**2833**	**2563**	**2729**	**2541**	**2534**	**3327**	**2757**	**3021**
180	Municipality	943	839	847	740	989	1022	951	860	916	853	851	1117	926	1014
181	Public Utility District	1866	1660	1676	1464	1957	2022	1882	1702	1813	1688	1683	2210	1832	2006
182	**Tier 1 Block**	**13.5**	**13.5**	**27.8**	**11.7**	**52.9**	**46.4**	**65.3**	**64.0**	**54.8**	**3.55**	**3.55**	**0**	**0**	**13.1**
183	Public Utility District	13.5	13.5	27.8	11.7	52.9	46.4	65.3	64.0	54.8	3.55	3.55	0	0	13.1
184	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
185	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
186	Cooperative	2607	2607	2433	2568	2924	3369	3363	3270	2775	2730	2730	2550	2576	2776
187	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
188	Federal Entities	157	157	152	171	215	250	245	229	215	195	195	170	165	165
189	Municipality	2311	2207	2275	2141	2736	2959	2884	2698	2631	2265	2263	2272	2045	2357
190	Public Utility District	3860	3654	3665	3689	4548	4902	4784	4390	4285	3971	3966	4273	3795	4022
191	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
192	**Total Power Sales Contracts**	**9890**	**9580**	**9401**	**9333**	**11040**	**12185**	**11906**	**11216**	**10654**	**9973**	**9966**	**10166**	**9532**	**10287**

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	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
193	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
194	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
195	**Load Following**	**4530**	**4530**	**4321**	**4731**	**5424**	**6167**	**6095**	**5849**	**5163**	**4968**	**4968**	**4480**	**4462**	**4702**
196	Cooperative	2622	2622	2447	2601	2966	3420	3382	3286	2791	2747	2747	2565	2592	2793
197	Municipality	893	893	831	864	998	1119	1084	1036	941	879	879	804	842	890
198	Public Utility District	857	857	891	1095	1244	1377	1382	1300	1215	1147	1147	939	862	853
199	Federal Entities	157	157	152	171	215	251	246	227	216	196	196	171	166	166
200	**Slice Block**	**1611**	**1611**	**1679**	**1679**	**2068**	**2303**	**2332**	**2152**	**2000**	**1687**	**1687**	**1497**	**1401**	**1624**
201	Municipality	482	482	603	546	759	829	859	814	783	541	541	359	287	462
202	Public Utility District	1129	1129	1076	1133	1309	1474	1473	1339	1217	1146	1146	1138	1115	1162
203	**Slice Right to Power**	**2808**	**2498**	**2522**	**2201**	**2943**	**3039**	**2828**	**2558**	**2725**	**2539**	**2532**	**3619**	**3047**	**3018**
204	Municipality	943	839	847	739	988	1020	949	859	915	852	850	1215	1023	1013
205	Public Utility District	1865	1659	1675	1462	1955	2019	1878	1699	1810	1687	1682	2404	2024	2004
206	**Tier 1 Block**	**13.4**	**13.4**	**27.7**	**11.7**	**52.8**	**46.4**	**65.3**	**63.9**	**54.7**	**3.55**	**3.55**	**0**	**0**	**13.1**
207	Public Utility District	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
208	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
209	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
210	Cooperative	2622	2622	2447	2601	2966	3420	3382	3286	2791	2747	2747	2565	2592	2793
211	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
212	Federal Entities	157	157	152	171	215	251	246	227	216	196	196	171	166	166
213	Municipality	2317	2213	2281	2149	2745	2969	2893	2708	2639	2273	2271	2379	2151	2366
214	Public Utility District	3865	3659	3669	3701	4561	4916	4798	4402	4297	3983	3978	4481	4001	4033
215	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
216	**Total Power Sales Contracts**	**9917**	**9606**	**9425**	**9387**	**11105**	**12261**	**11949**	**11251**	**10691**	**10010**	**10004**	**10497**	**9861**	**10324**

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

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Pacific Northwest														
217	**DSI Obligation**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**	**316**
218	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
219	**Load Following**	**4563**	**4563**	**4353**	**4768**	**5464**	**6212**	**6138**	**5904**	**5202**	**5007**	**5007**	**4517**	**4500**	**4742**
220	Cooperative	2639	2639	2462	2622	2988	3446	3408	3321	2814	2770	2770	2586	2614	2817
221	Municipality	901	901	839	872	1007	1129	1093	1042	949	886	886	812	850	898
222	Public Utility District	865	865	898	1102	1252	1385	1390	1309	1223	1155	1155	947	869	860
223	Federal Entities	158	158	153	172	216	252	247	231	217	197	197	172	167	167
224	**Slice Block**	**1618**	**1618**	**1686**	**1680**	**2070**	**2305**	**2334**	**2155**	**2002**	**1689**	**1689**	**1499**	**1403**	**1626**
225	Municipality	483	483	605	547	760	829	860	815	783	542	542	360	287	463
226	Public Utility District	1135	1135	1081	1134	1310	1476	1474	1340	1219	1147	1147	1139	1116	1163
227	**Slice Right to Power**	**2805**	**2495**	**2518**	**2200**	**2942**	**3038**	**2827**	**2556**	**2724**	**2538**	**2531**	**3326**	**2754**	**3016**
228	Municipality	942	838	846	739	988	1020	949	858	915	852	850	1117	925	1013
229	Public Utility District	1863	1657	1673	1461	1954	2018	1878	1698	1810	1686	1681	2209	1830	2004
230	**Tier 1 Block**	**13.4**	**13.4**	**27.7**	**11.7**	**52.8**	**46.4**	**65.3**	**63.9**	**54.7**	**3.55**	**3.55**	**0**	**0**	**13.1**
231	Public Utility District	13.4	13.4	27.7	11.7	52.8	46.4	65.3	63.9	54.7	3.55	3.55	0	0	13.1
232	**USBR Obligation**	**639**	**639**	**559**	**448**	**301**	**389**	**313**	**313**	**432**	**496**	**496**	**584**	**634**	**651**
233	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
	Total Power Sales Contracts														
234	Cooperative	2639	2639	2462	2622	2988	3446	3408	3321	2814	2770	2770	2586	2614	2817
235	Direct Service Industry	316	316	316	316	316	316	316	316	316	316	316	316	316	316
236	Federal Entities	158	158	153	172	216	252	247	231	217	197	197	172	167	167
237	Municipality	2326	2222	2289	2157	2754	2979	2902	2715	2647	2280	2278	2288	2062	2374
238	Public Utility District	3877	3671	3680	3709	4570	4926	4807	4411	4306	3991	3986	4296	3815	4040
239	USBR	639	639	559	448	301	389	313	313	432	496	496	584	634	651
240	**Total Power Sales Contracts**	**9954**	**9644**	**9460**	**9424**	**11146**	**12307**	**11994**	**11308**	**10731**	**10050**	**10043**	**10243**	**9608**	**10364**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-4368	-5699	-6627	-4772	-3833	-3474	-5372	-6845	-5116	-5629	-5926	-1770	-4037	-3696
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	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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	12.8	12.8	52.4	51.6	51.4	51.3	51.1	51.6	53.0	53.8
10	Chief Joseph	2416	2391	2219	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
11	Cushman 1	21.4	16.8	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	5058	5103	4508	4230	4986	4749	4994	5037	4713	4094	3926	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	146	131	130	143	128	114	114	113	124	124	131	149
34	Monroe Street	5.78	5.98	11.0	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	378	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	331	331	396	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
48	Ross	0	362	389	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	259	155	227	188	162	140	152	158	0.23	233	265	268
51	Swift 2	62.1	62.1	64.7	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	0	101	95.5	93.8	89.2	80.3	61.3	12.2	0	102	103	102
55	Upper Falls	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.80	9.78	9.40	8.81	8.74	9.26	9.80
56	Wanapum	743	743	743	743	778	743	743	743	743	743	743	743	743	743
57	Wells	775	775	721	775	775	775	775	768	706	710	740	775	775	752
58	Yale	130	131	128	85.7	130	112	102	94.0	94.0	106	106	0	133	133

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12460	11190	9839	10790	12914	13834	12332	11144	12266	11170	10833	15220	13534	13391
60	Investor Owned Utilities	4282	4211	4047	4015	4254	4270	4399	4254	4254	4106	3995	4457	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1725	2104	2164	2099	2018	1989	2095	1816	1739	1778	1776	1823	2320	2167
63	Public Utility District	2300	2300	2197	2156	2197	2201	2227	2218	2170	2175	2226	2307	2308	2297
64	**Total Regulated Hydro**	**21661**	**20673**	**19057**	**19853**	**22201**	**23136**	**21920**	**20300**	**21289**	**20067**	**19692**	**24662**	**23625**	**23281**

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3051	-4154	-4073	-5693	-3731	-3460	-4777	-6343	-5411	-5733	-5717	-1560	-4369	-3566
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	331	396	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
48	Ross	0	362	389	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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12982	12063	11890	9868	13003	13893	13002	11674	12025	11089	11049	15430	13202	13521
60	Investor Owned Utilities	4282	4211	4047	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1725	2104	2164	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2197	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**22183**	**21546**	**21109**	**18556**	**22262**	**23135**	**22520**	**20853**	**21028**	**19839**	**19768**	**24825**	**23285**	**23406**

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3117	-4535	-4731	-5689	-3725	-3455	-4772	-6341	-5407	-5749	-5732	-1469	-4297	-3562
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12915	11681	11232	9873	13009	13898	13007	11676	12028	11074	11034	15521	13274	13525
60	Investor Owned Utilities	4282	4211	4125	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2194	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**22132**	**21178**	**20530**	**18560**	**22268**	**23141**	**22525**	**20855**	**21032**	**19824**	**19753**	**24916**	**23357**	**23410**

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3114	-4532	-4727	-5686	-3723	-3452	-4770	-6336	-5405	-5747	-5730	-1537	-4364	-3559
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12919	11685	11236	9876	13012	13901	13009	11681	12030	11076	11036	15453	13208	13528
60	Investor Owned Utilities	4282	4211	4125	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2194	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**22135**	**21182**	**20535**	**18563**	**22270**	**23143**	**22527**	**20860**	**21034**	**19825**	**19755**	**24848**	**23290**	**23413**

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3111	-4529	-4725	-5683	-3721	-3450	-4767	-6333	-5403	-5724	-5708	-1485	-4292	-3557
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12921	11687	11239	9878	13014	13903	13012	11683	12032	11099	11059	15504	13279	13530
60	Investor Owned Utilities	4282	4211	4125	3724	4218	4257	4399	4252	4241	4076	3987	4455	4584	4538
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2194	2103	2234	2200	2226	2218	2166	2133	2187	2268	2308	2297
64	**Total Regulated Hydro**	**22137**	**21184**	**20537**	**18566**	**22273**	**23146**	**22530**	**20862**	**21036**	**19849**	**19777**	**24900**	**23362**	**23416**

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3109	-4527	-4723	-5681	-3718	-3447	-4763	-6329	-5401	-5721	-5704	-1551	-4361	-3554
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro															
59	Federal Entities	12923	11689	11241	9881	13016	13906	13016	11687	12035	11102	11062	15439	13211	13533
60	Investor Owned Utilities	4282	4211	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2300	2300	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**22140**	**21186**	**20539**	**18568**	**22275**	**23149**	**22534**	**20866**	**21038**	**19851**	**19780**	**24834**	**23293**	**23418**

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3106	-4524	-4720	-5679	-3715	-3444	-4760	-6328	-5398	-5722	-5705	-1483	-4292	-3551
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12926	11692	11243	9883	13020	13909	13019	11688	12038	11100	11061	15506	13280	13536
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**22142**	**21189**	**20541**	**18570**	**22278**	**23152**	**22537**	**20867**	**21041**	**19850**	**19780**	**24902**	**23362**	**23421**

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3104	-4522	-4718	-5676	-3712	-3440	-4758	-6324	-5397	-5718	-5701	-1549	-4356	-3550
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12929	11695	11245	9886	13023	13913	13021	11692	12039	11105	11065	15441	13215	13536
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**22145**	**21192**	**20543**	**18573**	**22282**	**23156**	**22539**	**20871**	**21042**	**19855**	**19784**	**24836**	**23298**	**23422**

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3102	-4520	-4717	-5675	-3710	-3438	-4756	-6322	-5394	-5735	-5719	-1451	-4284	-3548
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Total Regulated Hydro														
59	Federal Entities	12930	11696	11246	9887	13024	13915	13023	11694	12041	11088	11048	15538	13288	13539
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**22146**	**21193**	**20544**	**18574**	**22283**	**23157**	**22541**	**20873**	**21044**	**19837**	**19766**	**24934**	**23370**	**23424**

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
	Regulated Hydro														
1	Idle Capacity Adjustment	-3100	-4518	-4716	-5673	-3708	-3436	-4753	-6319	-5392	-5733	-5717	-1517	-4350	-3546
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	686	686	855	855	855	686	727	731	731	855	727	1013	923	686
6	Box Canyon Dam	54.7	54.8	54.4	52.6	53.8	53.4	54.3	54.7	54.6	67.7	71.7	67.2	61.5	60.4
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	53.6	53.4	53.4	53.0	52.2	12.7	51.6	50.9	50.2	12.3	12.3	12.5	52.8	53.8
10	Chief Joseph	2424	2430	2200	1940	2080	2382	2374	2405	2336	2371	2395	2258	2246	2217
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	4255	4392	4024	4230	4974	4794	5069	5065	4767	4118	3933	3921	4240	4521
18	Hells Canyon	236	244	271	247	253	253	328	253	313	305	319	361	306	260
19	Hungry Horse	351	344	287	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	483	465	512	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	331	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	-4.43	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	693	693	690	693	693	693	693	693	643	626	693	693	693	693
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	527	527	509	482	478	504	527	535	547	547	547	528	528	528
47	Rocky Reach	1267	1267	1124	1087	1159	1204	1166	1159	1159	1159	1267	1267	1267	1267
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	743	743	743	743	778	743	743	743	743	743	743	743	743	743
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

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Total Regulated Hydro															
59	Federal Entities	12932	11698	11248	9889	13026	13917	13025	11697	12043	11090	11050	15472	13222	13541
60	Investor Owned Utilities	3824	3752	3699	3266	3759	3798	3940	3797	3823	3655	3549	3996	4125	4093
61	Marketer	894	868	810	794	819	842	868	868	861	838	863	856	878	888
62	Municipality	1740	2118	2168	2066	1989	1943	2026	1841	1736	1702	1682	1817	2312	2162
63	Public Utility District	2759	2759	2621	2562	2692	2659	2685	2673	2584	2554	2625	2727	2766	2743
64	**Total Regulated Hydro**	**22148**	**21195**	**20546**	**18576**	**22285**	**23160**	**22544**	**20876**	**21046**	**19839**	**19768**	**24868**	**23304**	**23426**

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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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	139	138	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2015 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2016 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	147	144	164	165	176	186	174	174	222	228	179
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	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	Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52	Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53	North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54	Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55	Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56	Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57	Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58	Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	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	125	126	132	160	160	186	187	196	200	184	184	229	238	191
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

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 Moyie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95
52 Newhalem	0.13	0.08	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.17
53 North Umpqua	189	189	189	189	189	189	189	189	189	189	189	189	189	189
54 Oneida	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
55 Packwood Lake	7.80	20.7	3.87	3.03	1.63	4.65	2.65	3.24	5.36	9.72	9.72	24.1	44.9	24.8
56 Palisades	118	118	105	41.8	8.65	9.59	9.21	10.8	24.8	49.0	51.7	152	151	127
57 Paris	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
58 Reeder Gulch	0.40	0.15	0.15	0.10	0.11	0.08	0.12	0.13	0.18	0.18	0.21	0.21	0.23	0.23

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
59	Rogue	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
60	Roza	10.6	10.6	2.82	2.30	0.39	2.23	1.94	2.37	8.80	11.4	11.4	10.8	10.9	10.6
61	Shoshone Falls	6.45	6.45	6.70	6.07	5.29	5.21	4.91	5.49	5.10	6.53	6.53	5.98	6.05	6.35
62	Smith Creek (Idaho)	0	0	0.05	1.71	1.20	0.48	0.03	0.68	0.93	11.3	11.3	35.7	27.7	3.85
63	Snoqualmie Falls	13.0	11.9	12.0	10.5	6.85	20.7	9.83	14.3	21.9	23.0	25.1	25.2	15.7	19.9
64	Soda Creek 4	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
65	Soda Creek No 5	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.28
66	Soda Point	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
67	South Fork Tolt	9.01	9.01	6.45	5.48	5.51	5.56	5.59	5.63	5.62	5.65	5.65	6.63	7.93	9.40
68	Stone Creek	6.50	4.30	-1.16	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60
69	Strawberry Creek (WY)	1.35	1.35	1.12	0.96	0.86	0.78	0.70	0.68	0.63	0.80	0.80	1.37	1.58	1.51
70	Swan Falls	12.9	12.9	13.4	12.1	10.6	10.4	9.81	11.0	10.2	13.1	13.1	12.0	12.1	12.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.93	4.93	4.95	5.01	5.02	3.43	3.20	3.11	4.73	4.82	4.82	4.71	4.67	4.85
73	Thousand Springs	7.93	7.93	7.35	5.89	6.10	5.98	6.06	5.95	5.89	5.48	5.54	5.43	5.36	6.31
74	Trail Bridge	1.90	1.90	2.66	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80
75	TW Sullivan	10.8	10.2	11.8	11.1	10.7	15.4	14.6	14.3	14.6	15.4	15.4	15.4	15.4	14.9
76	Twin Falls (ID)	27.2	27.2	28.3	25.6	22.3	22.0	20.7	23.1	21.5	27.5	27.5	25.2	25.5	26.8
77	Upper Malad	7.48	7.48	6.93	5.58	5.77	5.66	5.72	5.62	5.56	5.17	5.23	5.13	5.05	5.95
78	Upper Salmon A	9.29	9.29	9.65	8.74	7.61	7.50	7.06	7.90	7.34	9.40	9.40	8.61	8.71	9.14
79	Upper Salmon B	8.51	8.51	8.85	8.01	6.98	6.88	6.48	7.24	6.73	8.62	8.62	7.89	7.98	8.38
80	Wallowa Falls	0.47	0.47	0.51	0.45	0.43	0.47	0.45	0.43	0.49	0.46	0.46	0.60	0.71	0.60
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	-5.70	7.70
82	Wynoochee Dam	1.17	1.17	2.06	3.62	6.40	7.46	7.98	5.67	3.93	0.84	0.84	0.01	0.01	1.49
83	Yelm	9.36	9.36	8.91	10.3	7.33	4.97	4.51	5.90	6.20	7.59	7.59	6.20	7.28	7.94
	Total Independent Hydro														
84	Cooperative	7.41	7.41	5.16	4.74	5.20	5.12	5.35	5.82	6.29	8.14	8.14	10.8	11.5	9.87
85	Federal Entities	459	454	528	403	378	254	223	199	349	596	609	753	790	504
86	Investor Owned Utilities	764	761	773	816	795	820	795	815	820	870	874	848	839	771
87	Municipality	135	136	143	160	160	186	187	196	200	184	184	229	238	191
88	Public Utility District	143	149	129	127	126	126	125	28.7	128	130	130	149	160	151
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

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	1702	1704	819	1880	1652	1384	1037	718	1637	914	2406	4129	4443	2106
2	1930 Federal Report Surplus Deficit	1302	399	1148	1454	1476	1468	-378	883	1400	1397	3126	3983	3005	2606
3	1931 Federal Report Surplus Deficit	1444	560	863	1146	1921	1316	-216	-354	833	2307	-874	4438	3201	2441
4	1932 Federal Report Surplus Deficit	1457	794	543	965	948	1330	-363	-836	3614	4779	4353	5083	5579	2688
5	1933 Federal Report Surplus Deficit	1837	1371	1695	1621	1007	1565	3041	3730	4269	4367	3775	5087	5864	3747
6	1934 Federal Report Surplus Deficit	1819	2222	1242	2896	4064	4097	4010	4582	4774	4644	4399	4758	4606	2720
7	1935 Federal Report Surplus Deficit	1309	710	568	1275	840	1766	2753	2981	3676	4106	3262	4850	4630	3128
8	1936 Federal Report Surplus Deficit	1874	1148	732	1630	1579	1408	86.9	-122	2153	2529	4207	4905	5217	2532
9	1937 Federal Report Surplus Deficit	1471	615	627	1552	2015	1400	1.44	-138	1614	1542	1288	4696	3851	2441
10	1938 Federal Report Surplus Deficit	1101	144	1110	1293	874	1924	2536	2915	4664	4965	4650	5129	5210	3082
11	1939 Federal Report Surplus Deficit	1510	1157	1170	1842	1415	1444	1274	1049	2812	4289	3917	4945	3915	2479
12	1940 Federal Report Surplus Deficit	1007	-122	481	1895	2310	1873	845	1080	3935	4165	3807	4811	4544	2228
13	1941 Federal Report Surplus Deficit	1014	-64.8	745	1755	1230	1717	732	675	1328	1678	2254	4318	4272	2448
14	1942 Federal Report Surplus Deficit	1205	806	1545	971	1635	2475	2600	1185	1951	2024	3492	4410	5075	3306
15	1943 Federal Report Surplus Deficit	1664	1456	1976	1705	861	1812	3135	3702	4646	5049	4628	4968	5802	3068
16	1944 Federal Report Surplus Deficit	1636	1557	890	1592	1697	1334	1048	910	1261	950	2687	3473	2323	2177
17	1945 Federal Report Surplus Deficit	1115	353	659	1461	1506	976	207	154	1052	587	-1248	4970	5161	2019
18	1946 Federal Report Surplus Deficit	1644	903	1172	1409	1316	1844	2444	2883	4468	4795	4602	5143	5382	3194
19	1947 Federal Report Surplus Deficit	1889	1856	1328	1497	1539	3768	3953	4429	4824	4618	3969	5002	5264	3245
20	1948 Federal Report Surplus Deficit	1591	1251	1066	4096	3640	2930	3825	3781	4022	4476	4449	5121	5581	3561
21	1949 Federal Report Surplus Deficit	1978	2218	1635	1950	1551	1890	2533	1585	4991	4875	4537	5039	5248	2007
22	1950 Federal Report Surplus Deficit	1002	86.1	617	1550	1477	1748	3818	4205	5041	5064	4465	5209	5863	3502
23	1951 Federal Report Surplus Deficit	1937	2249	1325	2859	3912	3860	4092	4933	4961	5085	4554	5099	5335	3455
24	1952 Federal Report Surplus Deficit	2079	2104	1285	3784	2773	2943	3569	4031	4722	5081	4600	5052	5371	3144
25	1953 Federal Report Surplus Deficit	1683	1546	616	1481	1603	1419	1212	3480	3598	3622	3579	5039	5749	3440
26	1954 Federal Report Surplus Deficit	1862	1778	1155	1827	1897	2504	3662	4482	4793	4742	4104	5111	5534	3958
27	1955 Federal Report Surplus Deficit	2090	2241	3672	2037	3002	2152	1701	513	938	2476	3185	4837	5668	4102
28	1956 Federal Report Surplus Deficit	1883	2031	917	2241	3536	3784	4090	4741	4822	4821	4807	5170	5676	3527
29	1957 Federal Report Surplus Deficit	1889	2106	1147	2171	1493	2586	2530	1595	4485	4808	4013	5046	5575	3041
30	1958 Federal Report Surplus Deficit	1651	1283	1005	1709	1715	1666	2759	3127	4275	4462	4211	4991	5434	2867
31	1959 Federal Report Surplus Deficit	1554	1159	838	1697	2625	3522	4013	4565	4753	4798	4064	4954	5746	3217
32	1960 Federal Report Surplus Deficit	1996	2261	3600	4028	4065	3355	3300	2867	4290	4767	4350	5015	5373	2956
33	1961 Federal Report Surplus Deficit	1701	1047	749	1904	1601	2061	3067	3793	4772	4734	3589	4977	5570	2858
34	1962 Federal Report Surplus Deficit	1558	1463	636	1610	1640	1592	2738	3005	2994	4698	4456	5003	5502	2080
35	1963 Federal Report Surplus Deficit	1435	1241	754	2308	2967	3280	2843	2958	3171	3578	3311	4786	5362	3073
36	1964 Federal Report Surplus Deficit	1599	1262	1345	1555	1198	2026	2027	1908	2815	4611	3472	5067	5771	3854
37	1965 Federal Report Surplus Deficit	1904	2123	2008	2880	2530	3845	4105	4787	4835	4587	4501	5161	5347	3112
38	1966 Federal Report Surplus Deficit	1896	2075	686	2202	2138	2197	2609	2473	2213	4648	3669	4851	4781	3125
39	1967 Federal Report Surplus Deficit	1720	1179	895	1534	1356	2270	3709	4559	4865	4036	1751	5007	5605	3467
40	1968 Federal Report Surplus Deficit	1839	1892	1179	1885	2216	2204	3297	4127	4376	3203	2705	4313	5219	3245
41	1969 Federal Report Surplus Deficit	1890	1860	2479	2967	3624	2965	4030	4548	4710	4870	4500	5104	5410	3221
42	1970 Federal Report Surplus Deficit	1837	1771	1111	1794	1896	1585	2558	2794	3681	4105	2964	4891	5525	2673
43	1971 Federal Report Surplus Deficit	1476	1124	724	1558	1493	1811	4048	4623	5083	5026	4461	5167	5650	3883
44	1972 Federal Report Surplus Deficit	2103	2271	1758	2278	1719	2482	4031	4551	4969	5076	4418	5267	5679	3831
45	1973 Federal Report Surplus Deficit	1960	2148	2358	2179	1821	2195	2674	1539	2231	83.9	2177	4338	4441	2326
46	1974 Federal Report Surplus Deficit	1235	166	716	1248	1211	2564	3963	4439	4842	4813	4707	5280	5780	4117
47	1975 Federal Report Surplus Deficit	1986	2183	1853	1478	1678	1819	2558	3676	4627	3744	3624	5153	5712	4237
48	1976 Federal Report Surplus Deficit	1945	2004	1761	3185	3914	4134	3977	4678	4910	4904	4562	5165	5482	3585
49	1977 Federal Report Surplus Deficit	2237	2313	3982	2278	1744	1228	926	1195	1630	195	2507	2893	2050	2028
50	1978 Federal Report Surplus Deficit	1093	316	330	316	813	3033	2307	2674	4037	4965	3958	4963	4790	3119
51	1979 Federal Report Surplus Deficit	1505	1134	2541	2413	1813	1563	1921	776	4062	3348	3517	4974	4222	2111
52	1980 Federal Report Surplus Deficit	909	218	646	1608	1654	1220	1274	1289	2039	3977	3967	4979	5209	2436
53	1981 Federal Report Surplus Deficit	1380	638	936	1856	1634	3550	3509	2945	3273	2026	3710	4841	5533	3298
54	1982 Federal Report Surplus Deficit	1978	2239	1476	1787	2168	2652	3548	4742	5045	4966	4358	5141	5821	3581

Federal Report Surplus Deficit By Water Year

Operating Year 2014

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2064	2287	2880	3033	2272	2899	3808	4594	5150	4888	4134	5057	5462	3458
56	1984 Federal Report Surplus Deficit	1925	2141	1601	1982	4100	2875	3461	4197	4731	4799	4374	5014	5753	3625
57	1985 Federal Report Surplus Deficit	1909	1763	1549	2058	2119	2197	2282	2411	3637	4707	4242	5055	4816	1462
58	1986 Federal Report Surplus Deficit	658	-659	648	1423	3269	2267	2912	4243	4869	4709	4198	4776	5326	2850
59	1987 Federal Report Surplus Deficit	1644	983	676	1491	1448	2296	1617	113	3263	2773	3022	4732	4388	2309
60	1988 Federal Report Surplus Deficit	664	-667	740	1290	1396	1241	100	-82.5	1343	1573	3146	4352	4567	2692
61	1989 Federal Report Surplus Deficit	1144	469	1129	908	916	1764	1076	884	3312	4642	4344	4965	4692	2228
62	1990 Federal Report Surplus Deficit	1121	159	792	1399	1840	2077	2985	3853	4432	4328	4450	4883	5460	2990
63	1991 Federal Report Surplus Deficit	1926	1872	851	1243	3934	3135	3400	4481	4538	4635	4013	5020	5225	3431
64	1992 Federal Report Surplus Deficit	1948	2184	961	1467	1581	1435	1061	717	2346	2061	2541	4641	4080	2054
65	1993 Federal Report Surplus Deficit	733	-387	658	1133	1523	1597	-33.2	-249	3020	2785	3433	4858	4919	2830
66	1994 Federal Report Surplus Deficit	1468	915	1255	1214	2153	1548	279	-100	1688	1396	2981	4566	4417	2584
67	1995 Federal Report Surplus Deficit	1245	152	823	931	1024	1242	1029	3398	4431	4411	3397	4766	5345	2919
68	1996 Federal Report Surplus Deficit	1593	1181	1986	2466	4008	3837	4016	4854	4896	4936	4631	5098	5533	3689
69	1997 Federal Report Surplus Deficit	2016	2217	868	1707	1959	2863	4133	4443	5012	4791	4788	5155	5708	3772
70	1998 Federal Report Surplus Deficit	2071	2277	2605	4160	3530	2708	2305	3017	3411	3443	3783	4843	5534	3106
71	1999 Federal Report Surplus Deficit	1960	1248	1010	1620	1146	2474	3970	4546	5036	4744	4469	5159	5759	3805
72	2000 Federal Report Surplus Deficit	2187	2341	2044	1955	4120	3316	3080	3517	4436	4840	4454	4974	4860	2939
73	2001 Federal Report Surplus Deficit	1820	548	769	1664	1591	1368	986	1015	1455	790	2440	4099	1772	2321
74	2002 Federal Report Surplus Deficit	985	195	395	225	948	1320	583	1102	2114	4618	4261	4717	5403	3538
75	2003 Federal Report Surplus Deficit	1943	1758	1135	1252	2005	1562	444	525	4153	4203	3490	4520	5340	2336
76	2004 Federal Report Surplus Deficit	1038	-309	510	1680	1876	2012	1042	420	2304	3708	3554	4701	4750	2456
77	2005 Federal Report Surplus Deficit	1120	607	1218	2010	1780	2490	2335	1850	2785	2000	2902	4533	4946	2614
78	2006 Federal Report Surplus Deficit	1562	554	1134	1192	1743	2008	3233	3839	4364	4817	4541	5040	5373	2977
79	2007 Federal Report Surplus Deficit	1487	986	802	1340	1865	1931	3047	2105	4940	4636	3849	4914	4695	3095
80	2008 Federal Report Surplus Deficit	1471	45.8	510	1638	1614	1541	1584	924	3569	3699	2477	5035	5776	3307

Ranked Averages

81	**Bottom 10 pct**	**872**	**-175**	**616**	**1360**	**1726**	**1623**	**1279**	**1533**	**2961**	**3571**	**3691**	**4752**	**5013**	**2816**
82	**Middle 80 pct**	**1629**	**1262**	**1166**	**1788**	**1982**	**2250**	**2446**	**2639**	**3704**	**3821**	**3610**	**4867**	**5053**	**2971**
83	**Top 10 pct**	**2106**	**2256**	**2387**	**2654**	**2640**	**2574**	**2944**	**3233**	**3783**	**3849**	**3984**	**4760**	**5042**	**3298**

Federal Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2525	2599	2498	1002	1392	1157	868	827	1338	604	2516	3803	3722	2094
2	1930 Federal Report Surplus Deficit	2142	1577	2594	927	1411	1246	25.2	1003	1456	1376	2957	3823	1379	2658
3	1931 Federal Report Surplus Deficit	2302	1704	2240	846	1643	1175	-363	-206	1182	1935	1129	4019	2606	2495
4	1932 Federal Report Surplus Deficit	2311	1916	2380	407	748	1185	-729	-373	3474	4606	4153	4399	4872	2708
5	1933 Federal Report Surplus Deficit	2633	2384	2925	1037	812	1657	2793	3443	4168	4073	3594	4437	5119	3627
6	1934 Federal Report Surplus Deficit	2524	2863	2616	2008	3607	3809	3730	4278	4598	4518	4218	4111	3958	2661
7	1935 Federal Report Surplus Deficit	2140	1816	2114	1000	681	1925	2578	3116	4152	3220	3082	4268	4011	3075
8	1936 Federal Report Surplus Deficit	2630	2217	2568	825	1243	1194	360	241	1842	2432	3972	4184	4500	2521
9	1937 Federal Report Surplus Deficit	2328	1768	2464	806	1629	1169	170	-76.6	1211	1288	1232	4114	2939	2444
10	1938 Federal Report Surplus Deficit	1920	1340	2537	1030	863	2202	2240	2465	4710	4628	4450	4463	4689	2911
11	1939 Federal Report Surplus Deficit	2366	2219	2590	1112	1173	1210	1387	1484	3106	3504	3762	4275	2714	2503
12	1940 Federal Report Surplus Deficit	1827	1088	2197	1238	1746	2113	1242	688	4629	3885	3234	4156	3179	2487
13	1941 Federal Report Surplus Deficit	1781	1150	2242	1036	1153	2002	610	698	1792	1463	2117	3823	2950	2590
14	1942 Federal Report Surplus Deficit	2047	1916	2749	860	2017	2289	2233	1865	3408	2557	3456	3962	4203	3164
15	1943 Federal Report Surplus Deficit	2479	2419	3146	1134	687	1774	2837	3795	4579	4890	4409	4300	5089	3024
16	1944 Federal Report Surplus Deficit	2475	2490	2535	679	1353	1118	895	894	1258	645	2505	3557	1249	2342
17	1945 Federal Report Surplus Deficit	1948	1524	2176	1021	1341	1038	-116	625	1423	619	-1374	4308	4493	2264
18	1946 Federal Report Surplus Deficit	2502	2022	2647	773	1092	2118	2293	2720	4314	4590	4391	4483	4723	3097
19	1947 Federal Report Surplus Deficit	2606	2696	2660	655	1426	3594	3430	4169	4712	4376	3780	4351	4572	3171
20	1948 Federal Report Surplus Deficit	2419	2280	2540	3683	3227	2815	3472	3567	4026	4243	4275	4416	4836	3477
21	1949 Federal Report Surplus Deficit	2596	2861	2877	1033	1292	1807	2242	1965	4744	4681	4296	4356	4593	2243
22	1950 Federal Report Surplus Deficit	1774	1294	2455	837	1235	1812	3400	4114	4775	4898	4259	4550	5141	3427
23	1951 Federal Report Surplus Deficit	2580	2894	2677	1924	3479	3680	3772	4494	4801	4910	4352	4439	4561	3417
24	1952 Federal Report Surplus Deficit	2715	2836	2649	3152	2423	2828	3252	3579	4571	4912	4425	4370	4684	3017
25	1953 Federal Report Surplus Deficit	2466	2495	2452	669	1044	1239	2414	2406	3678	3271	3356	4376	4995	3349
26	1954 Federal Report Surplus Deficit	2625	2654	2589	909	1610	2405	3181	4078	4610	4475	3947	4445	4835	3815
27	1955 Federal Report Surplus Deficit	2691	2840	4501	1116	2633	2063	1592	1266	1924	2649	3035	4209	4945	3961
28	1956 Federal Report Surplus Deficit	2527	2781	2494	1319	3131	3610	3731	4426	4575	4620	4600	4501	4945	3452
29	1957 Federal Report Surplus Deficit	2556	2830	2586	1223	1240	2481	2427	1670	4290	4634	3710	4230	4826	3034
30	1958 Federal Report Surplus Deficit	2499	2303	2510	919	1445	1564	2690	2948	4102	4230	4038	4315	4698	2785
31	1959 Federal Report Surplus Deficit	2410	2206	2432	1059	2031	3371	3645	4290	4571	4613	3904	4296	5020	3082
32	1960 Federal Report Surplus Deficit	2658	2885	4400	4049	3608	3204	3000	2491	4176	4563	4160	4365	4698	2932
33	1961 Federal Report Surplus Deficit	2538	2121	2444	1005	1272	1975	2824	3769	4568	4457	3427	4326	4843	2864
34	1962 Federal Report Surplus Deficit	2416	2443	2306	779	1380	1567	2545	2796	2398	4507	4231	4343	4788	2398
35	1963 Federal Report Surplus Deficit	2291	2270	2510	1455	2523	3151	2983	3055	3838	3119	3146	4290	4420	2970
36	1964 Federal Report Surplus Deficit	2432	2264	2686	737	983	1901	1889	1570	2462	4440	3295	4414	5037	3765
37	1965 Federal Report Surplus Deficit	2561	2769	3186	1977	2194	3663	3801	4454	4576	4207	4295	4494	4656	3184
38	1966 Federal Report Surplus Deficit	2558	2761	2286	1264	1816	2107	2430	2176	2498	4481	3570	4149	4159	3034
39	1967 Federal Report Surplus Deficit	2539	2230	2430	699	1120	2132	3475	4210	4632	3695	1815	4336	4919	3406
40	1968 Federal Report Surplus Deficit	2597	2714	2558	954	1901	2114	3231	3434	4317	2826	2566	3979	4521	3126
41	1969 Federal Report Surplus Deficit	2599	2643	3629	2096	3210	2850	3662	4241	4515	4667	4271	4446	4727	3157
42	1970 Federal Report Surplus Deficit	2581	2649	2592	966	1618	1487	2665	2754	3715	3818	2319	4206	4798	2772
43	1971 Federal Report Surplus Deficit	2333	2188	2388	687	1247	1679	3761	4322	4850	4850	4284	4509	4952	3728
44	1972 Federal Report Surplus Deficit	2722	2892	2980	1327	1448	2390	3724	4248	4736	4899	4211	4594	4953	3716
45	1973 Federal Report Surplus Deficit	2578	2759	3512	1236	1538	2108	2596	1805	1898	-143	2047	3972	2864	2463
46	1974 Federal Report Surplus Deficit	2063	1352	2194	892	756	2971	3795	4071	4608	4615	4467	4550	5066	3981
47	1975 Federal Report Surplus Deficit	2601	2798	3065	599	1415	1745	2358	3414	4428	3386	3471	4479	4991	4148
48	1976 Federal Report Surplus Deficit	2595	2753	2978	2324	3482	3883	3611	4403	4696	4731	4361	4495	4747	3580
49	1977 Federal Report Surplus Deficit	2811	2913	4355	1342	1469	1005	786	993	1684	-132	2374	3436	255	2357
50	1978 Federal Report Surplus Deficit	1905	1490	2160	403	669	2654	2453	2974	4141	4799	3787	4301	4176	3210
51	1979 Federal Report Surplus Deficit	2359	2179	3686	1478	1539	1581	2154	771	3937	2968	3369	4297	3368	2267
52	1980 Federal Report Surplus Deficit	1664	1414	2475	901	1381	1029	1695	1396	1741	3700	3802	4262	4510	2572
53	1981 Federal Report Surplus Deficit	2238	1761	2387	1057	1373	3340	3153	3613	4079	1695	3393	4173	4768	3177
54	1982 Federal Report Surplus Deficit	2657	2875	2761	948	1803	2546	3252	4403	4819	4806	4187	4484	5105	3592

Federal Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2699	2898	4018	2143	1958	2788	3467	4342	4927	4695	3838	4386	4709	3522
56	1984 Federal Report Surplus Deficit	2573	2777	2857	1065	3656	2764	3158	3968	4575	4615	4135	4376	5013	3504
57	1985 Federal Report Surplus Deficit	2660	2662	2821	1137	1818	2110	2113	2100	3483	4475	4046	4393	4033	2041
58	1986 Federal Report Surplus Deficit	1529	619	2447	1728	3029	2110	2677	3932	4636	4541	4012	4127	4635	2831
59	1987 Federal Report Surplus Deficit	2498	2079	2300	659	1200	2207	1925	574	3646	2383	2871	3998	3707	2400
60	1988 Federal Report Surplus Deficit	1492	586	2389	736	1256	1012	254	-23.7	1672	1718	3047	4018	3089	2776
61	1989 Federal Report Surplus Deficit	1959	1637	2569	722	910	1975	782	734	3399	4440	4161	4319	4076	2291
62	1990 Federal Report Surplus Deficit	1945	1362	2482	841	1739	2356	2828	3318	4282	3963	4245	4231	4782	2876
63	1991 Federal Report Surplus Deficit	2666	2722	2481	491	3486	3023	3278	3886	4350	4445	3707	4379	4618	3358
64	1992 Federal Report Surplus Deficit	2630	2843	2497	611	1320	1407	1546	656	3587	1687	2378	3915	2282	2359
65	1993 Federal Report Surplus Deficit	1542	843	2163	854	1275	1518	273	-155	2820	2352	3239	4131	4290	2663
66	1994 Federal Report Surplus Deficit	2325	2032	2699	743	1857	1404	360	698	1362	1027	2782	3903	3619	2612
67	1995 Federal Report Surplus Deficit	2073	1345	2256	632	822	1560	1002	3721	4589	3526	2988	4151	4611	2952
68	1996 Federal Report Surplus Deficit	2449	2238	3177	2406	3553	3517	3725	4552	4686	4746	4404	4440	4825	3581
69	1997 Federal Report Surplus Deficit	2658	2863	2516	810	1667	2753	3863	4136	4776	4587	4558	4482	4961	3676
70	1998 Federal Report Surplus Deficit	2697	2894	3755	3884	3124	2610	2225	2929	3396	2851	3439	4098	4765	3048
71	1999 Federal Report Surplus Deficit	2710	2310	2555	800	864	2419	3630	4227	4805	4503	4210	4498	5028	3703
72	2000 Federal Report Surplus Deficit	2791	2946	3214	1120	3653	3188	2856	3307	4274	4688	4253	4296	4306	2984
73	2001 Federal Report Surplus Deficit	2621	1711	2441	850	1328	1147	826	852	1728	400	2577	3922	-169	2448
74	2002 Federal Report Surplus Deficit	1770	1392	2233	312	808	1726	781	1114	2468	4028	4071	4126	4698	3420
75	2003 Federal Report Surplus Deficit	2712	2683	2597	435	1714	1322	398	676	4271	3925	3331	3893	4661	2385
76	2004 Federal Report Surplus Deficit	1807	929	2341	1002	1501	2348	934	385	3651	3472	3149	4037	4109	2343
77	2005 Federal Report Surplus Deficit	1936	1753	2536	1138	1501	2396	2163	2269	2664	1621	2753	3881	4220	2610
78	2006 Federal Report Surplus Deficit	2417	1731	2621	895	1476	1974	2967	3512	4252	4679	4330	4362	4704	2862
79	2007 Federal Report Surplus Deficit	2338	2083	2465	481	1767	2047	2882	2098	4710	4418	3667	4247	4049	3020
80	2008 Federal Report Surplus Deficit	2323	1258	2348	1012	1279	1664	1580	1668	2832	3431	2134	4350	5023	3216

Ranked Averages

81	**Bottom 10 pct**	**1670**	**1028**	**2343**	**926**	**1455**	**1695**	**1328**	**1432**	**2944**	**3271**	**3462**	**4134**	**4178**	**2828**
82	**Middle 80 pct**	**2410**	**2245**	**2664**	**1114**	**1732**	**2187**	**2339**	**2587**	**3671**	**3547**	**3456**	**4259**	**4254**	**2991**
83	**Top 10 pct**	**2732**	**2796**	**3265**	**1775**	**2082**	**2319**	**2542**	**3038**	**4083**	**3793**	**3760**	**4196**	**4170**	**3091**

Federal Report Surplus Deficit By Water Year

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

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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	2421	2621	2109	946	1045	1044	812	962	1389	563	2752	4625	4521	2208
2	1930 Federal Report Surplus Deficit	2000	1734	2127	870	1065	1133	-32.0	1138	1507	1336	3193	4645	2175	2773
3	1931 Federal Report Surplus Deficit	2180	1611	1639	789	1297	1061	-420	-72.1	1232	1896	1363	4841	3404	2610
4	1932 Federal Report Surplus Deficit	2253	1408	1906	350	401	1072	-787	-240	3527	4572	4388	5218	5656	2823
5	1933 Federal Report Surplus Deficit	2577	2418	2313	981	465	1544	2739	3582	4222	4036	3831	5260	5911	3744
6	1934 Federal Report Surplus Deficit	2519	2968	2263	1953	3264	3699	3677	4416	4653	4485	4454	4933	4756	2776
7	1935 Federal Report Surplus Deficit	1917	1509	1619	943	334	1813	2524	3254	4206	3182	3319	5089	4809	3190
8	1936 Federal Report Surplus Deficit	2622	2332	2099	769	896	1081	303	376	1893	2387	4209	5015	5308	2632
9	1937 Federal Report Surplus Deficit	2274	1567	1987	750	1283	1055	113	57.6	1261	1247	1467	4937	3737	2559
10	1938 Federal Report Surplus Deficit	2067	1434	1940	974	516	2090	2185	2602	4765	4580	4685	5290	5474	3019
11	1939 Federal Report Surplus Deficit	2280	1832	2223	1056	826	1097	1332	1620	3159	3464	3999	5104	3510	2618
12	1940 Federal Report Surplus Deficit	1734	1320	1769	1182	1400	2001	1186	823	4683	3847	3470	4977	3977	2602
13	1941 Federal Report Surplus Deficit	2000	1229	1701	979	806	1890	553	833	1844	1423	2353	4646	3748	2705
14	1942 Federal Report Surplus Deficit	2029	1492	1736	803	1671	2177	2178	2001	3462	2514	3691	4782	4994	3280
15	1943 Federal Report Surplus Deficit	2445	2260	2543	1078	340	1662	2783	3934	4633	4854	4629	5134	5905	3140
16	1944 Federal Report Surplus Deficit	2455	2378	2102	622	1007	1005	839	1029	1308	603	2740	4378	2044	2456
17	1945 Federal Report Surplus Deficit	1758	1228	1638	964	995	924	-174	760	1473	578	-1143	5137	5296	2422
18	1946 Federal Report Surplus Deficit	2372	1971	2114	717	745	2006	2238	2858	4367	4539	4623	5303	5499	3213
19	1947 Federal Report Surplus Deficit	2596	2678	2259	598	1079	3484	3377	4309	4766	4337	4013	5176	5378	3287
20	1948 Federal Report Surplus Deficit	2428	2173	2206	3630	2882	2704	3419	3706	4080	4190	4508	5242	5640	3587
21	1949 Federal Report Surplus Deficit	2547	2939	2996	977	945	1695	2187	2102	4798	4631	4527	5179	5380	2357
22	1950 Federal Report Surplus Deficit	1788	1239	1962	780	888	1700	3347	4252	4828	4862	4494	5379	5942	3544
23	1951 Federal Report Surplus Deficit	2607	2993	2339	1869	3135	3570	3716	4633	4857	4875	4585	5263	5353	3534
24	1952 Federal Report Surplus Deficit	2680	2948	2307	3098	2078	2717	3199	3718	4625	4871	4655	5194	5466	3132
25	1953 Federal Report Surplus Deficit	2383	2095	1962	612	697	1126	2360	2544	3732	3232	3593	5199	5789	3465
26	1954 Federal Report Surplus Deficit	2525	2496	2232	852	1264	2294	3127	4217	4665	4436	4183	5270	5621	3955
27	1955 Federal Report Surplus Deficit	2706	2934	4350	1060	2288	1951	1536	1402	1976	2611	3272	5031	5722	4072
28	1956 Federal Report Surplus Deficit	2518	2857	2096	1262	2787	3500	3678	4565	4627	4595	4836	5326	5724	3571
29	1957 Federal Report Surplus Deficit	2561	2910	2229	1166	893	2370	2373	1806	4345	4599	3943	5052	5605	3150
30	1958 Federal Report Surplus Deficit	2519	2033	2108	862	1099	1451	2636	3086	4156	4188	4273	5141	5496	2900
31	1959 Federal Report Surplus Deficit	2198	2152	2063	1003	1685	3260	3593	4430	4625	4573	4134	5114	5791	3198
32	1960 Federal Report Surplus Deficit	2665	2990	4263	3996	3264	3093	2946	2628	4231	4539	4390	5185	5492	3047
33	1961 Federal Report Surplus Deficit	2534	2034	2051	948	925	1863	2770	3908	4623	4420	3664	5151	5636	2979
34	1962 Federal Report Surplus Deficit	2501	2290	1898	722	1033	1454	2491	2933	2450	4478	4452	5164	5579	2512
35	1963 Federal Report Surplus Deficit	2283	2054	2073	1399	2178	3041	2930	3194	3891	3081	3382	5109	5212	3082
36	1964 Federal Report Surplus Deficit	2395	2157	2352	680	635	1789	1834	1707	2514	4404	3530	5235	5839	3892
37	1965 Federal Report Surplus Deficit	2568	2873	2860	1922	1849	3553	3746	4592	4629	4157	4531	5319	5447	3297
38	1966 Federal Report Surplus Deficit	2565	2853	1892	1208	1470	1995	2376	2313	2551	4446	3805	4974	4959	3150
39	1967 Federal Report Surplus Deficit	2560	2118	2069	642	773	2020	3422	4350	4686	3658	2050	5159	5693	3518
40	1968 Federal Report Surplus Deficit	2601	2739	2213	898	1555	2003	3178	3572	4370	2787	2801	4800	5310	3258
41	1969 Federal Report Surplus Deficit	2601	2692	3320	2041	2866	2739	3609	4379	4567	4642	4492	5273	5513	3273
42	1970 Federal Report Surplus Deficit	2548	2654	2237	909	1272	1374	2612	2892	3768	3781	2554	5029	5589	2887
43	1971 Federal Report Surplus Deficit	2045	1753	2000	630	900	1567	3705	4460	4907	4805	4510	5332	5743	3853
44	1972 Federal Report Surplus Deficit	2735	2997	2664	1271	1102	2279	3672	4386	4789	4871	4455	5423	5760	3835
45	1973 Federal Report Surplus Deficit	2591	2862	3206	1180	1191	1997	2542	1942	1949	-185	2282	4793	3662	2578
46	1974 Federal Report Surplus Deficit	2097	1201	1652	835	409	2860	3743	4210	4660	4589	4718	5307	5866	4123
47	1975 Federal Report Surplus Deficit	2585	2890	3016	542	1068	1633	2304	3553	4482	3345	3706	5311	5771	4271
48	1976 Federal Report Surplus Deficit	2614	2855	2650	2269	3138	3769	3558	4543	4750	4698	4595	5320	5539	3693
49	1977 Federal Report Surplus Deficit	2825	2977	4403	1286	1123	892	729	1129	1735	-174	2610	4258	1049	2472
50	1978 Federal Report Surplus Deficit	1908	1044	1819	346	322	2543	2398	3112	4195	4763	4013	5126	4973	3325
51	1979 Federal Report Surplus Deficit	2312	2031	2777	1422	1193	1469	2099	906	3991	2930	3607	5121	4167	2381
52	1980 Federal Report Surplus Deficit	1708	1374	2075	844	1035	916	1640	1532	1793	3665	4041	5087	5306	2692
53	1981 Federal Report Surplus Deficit	2118	1463	2051	1000	1026	3229	3100	3752	4132	1654	3630	4994	5549	3292
54	1982 Federal Report Surplus Deficit	2660	2976	2603	891	1457	2435	3198	4541	4878	4763	4412	5303	5886	3707

Federal Report Surplus Deficit By Water Year

Operating Year 2016

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2710	2999	3713	2088	1612	2676	3414	4482	4983	4662	4082	5213	5495	3643
56	1984 Federal Report Surplus Deficit	2575	2881	2525	1009	3312	2653	3105	4108	4629	4587	4366	5196	5778	3618
57	1985 Federal Report Surplus Deficit	2730	2839	2521	1080	1471	1998	2058	2237	3536	4436	4283	5221	4832	2155
58	1986 Federal Report Surplus Deficit	1484	968	1986	1672	2685	1998	2623	4071	4676	4506	4252	4951	5435	2947
59	1987 Federal Report Surplus Deficit	2450	1890	1915	602	853	2096	1870	709	3700	2344	3107	4819	4505	2514
60	1988 Federal Report Surplus Deficit	1592	984	1893	679	909	899	197	110	1723	1678	3283	4840	3887	2891
61	1989 Federal Report Surplus Deficit	2144	1628	1975	665	563	1862	725	869	3452	4393	4396	5141	4875	2405
62	1990 Federal Report Surplus Deficit	1829	1571	2028	784	1393	2244	2775	3456	4336	3921	4482	5053	5579	2992
63	1991 Federal Report Surplus Deficit	2634	2675	2076	434	3142	2912	3225	4025	4405	4408	3944	5201	5414	3473
64	1992 Federal Report Surplus Deficit	2632	2944	2131	554	974	1294	1491	791	3641	1647	2614	4737	3079	2474
65	1993 Federal Report Surplus Deficit	1678	981	1623	798	928	1405	216	-21.4	2872	2314	3477	4956	5091	2778
66	1994 Federal Report Surplus Deficit	2355	2130	2151	687	1511	1291	303	834	1413	987	3019	4725	4418	2727
67	1995 Federal Report Surplus Deficit	2053	1302	1707	575	475	1447	946	3860	4643	3487	3223	4973	5407	3067
68	1996 Federal Report Surplus Deficit	2350	2062	2359	2351	3209	3407	3669	4691	4754	4701	4637	5264	5612	3703
69	1997 Federal Report Surplus Deficit	2650	2965	2183	754	1321	2642	3811	4276	4828	4561	4799	5306	5737	3801
70	1998 Federal Report Surplus Deficit	2706	2993	3481	3831	2779	2499	2170	3067	3450	2806	3673	4928	5558	3165
71	1999 Federal Report Surplus Deficit	2735	2711	2173	743	517	2308	3577	4365	4858	4457	4441	5319	5789	3803
72	2000 Federal Report Surplus Deficit	2781	3044	2957	1064	3309	3077	2802	3445	4328	4651	4489	5114	5100	3099
73	2001 Federal Report Surplus Deficit	2595	1437	2035	793	981	1034	770	988	1779	359	2813	4744	625	2562
74	2002 Federal Report Surplus Deficit	1766	1130	1907	254	461	1613	724	1249	2520	3989	4308	4947	5484	3536
75	2003 Federal Report Surplus Deficit	2658	2381	2123	378	1368	1209	342	811	4325	3888	3568	4713	5458	2499
76	2004 Federal Report Surplus Deficit	1591	1077	1856	946	1154	2237	878	520	3704	3434	3386	4859	4908	2458
77	2005 Federal Report Surplus Deficit	1710	1485	2759	1081	1155	2285	2108	2406	2717	1581	2989	4703	5015	2724
78	2006 Federal Report Surplus Deficit	2391	1734	2141	838	1129	1862	2914	3651	4305	4647	4559	5178	5454	2978
79	2007 Federal Report Surplus Deficit	2546	1345	1983	424	1421	1935	2828	2234	4764	4381	3904	5066	4847	3136
80	2008 Federal Report Surplus Deficit	2189	1425	1870	956	932	1551	1525	1804	2885	3393	2370	5174	5815	3332

Ranked Averages

81	**Bottom 10 pct**	**1657**	**1177**	**1950**	**1021**	**1283**	**1583**	**1084**	**1275**	**2955**	**2700**	**2969**	**4939**	**4864**	**2689**
82	**Middle 80 pct**	**2380**	**2161**	**2208**	**1060**	**1359**	**2075**	**2307**	**2774**	**3783**	**3602**	**3792**	**5078**	**5065**	**3131**
83	**Top 10 pct**	**2741**	**2937**	**3282**	**1553**	**1775**	**2210**	**2495**	**3064**	**3707**	**3540**	**3913**	**5063**	**4913**	**3281**

Federal Report Surplus Deficit By Water Year

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

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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	2378	2679	1969	744	1012	909	621	627	1260	417	2702	3686	3662	2139
2	1930 Federal Report Surplus Deficit	1957	1791	1988	668	1032	998	-223	803	1378	1190	3143	3705	1316	2704
3	1931 Federal Report Surplus Deficit	2136	1669	1499	587	1264	927	-612	-407	1103	1749	1313	3902	2544	2541
4	1932 Federal Report Surplus Deficit	2209	1465	1766	148	367	937	-979	-575	3398	4427	4334	4281	4803	2754
5	1933 Federal Report Surplus Deficit	2534	2476	2173	779	432	1409	2548	3247	4093	3888	3779	4319	5042	3672
6	1934 Federal Report Surplus Deficit	2473	3025	2123	1751	3231	3565	3486	4077	4524	4339	4403	3995	3899	2707
7	1935 Federal Report Surplus Deficit	1873	1566	1479	741	301	1678	2333	2919	4077	3036	3268	4148	3948	3121
8	1936 Federal Report Surplus Deficit	2577	2390	1959	567	863	946	112	40.6	1764	2241	4159	4078	4452	2563
9	1937 Federal Report Surplus Deficit	2230	1625	1847	548	1250	921	-78.3	-278	1132	1101	1416	3996	2877	2490
10	1938 Federal Report Surplus Deficit	2024	1491	1800	772	483	1956	1994	2267	4635	4423	4631	4343	4617	2951
11	1939 Federal Report Surplus Deficit	2236	1889	2084	854	793	962	1141	1285	3030	3316	3947	4161	2652	2549
12	1940 Federal Report Surplus Deficit	1690	1377	1629	980	1367	1866	995	488	4553	3699	3418	4039	3118	2533
13	1941 Federal Report Surplus Deficit	1956	1286	1561	778	773	1755	362	498	1715	1276	2302	3707	2889	2636
14	1942 Federal Report Surplus Deficit	1985	1549	1596	602	1638	2042	1987	1666	3332	2367	3641	3841	4137	3210
15	1943 Federal Report Surplus Deficit	2402	2318	2404	876	307	1527	2592	3598	4503	4707	4573	4188	5040	3071
16	1944 Federal Report Surplus Deficit	2412	2436	1962	420	973	870	648	694	1179	458	2690	3440	1185	2387
17	1945 Federal Report Surplus Deficit	1714	1285	1499	762	962	790	-365	425	1344	430	-1194	4196	4440	2348
18	1946 Federal Report Surplus Deficit	2329	2029	1974	515	712	1871	2047	2523	4239	4402	4576	4369	4664	3144
19	1947 Federal Report Surplus Deficit	2551	2736	2119	397	1046	3349	3186	3974	4636	4185	3955	4233	4510	3218
20	1948 Federal Report Surplus Deficit	2385	2231	2066	3428	2849	2570	3228	3370	3951	4043	4458	4304	4801	3522
21	1949 Federal Report Surplus Deficit	2501	2998	2858	775	912	1560	1996	1767	4668	4485	4477	4240	4534	2288
22	1950 Federal Report Surplus Deficit	1743	1295	1822	578	855	1565	3156	3913	4697	4715	4439	4435	5093	3474
23	1951 Federal Report Surplus Deficit	2560	3052	2200	1667	3102	3435	3523	4294	4726	4729	4534	4325	4505	3465
24	1952 Federal Report Surplus Deficit	2634	3007	2167	2896	2045	2583	3007	3383	4495	4723	4603	4256	4614	3063
25	1953 Federal Report Surplus Deficit	2340	2153	1823	411	664	991	2168	2208	3602	3084	3540	4261	4970	3395
26	1954 Federal Report Surplus Deficit	2482	2554	2093	651	1230	2159	2936	3882	4535	4287	4130	4330	4780	3892
27	1955 Federal Report Surplus Deficit	2657	2993	4213	858	2255	1816	1345	1067	1847	2464	3221	4092	4883	3998
28	1956 Federal Report Surplus Deficit	2472	2916	1956	1061	2754	3365	3487	4226	4497	4447	4786	4388	4893	3501
29	1957 Federal Report Surplus Deficit	2515	2969	2090	965	860	2235	2182	1471	4213	4453	3884	4115	4770	3081
30	1958 Federal Report Surplus Deficit	2476	2091	1969	661	1066	1316	2445	2750	4026	4036	4219	4202	4653	2831
31	1959 Federal Report Surplus Deficit	2155	2210	1923	801	1652	3125	3401	4095	4495	4424	4080	4175	4944	3129
32	1960 Federal Report Surplus Deficit	2619	3048	4127	3794	3231	2958	2755	2293	4102	4402	4334	4246	4634	2978
33	1961 Federal Report Surplus Deficit	2491	2091	1911	746	892	1728	2579	3573	4494	4274	3613	4209	4784	2910
34	1962 Federal Report Surplus Deficit	2458	2348	1758	521	1000	1319	2300	2598	2321	4326	4417	4226	4729	2443
35	1963 Federal Report Surplus Deficit	2240	2111	1933	1197	2145	2906	2739	2858	3762	2933	3331	4166	4355	3020
36	1964 Federal Report Surplus Deficit	2352	2215	2213	479	602	1654	1643	1371	2385	4256	3476	4295	4977	3812
37	1965 Federal Report Surplus Deficit	2522	2930	2721	1720	1815	3418	3553	4254	4498	4007	4480	4379	4592	3228
38	1966 Federal Report Surplus Deficit	2519	2912	1752	1006	1437	1860	2185	1978	2422	4300	3748	4035	4101	3081
39	1967 Federal Report Surplus Deficit	2515	2176	1930	441	740	1885	3231	4015	4556	3509	1996	4212	4850	3452
40	1968 Federal Report Surplus Deficit	2556	2797	2074	696	1522	1868	2987	3237	4241	2640	2750	3861	4461	3171
41	1969 Federal Report Surplus Deficit	2555	2750	3182	1839	2833	2604	3418	4041	4437	4494	4450	4340	4677	3204
42	1970 Federal Report Surplus Deficit	2502	2713	2097	707	1239	1239	2420	2556	3637	3633	2502	4088	4746	2859
43	1971 Federal Report Surplus Deficit	2002	1810	1861	429	867	1432	3512	4121	4779	4656	4456	4397	4903	3789
44	1972 Federal Report Surplus Deficit	2687	3055	2525	1069	1068	2144	3481	4047	4658	4726	4389	4478	4936	3769
45	1973 Federal Report Surplus Deficit	2544	2921	3068	978	1158	1862	2351	1607	1820	-331	2232	3855	2803	2509
46	1974 Federal Report Surplus Deficit	2054	1258	1513	633	376	2725	3552	3875	4529	4441	4665	4415	5021	4053
47	1975 Federal Report Surplus Deficit	2538	2948	2877	340	1035	1498	2112	3218	4353	3195	3652	4369	4932	4195
48	1976 Federal Report Surplus Deficit	2568	2914	2511	2067	3105	3633	3367	4206	4621	4551	4546	4382	4689	3627
49	1977 Federal Report Surplus Deficit	2775	3037	4266	1084	1090	757	538	794	1606	-320	2559	3319	190	2403
50	1978 Federal Report Surplus Deficit	1864	1100	1679	144	289	2408	2207	2777	4066	4617	3957	4188	4115	3256
51	1979 Federal Report Surplus Deficit	2268	2089	2638	1220	1160	1334	1908	571	3862	2783	3556	4179	3306	2312
52	1980 Federal Report Surplus Deficit	1663	1431	1935	643	1002	781	1449	1196	1663	3511	3988	4148	4453	2615
53	1981 Federal Report Surplus Deficit	2075	1520	1911	799	993	3095	2908	3417	4004	1509	3580	4054	4708	3223
54	1982 Federal Report Surplus Deficit	2614	3034	2464	690	1424	2300	3007	4203	4751	4618	4364	4368	5044	3638

Federal Report Surplus Deficit By Water Year

Operating Year 2017

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2663	3058	3575	1886	1579	2542	3223	4147	4857	4508	4017	4272	4633	3572
56	1984 Federal Report Surplus Deficit	2528	2940	2386	807	3279	2518	2914	3773	4500	4437	4320	4258	4945	3548
57	1985 Federal Report Surplus Deficit	2684	2898	2382	879	1438	1863	1867	1902	3407	4290	4233	4280	3971	2087
58	1986 Federal Report Surplus Deficit	1439	1025	1846	1470	2652	1863	2432	3736	4569	4357	4196	4010	4576	2836
59	1987 Federal Report Surplus Deficit	2407	1948	1776	400	820	1961	1679	374	3571	2198	3057	3880	3647	2445
60	1988 Federal Report Surplus Deficit	1548	1040	1753	477	876	764	5.69	-225	1594	1532	3233	3902	3028	2822
61	1989 Federal Report Surplus Deficit	2100	1685	1835	463	530	1728	534	534	3323	4250	4347	4202	4016	2336
62	1990 Federal Report Surplus Deficit	1785	1628	1888	583	1360	2109	2584	3121	4207	3773	4431	4114	4724	2923
63	1991 Federal Report Surplus Deficit	2588	2733	1937	232	3109	2777	3034	3690	4276	4259	3889	4261	4557	3404
64	1992 Federal Report Surplus Deficit	2586	3001	1991	352	941	1160	1300	456	3512	1499	2562	3798	2220	2405
65	1993 Federal Report Surplus Deficit	1633	1038	1484	596	895	1270	24.7	-357	2743	2166	3425	4013	4231	2709
66	1994 Federal Report Surplus Deficit	2312	2188	2011	485	1478	1156	112	498	1284	841	2969	3786	3558	2658
67	1995 Federal Report Surplus Deficit	2010	1359	1567	373	442	1312	755	3525	4510	3339	3171	4034	4554	2998
68	1996 Federal Report Surplus Deficit	2307	2119	2219	2150	3176	3272	3476	4352	4630	4537	4582	4328	4764	3627
69	1997 Federal Report Surplus Deficit	2604	3022	2043	552	1288	2507	3618	3941	4698	4413	4748	4368	4903	3732
70	1998 Federal Report Surplus Deficit	2658	3052	3343	3629	2746	2364	1979	2732	3320	2658	3622	3983	4695	3094
71	1999 Federal Report Surplus Deficit	2689	2769	2033	542	484	2173	3386	4026	4728	4306	4387	4381	4973	3749
72	2000 Federal Report Surplus Deficit	2734	3103	2818	862	3276	2942	2611	3110	4199	4505	4439	4177	4241	3030
73	2001 Federal Report Surplus Deficit	2549	1494	1895	592	948	899	579	652	1650	213	2763	3804	-234	2493
74	2002 Federal Report Surplus Deficit	1722	1187	1768	52.6	428	1479	533	914	2391	3839	4257	4008	4632	3468
75	2003 Federal Report Surplus Deficit	2615	2439	1984	176	1335	1075	151	476	4196	3741	3517	3773	4599	2430
76	2004 Federal Report Surplus Deficit	1547	1133	1717	744	1121	2102	687	185	3575	3286	3335	3920	4049	2390
77	2005 Federal Report Surplus Deficit	1666	1542	2620	880	1122	2150	1917	2071	2588	1435	2939	3765	4161	2655
78	2006 Federal Report Surplus Deficit	2348	1791	2001	636	1096	1727	2722	3316	4175	4498	4514	4248	4636	2867
79	2007 Federal Report Surplus Deficit	2503	1402	1844	222	1388	1800	2637	1899	4635	4234	3853	4124	3988	3067
80	2008 Federal Report Surplus Deficit	2145	1482	1730	754	899	1416	1334	1469	2756	3246	2318	4234	4967	3262

Ranked Averages

81	**Bottom 10 pct**	**1613**	**1234**	**1810**	**819**	**1249**	**1448**	**893**	**940**	**2829**	**2552**	**2917**	**3999**	**4007**	**2614**
82	**Middle 80 pct**	**2336**	**2219**	**2068**	**858**	**1326**	**1940**	**2115**	**2439**	**3654**	**3454**	**3740**	**4139**	**4214**	**3061**
83	**Top 10 pct**	**2693**	**2996**	**3144**	**1351**	**1742**	**2075**	**2304**	**2728**	**3578**	**3392**	**3858**	**4123**	**4065**	**3213**

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2294	2635	1778	591	879	687	830	537	1109	162	2275	4494	4315	2103
2	1930 Federal Report Surplus Deficit	1873	1746	1796	516	899	776	-14.1	713	1227	935	2716	4514	1968	2667
3	1931 Federal Report Surplus Deficit	2053	1624	1308	435	1131	705	-403	-498	952	1495	885	4711	3197	2505
4	1932 Federal Report Surplus Deficit	2126	1420	1574	-5.14	234	715	-770	-666	3248	4173	3909	5093	5448	2717
5	1933 Federal Report Surplus Deficit	2450	2432	1982	626	299	1188	2758	3158	3943	3636	3354	5128	5679	3637
6	1934 Federal Report Surplus Deficit	2390	2980	1932	1599	3099	3344	3697	3986	4374	4087	3976	4800	4550	2670
7	1935 Federal Report Surplus Deficit	1789	1521	1288	589	167	1457	2543	2830	3927	2782	2842	4958	4604	3085
8	1936 Federal Report Surplus Deficit	2493	2345	1767	414	730	724	321	-50.4	1613	1985	3732	4882	5081	2526
9	1937 Federal Report Surplus Deficit	2146	1580	1655	395	1117	699	131	-369	981	846	988	4806	3530	2454
10	1938 Federal Report Surplus Deficit	1940	1447	1609	619	350	1734	2204	2177	4486	4167	4204	5151	5269	2913
11	1939 Federal Report Surplus Deficit	2152	1845	1892	702	660	740	1350	1195	2880	3059	3519	4969	3304	2513
12	1940 Federal Report Surplus Deficit	1606	1333	1438	827	1234	1645	1205	397	4404	3446	2992	4846	3770	2497
13	1941 Federal Report Surplus Deficit	1872	1241	1370	625	640	1534	572	407	1564	1022	1875	4516	3541	2600
14	1942 Federal Report Surplus Deficit	1902	1504	1405	449	1505	1821	2197	1576	3182	2104	3210	4650	4786	3175
15	1943 Federal Report Surplus Deficit	2318	2273	2212	723	173	1305	2803	3509	4353	4454	4149	4993	5648	3034
16	1944 Federal Report Surplus Deficit	2328	2392	1771	267	840	648	858	604	1028	203	2263	4248	1837	2351
17	1945 Federal Report Surplus Deficit	1630	1240	1307	610	828	567	-156	334	1193	177	-1623	5006	5087	2318
18	1946 Federal Report Surplus Deficit	2245	1984	1783	362	578	1650	2257	2433	4089	4125	4140	5173	5298	3108
19	1947 Federal Report Surplus Deficit	2467	2691	1928	244	913	3129	3396	3885	4487	3930	3529	5041	5152	3181
20	1948 Federal Report Surplus Deficit	2301	2187	1875	3277	2717	2348	3439	3281	3801	3788	4031	5109	5414	3483
21	1949 Federal Report Surplus Deficit	2417	2953	2666	622	779	1339	2206	1677	4519	4219	4044	5046	5164	2252
22	1950 Federal Report Surplus Deficit	1660	1251	1631	426	722	1344	3367	3822	4546	4461	4008	5246	5720	3436
23	1951 Federal Report Surplus Deficit	2476	3007	2009	1515	2970	3214	3732	4203	4575	4468	4108	5132	5138	3425
24	1952 Federal Report Surplus Deficit	2550	2962	1976	2745	1912	2361	3218	3294	4345	4470	4177	5068	5268	3026
25	1953 Federal Report Surplus Deficit	2256	2108	1631	258	531	769	2379	2119	3453	2831	3114	5064	5584	3360
26	1954 Federal Report Surplus Deficit	2398	2509	1901	498	1097	1938	3147	3793	4384	4024	3697	5137	5421	3838
27	1955 Federal Report Surplus Deficit	2574	2948	4021	705	2123	1595	1555	976	1696	2211	2795	4900	5517	3974
28	1956 Federal Report Surplus Deficit	2388	2871	1765	908	2622	3145	3698	4135	4346	4178	4355	5194	5495	3463
29	1957 Federal Report Surplus Deficit	2431	2924	1898	812	727	2014	2392	1381	4063	4200	3459	4923	5380	3044
30	1958 Federal Report Surplus Deficit	2392	2046	1777	508	933	1095	2655	2661	3877	3777	3790	5013	5277	2795
31	1959 Federal Report Surplus Deficit	2071	2165	1732	649	1520	2904	3612	4006	4345	4174	3659	4986	5594	3092
32	1960 Federal Report Surplus Deficit	2535	3004	3935	3643	3099	2737	2966	2203	3952	4140	3913	5052	5279	2942
33	1961 Federal Report Surplus Deficit	2407	2047	1720	594	759	1507	2789	3483	4344	4020	3184	5015	5407	2873
34	1962 Federal Report Surplus Deficit	2374	2303	1566	368	867	1098	2510	2508	2171	4079	3977	5034	5374	2407
35	1963 Federal Report Surplus Deficit	2156	2067	1742	1044	2012	2685	2949	2769	3613	2679	2904	4979	5009	2976
36	1964 Federal Report Surplus Deficit	2268	2171	2022	326	469	1432	1853	1281	2235	4000	3043	5103	5597	3782
37	1965 Federal Report Surplus Deficit	2438	2886	2530	1568	1683	3197	3762	4163	4347	3747	4053	5185	5225	3192
38	1966 Federal Report Surplus Deficit	2435	2867	1560	853	1304	1639	2395	1888	2271	4047	3310	4842	4750	3045
39	1967 Federal Report Surplus Deficit	2431	2131	1738	288	607	1664	3442	3924	4406	3254	1566	5033	5484	3415
40	1968 Federal Report Surplus Deficit	2472	2753	1883	543	1389	1646	3198	3148	4091	2386	2322	4668	5077	3136
41	1969 Federal Report Surplus Deficit	2472	2706	2991	1687	2701	2383	3629	3950	4286	4225	4024	5145	5316	3167
42	1970 Federal Report Surplus Deficit	2419	2668	1906	555	1106	1017	2631	2467	3487	3379	2074	4896	5381	2782
43	1971 Federal Report Surplus Deficit	1918	1766	1669	276	734	1210	3721	4031	4630	4391	4015	5200	5499	3742
44	1972 Federal Report Surplus Deficit	2603	3010	2333	916	935	1923	3692	3956	4507	4456	3953	5289	5548	3735
45	1973 Federal Report Surplus Deficit	2460	2876	2877	826	1025	1640	2561	1517	1669	-587	1805	4661	3456	2473
46	1974 Federal Report Surplus Deficit	1970	1213	1321	480	242	2504	3763	3786	4378	4172	4225	5188	5661	3985
47	1975 Federal Report Surplus Deficit	2454	2904	2686	187	902	1276	2323	3128	4203	2942	3226	5176	5557	4153
48	1976 Federal Report Surplus Deficit	2484	2869	2319	1915	2973	3410	3578	4115	4472	4299	4119	5190	5327	3591
49	1977 Federal Report Surplus Deficit	2691	2992	4074	932	957	535	748	703	1455	-576	2132	4127	842	2366
50	1978 Federal Report Surplus Deficit	1780	1056	1488	-8.62	155	2187	2418	2687	3916	4364	3542	5000	4768	3219
51	1979 Federal Report Surplus Deficit	2185	2044	2447	1067	1027	1112	2118	480	3713	2529	3129	4988	3959	2276
52	1980 Federal Report Surplus Deficit	1580	1386	1744	490	869	559	1659	1106	1513	3245	3557	4953	5094	2553
53	1981 Federal Report Surplus Deficit	1991	1475	1720	646	860	2874	3119	3327	3855	1253	3153	4865	5334	3186
54	1982 Federal Report Surplus Deficit	2530	2989	2273	537	1291	2079	3218	4112	4606	4358	3925	5173	5669	3599

Federal Report Surplus Deficit By Water Year

Operating Year 2018

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2579	3013	3383	1734	1446	2320	3434	4058	4705	4257	3594	5086	5283	3534
56	1984 Federal Report Surplus Deficit	2445	2895	2194	655	3147	2297	3125	3683	4349	4192	3886	5064	5571	3509
57	1985 Federal Report Surplus Deficit	2600	2853	2191	726	1305	1642	2077	1812	3257	4034	3804	5087	4626	2050
58	1986 Federal Report Surplus Deficit	1356	980	1654	1318	2519	1641	2642	3647	4415	4102	3764	4817	5218	2799
59	1987 Federal Report Surplus Deficit	2323	1903	1584	247	687	1739	1889	283	3421	1944	2630	4689	4300	2409
60	1988 Federal Report Surplus Deficit	1464	995	1562	324	743	542	215	-316	1443	1277	2806	4710	3681	2786
61	1989 Federal Report Surplus Deficit	2016	1640	1644	310	397	1506	744	443	3173	3984	3917	5010	4669	2300
62	1990 Federal Report Surplus Deficit	1701	1584	1697	430	1227	1888	2794	3032	4058	3515	4004	4920	5368	2886
63	1991 Federal Report Surplus Deficit	2504	2689	1745	79.1	2977	2556	3244	3601	4126	4005	3462	5068	5206	3365
64	1992 Federal Report Surplus Deficit	2503	2956	1800	199	807	938	1509	366	3362	1246	2136	4606	2872	2368
65	1993 Federal Report Surplus Deficit	1550	993	1292	443	762	1049	234	-448	2593	1912	2999	4822	4884	2672
66	1994 Federal Report Surplus Deficit	2228	2143	1820	332	1345	934	321	408	1133	586	2542	4594	4212	2622
67	1995 Federal Report Surplus Deficit	1926	1315	1376	220	308	1091	965	3436	4363	3082	2741	4843	5209	2920
68	1996 Federal Report Surplus Deficit	2223	2075	2028	1998	3044	3051	3685	4261	4476	4287	4156	5137	5392	3589
69	1997 Federal Report Surplus Deficit	2520	2978	1852	399	1155	2286	3827	3852	4547	4144	4316	5176	5523	3689
70	1998 Federal Report Surplus Deficit	2575	3008	3152	3478	2614	2143	2189	2642	3170	2402	3194	4794	5342	3059
71	1999 Federal Report Surplus Deficit	2605	2724	1842	389	350	1951	3597	3935	4577	4042	3953	5186	5573	3701
72	2000 Federal Report Surplus Deficit	2650	3058	2627	709	3144	2721	2822	3021	4049	4250	4010	4983	4893	2994
73	2001 Federal Report Surplus Deficit	2465	1449	1704	439	815	677	788	562	1499	-42.6	2336	4613	417	2457
74	2002 Federal Report Surplus Deficit	1638	1142	1576	-100	294	1257	743	823	2240	3584	3830	4817	5282	3431
75	2003 Federal Report Surplus Deficit	2531	2395	1792	23.0	1202	853	360	386	4046	3487	3090	4582	5244	2394
76	2004 Federal Report Surplus Deficit	1463	1089	1525	591	988	1881	896	93.7	3425	3032	2907	4728	4701	2354
77	2005 Federal Report Surplus Deficit	1583	1497	2429	727	989	1929	2127	1981	2437	1180	2511	4570	4811	2619
78	2006 Federal Report Surplus Deficit	2264	1746	1810	483	963	1506	2933	3226	4027	4249	4080	5054	5255	2830
79	2007 Federal Report Surplus Deficit	2419	1357	1652	69.4	1255	1579	2848	1809	4485	3979	3424	4935	4639	3031
80	2008 Federal Report Surplus Deficit	2062	1437	1539	601	766	1194	1543	1379	2606	2993	1892	5039	5578	3227

Ranked Averages

81	**Bottom 10 pct**	**1529**	**1189**	**1619**	**666**	**1116**	**1227**	**1103**	**849**	**2678**	**2296**	**2489**	**4807**	**4656**	**2575**
82	**Middle 80 pct**	**2252**	**2174**	**1877**	**705**	**1193**	**1718**	**2325**	**2349**	**3504**	**3198**	**3312**	**4947**	**4852**	**3022**
83	**Top 10 pct**	**2610**	**2951**	**2953**	**1199**	**1609**	**1854**	**2514**	**2638**	**3427**	**3135**	**3429**	**4932**	**4703**	**3177**

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2013 White Book Report Date: **10/1/2013**

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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	2307	2640	1891	608	1007	916	963	604	1097	262	2377	3641	3430	1934
2	1930 Federal Report Surplus Deficit	1886	1752	1910	532	1027	1006	118	780	1216	1033	2817	3661	1085	2498
3	1931 Federal Report Surplus Deficit	2066	1629	1422	451	1259	934	-270	-431	941	1595	987	3857	2314	2336
4	1932 Federal Report Surplus Deficit	2139	1425	1688	11.4	362	944	-637	-598	3236	4275	4006	4238	4581	2548
5	1933 Federal Report Surplus Deficit	2463	2437	2096	643	427	1417	2891	3225	3932	3734	3455	4273	4825	3466
6	1934 Federal Report Surplus Deficit	2403	2986	2046	1615	3226	3573	3830	4051	4362	4193	4074	3947	3669	2501
7	1935 Federal Report Surplus Deficit	1802	1526	1402	605	295	1686	2676	2897	3916	2881	2942	4101	3717	2916
8	1936 Federal Report Surplus Deficit	2506	2351	1881	431	858	954	454	17.4	1602	2077	3833	4037	4217	2358
9	1937 Federal Report Surplus Deficit	2160	1585	1769	412	1245	928	263	-301	969	946	1090	3951	2645	2285
10	1938 Federal Report Surplus Deficit	1953	1452	1722	636	477	1963	2337	2245	4473	4256	4303	4305	4392	2747
11	1939 Federal Report Surplus Deficit	2166	1850	2006	718	788	970	1483	1263	2868	3152	3618	4114	2422	2344
12	1940 Federal Report Surplus Deficit	1619	1338	1552	844	1362	1874	1337	465	4391	3542	3090	3990	2888	2328
13	1941 Federal Report Surplus Deficit	1885	1246	1484	641	768	1763	704	475	1553	1121	1976	3662	2659	2431
14	1942 Federal Report Surplus Deficit	1915	1510	1518	465	1633	2050	2330	1644	3172	2201	3311	3798	3909	3005
15	1943 Federal Report Surplus Deficit	2331	2279	2327	740	301	1535	2935	3577	4336	4543	4228	4136	4799	2866
16	1944 Federal Report Surplus Deficit	2341	2397	1884	284	968	877	990	671	1017	302	2365	3394	954	2182
17	1945 Federal Report Surplus Deficit	1643	1245	1421	626	956	797	-23.6	402	1182	276	-1521	4146	4194	2149
18	1946 Federal Report Surplus Deficit	2258	1989	1896	379	706	1879	2390	2501	4075	4204	4234	4323	4425	2939
19	1947 Federal Report Surplus Deficit	2480	2697	2042	260	1041	3358	3529	3952	4475	4026	3627	4183	4279	3013
20	1948 Federal Report Surplus Deficit	2314	2192	1989	3293	2845	2578	3571	3349	3790	3882	4132	4256	4544	3312
21	1949 Federal Report Surplus Deficit	2431	2959	2781	639	907	1568	2339	1744	4508	4319	4146	4195	4287	2083
22	1950 Federal Report Surplus Deficit	1673	1256	1745	442	850	1573	3499	3887	4533	4558	4094	4390	4856	3265
23	1951 Federal Report Surplus Deficit	2490	3013	2123	1531	3098	3444	3862	4268	4562	4566	4203	4283	4266	3254
24	1952 Federal Report Surplus Deficit	2564	2968	2090	2761	2040	2591	3351	3361	4334	4570	4279	4211	4378	2858
25	1953 Federal Report Surplus Deficit	2270	2114	1745	274	658	998	2511	2186	3442	2927	3213	4211	4708	3189
26	1954 Federal Report Surplus Deficit	2411	2515	2015	514	1225	2167	3279	3861	4374	4117	3793	4286	4541	3652
27	1955 Federal Report Surplus Deficit	2587	2954	4137	722	2251	1824	1688	1044	1685	2310	2896	4046	4660	3786
28	1956 Federal Report Surplus Deficit	2401	2877	1879	925	2750	3374	3831	4200	4333	4275	4455	4344	4666	3294
29	1957 Federal Report Surplus Deficit	2444	2930	2012	829	855	2243	2525	1449	4052	4301	3557	4067	4521	2875
30	1958 Federal Report Surplus Deficit	2406	2052	1891	524	1061	1324	2788	2729	3864	3863	3884	4160	4406	2626
31	1959 Federal Report Surplus Deficit	2084	2171	1846	665	1647	3134	3745	4073	4332	4270	3753	4132	4714	2924
32	1960 Federal Report Surplus Deficit	2548	3010	4050	3660	3227	2967	3098	2271	3940	4239	4016	4199	4402	2773
33	1961 Federal Report Surplus Deficit	2420	2052	1833	610	887	1736	2922	3551	4332	4118	3282	4165	4540	2705
34	1962 Federal Report Surplus Deficit	2387	2309	1680	384	995	1327	2642	2576	2159	4180	4070	4176	4495	2238
35	1963 Federal Report Surplus Deficit	2169	2072	1856	1061	2140	2914	3082	2837	3601	2778	3005	4126	4125	2808
36	1964 Federal Report Surplus Deficit	2282	2176	2136	342	597	1662	1986	1349	2223	4100	3145	4250	4749	3600
37	1965 Federal Report Surplus Deficit	2452	2892	2644	1585	1811	3427	3891	4228	4334	3825	4152	4331	4352	3021
38	1966 Federal Report Surplus Deficit	2449	2873	1674	870	1432	1868	2528	1956	2259	4148	3391	3986	3866	2875
39	1967 Federal Report Surplus Deficit	2444	2137	1852	304	734	1893	3574	3989	4393	3355	1670	4169	4623	3247
40	1968 Federal Report Surplus Deficit	2485	2759	1997	560	1517	1875	3330	3215	4080	2484	2424	3815	4220	2967
41	1969 Federal Report Surplus Deficit	2485	2712	3105	1703	2828	2612	3762	4015	4273	4323	4106	4282	4415	2999
42	1970 Federal Report Surplus Deficit	2432	2674	2020	571	1234	1246	2763	2534	3474	3477	2172	4040	4507	2613
43	1971 Federal Report Surplus Deficit	1931	1771	1783	292	862	1439	3851	4095	4618	4494	4121	4351	4679	3566
44	1972 Federal Report Surplus Deficit	2617	3016	2447	933	1063	2152	3824	4021	4493	4554	4030	4430	4652	3538
45	1973 Federal Report Surplus Deficit	2473	2882	2991	842	1153	1869	2693	1584	1657	-487	1905	3807	2572	2304
46	1974 Federal Report Surplus Deficit	1983	1218	1435	497	370	2734	3895	3854	4365	4271	4318	4381	4778	3791
47	1975 Federal Report Surplus Deficit	2468	2910	2800	204	1030	1506	2455	3196	4190	3031	3320	4320	4687	3963
48	1976 Federal Report Surplus Deficit	2497	2875	2433	1931	3101	3637	3711	4180	4461	4402	4216	4334	4444	3418
49	1977 Federal Report Surplus Deficit	2705	2998	4190	948	1084	764	880	771	1444	-476	2234	3274	-41.4	2197
50	1978 Federal Report Surplus Deficit	1793	1061	1602	7.89	283	2416	2550	2755	3905	4464	3636	4144	3885	3051
51	1979 Federal Report Surplus Deficit	2198	2049	2561	1084	1155	1341	2251	548	3701	2628	3231	4138	3078	2107
52	1980 Federal Report Surplus Deficit	1592	1391	1858	506	997	788	1791	1174	1501	3343	3658	4099	4214	2424
53	1981 Federal Report Surplus Deficit	2004	1481	1834	663	988	3103	3252	3395	3843	1349	3254	4008	4459	3017
54	1982 Federal Report Surplus Deficit	2544	2995	2387	553	1419	2308	3350	4177	4593	4451	4016	4323	4800	3430

Federal Report Surplus Deficit By Water Year

Operating Year 2019

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2593	3019	3498	1750	1574	2550	3567	4125	4697	4350	3683	4231	4420	3359
56	1984 Federal Report Surplus Deficit	2458	2901	2308	671	3275	2527	3257	3751	4337	4292	3988	4214	4699	3344
57	1985 Federal Report Surplus Deficit	2613	2859	2305	742	1433	1871	2210	1880	3245	4127	3903	4235	3744	1881
58	1986 Federal Report Surplus Deficit	1369	985	1768	1335	2647	1871	2775	3715	4411	4203	3869	3964	4344	2631
59	1987 Federal Report Surplus Deficit	2336	1908	1698	264	815	1969	2021	351	3408	2042	2731	3832	3417	2240
60	1988 Federal Report Surplus Deficit	1477	1000	1676	341	871	771	347	-248	1432	1375	2907	3856	2798	2617
61	1989 Federal Report Surplus Deficit	2030	1646	1757	327	525	1735	876	511	3162	4077	4016	4157	3787	2131
62	1990 Federal Report Surplus Deficit	1714	1589	1811	446	1355	2117	2927	3099	4046	3610	4106	4067	4488	2717
63	1991 Federal Report Surplus Deficit	2518	2695	1859	95.6	3105	2785	3377	3669	4115	4105	3564	4214	4317	3188
64	1992 Federal Report Surplus Deficit	2516	2962	1914	216	935	1167	1642	433	3350	1345	2237	3752	1989	2199
65	1993 Federal Report Surplus Deficit	1563	998	1406	460	890	1278	366	-380	2581	2007	3098	3966	3998	2503
66	1994 Federal Report Surplus Deficit	2241	2149	1934	349	1473	1163	454	475	1121	686	2644	3741	3329	2453
67	1995 Federal Report Surplus Deficit	1939	1320	1490	237	436	1320	1097	3503	4344	3181	2843	3988	4319	2793
68	1996 Federal Report Surplus Deficit	2236	2080	2142	2014	3172	3281	3815	4326	4465	4404	4264	4291	4555	3420
69	1997 Federal Report Surplus Deficit	2533	2984	1966	416	1283	2515	3957	3919	4533	4242	4415	4322	4654	3493
70	1998 Federal Report Surplus Deficit	2588	3014	3267	3494	2742	2372	2322	2710	3158	2499	3294	3943	4474	2889
71	1999 Federal Report Surplus Deficit	2619	2730	1956	405	478	2181	3730	4000	4564	4144	4056	4326	4711	3530
72	2000 Federal Report Surplus Deficit	2663	3064	2741	726	3272	2951	2954	3089	4037	4349	4110	4131	4011	2825
73	2001 Federal Report Surplus Deficit	2479	1455	1818	455	943	906	921	630	1488	56.0	2437	3760	-466	2288
74	2002 Federal Report Surplus Deficit	1651	1147	1690	-84.0	422	1486	875	891	2229	3679	3931	3964	4405	3256
75	2003 Federal Report Surplus Deficit	2545	2400	1906	39.5	1330	1082	492	453	4035	3586	3192	3728	4369	2225
76	2004 Federal Report Surplus Deficit	1476	1094	1639	608	1116	2110	1029	161	3414	3131	3008	3874	3819	2183
77	2005 Federal Report Surplus Deficit	1596	1502	2543	743	1117	2158	2260	2048	2426	1279	2614	3718	3928	2450
78	2006 Federal Report Surplus Deficit	2277	1751	1924	500	1091	1735	3066	3294	4015	4349	4179	4198	4400	2662
79	2007 Federal Report Surplus Deficit	2432	1362	1766	85.9	1383	1808	2980	1877	4473	4078	3525	4080	3758	2862
80	2008 Federal Report Surplus Deficit	2075	1442	1652	618	894	1424	1676	1446	2594	3092	1993	4189	4722	3058

Ranked Averages

81	**Bottom 10 pct**	**1542**	**1194**	**1733**	**683**	**1244**	**1456**	**1235**	**917**	**2667**	**2394**	**2590**	**3952**	**3773**	**2411**
82	**Middle 80 pct**	**2265**	**2180**	**1991**	**722**	**1321**	**1948**	**2458**	**2416**	**3492**	**3295**	**3410**	**4094**	**3979**	**2852**
83	**Top 10 pct**	**2623**	**2957**	**3068**	**1215**	**1737**	**2083**	**2647**	**2705**	**3415**	**3232**	**3526**	**4077**	**3829**	**3001**

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Operating Year 2020

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2265	2575	1710	436	750	651	710	515	862	47.1	2163	4395	4035	1809
2	1930 Federal Report Surplus Deficit	1843	1687	1729	360	770	740	-135	692	980	820	2604	4416	1692	2373
3	1931 Federal Report Surplus Deficit	2023	1565	1240	279	1001	668	-523	-519	706	1380	772	4612	2921	2211
4	1932 Federal Report Surplus Deficit	2096	1360	1506	-161	105	679	-891	-687	3001	4060	3792	4989	5161	2423
5	1933 Federal Report Surplus Deficit	2421	2372	1914	471	169	1151	2638	3137	3697	3520	3241	5029	5404	3338
6	1934 Federal Report Surplus Deficit	2360	2921	1864	1443	2969	3308	3576	3962	4127	3981	3858	4700	4275	2376
7	1935 Federal Report Surplus Deficit	1760	1462	1220	433	38.2	1421	2422	2809	3680	2666	2728	4849	4322	2790
8	1936 Federal Report Surplus Deficit	2464	2286	1699	259	600	688	201	-71.5	1367	1864	3619	4778	4777	2232
9	1937 Federal Report Surplus Deficit	2117	1520	1588	240	988	662	10.2	-390	734	728	874	4705	3251	2160
10	1938 Federal Report Surplus Deficit	1911	1387	1541	464	220	1698	2084	2156	4234	4034	4086	5029	4956	2620
11	1939 Federal Report Surplus Deficit	2123	1785	1825	546	530	704	1230	1174	2633	2945	3407	4865	3027	2219
12	1940 Federal Report Surplus Deficit	1576	1273	1370	672	1105	1609	1084	376	4153	3327	2875	4742	3492	2203
13	1941 Federal Report Surplus Deficit	1842	1182	1302	470	511	1497	451	386	1317	902	1759	4414	3265	2305
14	1942 Federal Report Surplus Deficit	1872	1445	1337	293	1376	1784	2077	1555	2936	1988	3098	4549	4504	2879
15	1943 Federal Report Surplus Deficit	2288	2214	2145	568	43.9	1269	2682	3488	4104	4328	4014	4878	5338	2739
16	1944 Federal Report Surplus Deficit	2299	2332	1703	112	711	612	737	583	782	86.0	2150	4150	1561	2057
17	1945 Federal Report Surplus Deficit	1601	1181	1240	454	699	531	-277	313	947	61.2	-1735	4897	4788	2024
18	1946 Federal Report Surplus Deficit	2216	1925	1715	207	449	1613	2137	2412	3843	4013	4029	5066	4996	2813
19	1947 Federal Report Surplus Deficit	2437	2632	1860	88.2	784	3092	3276	3864	4239	3805	3404	4932	4850	2887
20	1948 Federal Report Surplus Deficit	2271	2127	1807	3121	2588	2312	3318	3260	3555	3664	3916	5011	5109	3185
21	1949 Federal Report Surplus Deficit	2388	2894	2599	467	650	1302	2086	1656	4272	4107	3933	4947	4867	1902
22	1950 Federal Report Surplus Deficit	1630	1191	1563	270	593	1307	3246	3798	4296	4345	3887	5136	5405	3139
23	1951 Federal Report Surplus Deficit	2447	2948	1941	1359	2841	3178	3606	4179	4325	4349	3981	5032	4853	3125
24	1952 Federal Report Surplus Deficit	2521	2903	1909	2589	1783	2325	3098	3273	4099	4335	4045	4962	4952	2733
25	1953 Federal Report Surplus Deficit	2227	2049	1564	102	401	733	2258	2098	3206	2717	3003	4962	5270	3062
26	1954 Federal Report Surplus Deficit	2368	2450	1834	343	968	1901	3026	3772	4138	3903	3579	5036	5125	3535
27	1955 Federal Report Surplus Deficit	2544	2889	3955	550	1994	1558	1434	955	1450	2094	2681	4799	5214	3659
28	1956 Federal Report Surplus Deficit	2359	2812	1697	753	2493	3108	3577	4111	4095	4059	4235	5091	5217	3164
29	1957 Federal Report Surplus Deficit	2402	2865	1831	657	598	1977	2272	1360	3819	4086	3340	4824	5109	2750
30	1958 Federal Report Surplus Deficit	2363	1987	1710	353	804	1058	2534	2640	3630	3661	3677	4911	4978	2501
31	1959 Federal Report Surplus Deficit	2042	2106	1664	493	1390	2868	3492	3985	4099	4055	3538	4884	5295	2798
32	1960 Federal Report Surplus Deficit	2506	2945	3869	3488	2970	2701	2845	2182	3705	4046	3786	4952	4987	2648
33	1961 Federal Report Surplus Deficit	2378	1987	1652	438	630	1471	2669	3462	4097	3904	3071	4918	5130	2580
34	1962 Federal Report Surplus Deficit	2344	2244	1499	212	738	1061	2389	2487	1924	3965	3857	4925	5071	2113
35	1963 Federal Report Surplus Deficit	2127	2007	1674	889	1883	2649	2829	2748	3366	2563	2791	4872	4717	2682
36	1964 Federal Report Surplus Deficit	2239	2111	1954	171	340	1396	1733	1260	1988	3887	2934	5000	5304	3478
37	1965 Federal Report Surplus Deficit	2409	2827	2463	1413	1554	3161	3636	4139	4097	3637	3942	5085	4952	2897
38	1966 Federal Report Surplus Deficit	2406	2808	1493	698	1175	1602	2275	1867	2025	3933	3177	4737	4462	2749
39	1967 Federal Report Surplus Deficit	2401	2072	1671	132	477	1627	3321	3900	4156	3138	1452	4904	5138	3104
40	1968 Federal Report Surplus Deficit	2443	2694	1815	388	1260	1610	3077	3127	3844	2271	2209	4568	4784	2841
41	1969 Federal Report Surplus Deficit	2442	2647	2924	1532	2571	2346	3509	3926	4036	4106	3908	5043	5010	2873
42	1970 Federal Report Surplus Deficit	2389	2609	1838	399	976	981	2510	2446	3239	3262	1958	4787	5056	2487
43	1971 Federal Report Surplus Deficit	1888	1706	1602	120	605	1174	3595	4006	4384	4283	3911	5094	5229	3422
44	1972 Federal Report Surplus Deficit	2574	2952	2266	761	806	1886	3571	3932	4257	4337	3832	5185	5237	3420
45	1973 Federal Report Surplus Deficit	2431	2817	2810	670	896	1604	2440	1496	1421	-702	1692	4558	3178	2179
46	1974 Federal Report Surplus Deficit	1940	1153	1254	325	113	2468	3642	3765	4127	4055	4104	5087	5371	3671
47	1975 Federal Report Surplus Deficit	2425	2845	2618	31.8	773	1240	2202	3107	3952	2819	3108	5067	5276	3844
48	1976 Federal Report Surplus Deficit	2454	2810	2252	1760	2844	3369	3457	4091	4225	4189	3999	5087	5025	3278
49	1977 Federal Report Surplus Deficit	2662	2933	4008	776	827	498	627	682	1209	-691	2020	4030	565	2072
50	1978 Federal Report Surplus Deficit	1751	996	1420	-164	26.1	2150	2297	2666	3668	4249	3419	4889	4488	2926
51	1979 Federal Report Surplus Deficit	2155	1984	2379	912	898	1076	1998	459	3465	2414	3017	4887	3684	1982
52	1980 Federal Report Surplus Deficit	1550	1326	1676	334	739	523	1538	1085	1266	3136	3447	4857	4820	2299
53	1981 Federal Report Surplus Deficit	1961	1416	1652	491	731	2837	2998	3306	3608	1138	3041	4762	5045	2893
54	1982 Federal Report Surplus Deficit	2501	2930	2205	382	1162	2042	3097	4088	4362	4234	3798	5066	5373	3306

Federal Report Surplus Deficit By Water Year

Operating Year 2020

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2550	2954	3317	1578	1317	2284	3313	4037	4461	4128	3456	4972	4957	3221
56	1984 Federal Report Surplus Deficit	2415	2836	2127	499	3018	2261	3004	3663	4101	4081	3769	4965	5295	3218
57	1985 Federal Report Surplus Deficit	2570	2794	2123	570	1176	1605	1957	1791	3010	3909	3686	4988	4339	1756
58	1986 Federal Report Surplus Deficit	1326	920	1587	1163	2390	1605	2522	3626	4182	3981	3642	4717	4927	2506
59	1987 Federal Report Surplus Deficit	2293	1843	1517	91.7	558	1703	1768	262	3174	1829	2518	4589	4022	2115
60	1988 Federal Report Surplus Deficit	1435	936	1494	169	614	505	94.2	-337	1197	1162	2694	4613	3404	2492
61	1989 Federal Report Surplus Deficit	1987	1581	1576	155	268	1470	623	422	2927	3866	3803	4911	4392	2006
62	1990 Federal Report Surplus Deficit	1672	1524	1629	275	1098	1852	2673	3011	3810	3387	3890	4823	5086	2592
63	1991 Federal Report Surplus Deficit	2475	2630	1678	-76.3	2848	2520	3124	3580	3880	3892	3353	4967	4911	3065
64	1992 Federal Report Surplus Deficit	2473	2897	1732	43.9	678	901	1389	344	3115	1131	2024	4509	2596	2074
65	1993 Federal Report Surplus Deficit	1520	933	1225	288	633	1012	113	-469	2346	1793	2884	4716	4604	2378
66	1994 Federal Report Surplus Deficit	2198	2084	1752	177	1216	898	200	387	886	470	2429	4496	3935	2328
67	1995 Federal Report Surplus Deficit	1896	1255	1308	64.9	179	1054	844	3415	4116	2965	2627	4741	4907	2625
68	1996 Federal Report Surplus Deficit	2194	2015	1960	1842	2915	3015	3559	4237	4234	4170	4044	5025	5085	3293
69	1997 Federal Report Surplus Deficit	2491	2919	1784	244	1026	2249	3701	3831	4296	4025	4202	5079	5264	3380
70	1998 Federal Report Surplus Deficit	2545	2949	3085	3323	2485	2107	2069	2621	2924	2270	3072	4692	5035	2765
71	1999 Federal Report Surplus Deficit	2576	2665	1774	233	221	1915	3477	3911	4326	3921	3836	5085	5294	3396
72	2000 Federal Report Surplus Deficit	2620	2999	2560	554	3015	2685	2701	3000	3802	4129	3889	4873	4597	2700
73	2001 Federal Report Surplus Deficit	2436	1390	1636	284	686	641	668	541	1252	-158	2223	4515	141	2163
74	2002 Federal Report Surplus Deficit	1609	1082	1508	-256	165	1221	622	802	1994	3468	3717	4718	4986	3136
75	2003 Federal Report Surplus Deficit	2502	2335	1724	-132	1073	816	239	365	3800	3372	2978	4481	4959	2100
76	2004 Federal Report Surplus Deficit	1433	1029	1457	436	859	1844	776	72.7	3178	2917	2795	4630	4425	2060
77	2005 Federal Report Surplus Deficit	1553	1437	2362	571	860	1892	2006	1960	2191	1066	2400	4472	4526	2325
78	2006 Federal Report Surplus Deficit	2234	1686	1742	328	834	1469	2812	3205	3779	4135	3961	4947	4954	2536
79	2007 Federal Report Surplus Deficit	2389	1298	1584	-86.0	1126	1542	2727	1788	4238	3864	3311	4833	4358	2736
80	2008 Federal Report Surplus Deficit	2032	1378	1471	446	637	1158	1423	1358	2359	2877	1778	4945	5313	2931

Ranked Averages

81	**Bottom 10 pct**	**1499**	**1129**	**1551**	**511**	**987**	**1190**	**982**	**828**	**2432**	**2181**	**2375**	**4705**	**4373**	**2286**
82	**Middle 80 pct**	**2223**	**2115**	**1809**	**550**	**1064**	**1682**	**2205**	**2327**	**3257**	**3081**	**3196**	**4843**	**4562**	**2725**
83	**Top 10 pct**	**2580**	**2892**	**2886**	**1043**	**1480**	**1817**	**2394**	**2616**	**3180**	**3012**	**3309**	**4828**	**4405**	**2874**

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2223	2534	1674	387	704	638	567	242	896	165	2353	3525	3127	1850
2	1930 Federal Report Surplus Deficit	1801	1645	1693	311	724	728	-278	418	1012	938	2794	3544	781	2415
3	1931 Federal Report Surplus Deficit	1981	1523	1205	230	956	656	-667	-793	739	1498	963	3742	2010	2252
4	1932 Federal Report Surplus Deficit	2054	1318	1471	-210	59.3	666	-1034	-961	3033	4177	3984	4120	4260	2465
5	1933 Federal Report Surplus Deficit	2379	2331	1879	422	124	1139	2494	2863	3730	3638	3431	4160	4519	3380
6	1934 Federal Report Surplus Deficit	2318	2879	1829	1394	2924	3295	3433	3685	4161	4091	4054	3833	3362	2418
7	1935 Federal Report Surplus Deficit	1718	1420	1185	384	-7.40	1408	2279	2535	3715	2784	2920	3988	3414	2832
8	1936 Federal Report Surplus Deficit	2422	2244	1664	209	555	675	57.3	-345	1400	1975	3809	3913	3873	2274
9	1937 Federal Report Surplus Deficit	2075	1478	1552	190	942	650	-133	-664	768	849	1066	3833	2342	2201
10	1938 Federal Report Surplus Deficit	1869	1345	1505	415	175	1685	1940	1882	4272	4168	4282	4191	4083	2662
11	1939 Federal Report Surplus Deficit	2081	1743	1789	497	485	691	1086	900	2666	3064	3598	3998	2115	2260
12	1940 Federal Report Surplus Deficit	1535	1231	1335	623	1059	1596	941	102	4188	3445	3067	3876	2583	2244
13	1941 Federal Report Surplus Deficit	1800	1140	1267	420	465	1485	308	112	1348	1022	1951	3544	2352	2347
14	1942 Federal Report Surplus Deficit	1830	1403	1301	244	1331	1772	1933	1281	2967	2104	3287	3681	3593	2919
15	1943 Federal Report Surplus Deficit	2247	2172	2110	519	-1.63	1257	2539	3214	4141	4454	4219	4025	4480	2781
16	1944 Federal Report Surplus Deficit	2257	2291	1667	62.9	666	599	594	309	816	206	2342	3279	650	2098
17	1945 Federal Report Surplus Deficit	1559	1139	1204	405	654	519	-420	39.0	981	178	-1544	4034	3890	2065
18	1946 Federal Report Surplus Deficit	2174	1883	1680	157	404	1601	1993	2138	3876	4142	4224	4208	4107	2854
19	1947 Federal Report Surplus Deficit	2396	2591	1825	39.0	738	3080	3133	3590	4274	3925	3599	4069	3956	2928
20	1948 Federal Report Surplus Deficit	2230	2085	1772	3072	2542	2300	3175	2986	3589	3785	4108	4140	4230	3230
21	1949 Federal Report Surplus Deficit	2346	2853	2564	418	604	1290	1942	1382	4302	4223	4122	4078	3967	1944
22	1950 Federal Report Surplus Deficit	1588	1149	1528	221	547	1295	3103	3521	4330	4465	4088	4271	4523	3181
23	1951 Federal Report Surplus Deficit	2405	2906	1906	1310	2795	3166	3462	3902	4358	4466	4181	4164	3949	3171
24	1952 Federal Report Surplus Deficit	2479	2861	1873	2540	1737	2313	2954	2999	4133	4475	4257	4104	4071	2774
25	1953 Federal Report Surplus Deficit	2185	2007	1528	53.2	356	720	2115	1824	3240	2834	3193	4102	4407	3105
26	1954 Federal Report Surplus Deficit	2327	2408	1798	293	923	1889	2883	3498	4172	4025	3774	4167	4219	3566
27	1955 Federal Report Surplus Deficit	2503	2848	3920	501	1948	1546	1291	682	1483	2214	2873	3930	4345	3711
28	1956 Federal Report Surplus Deficit	2317	2770	1662	703	2447	3096	3434	3834	4129	4176	4429	4229	4357	3207
29	1957 Federal Report Surplus Deficit	2360	2823	1795	607	552	1965	2128	1086	3849	4203	3534	3954	4224	2792
30	1958 Federal Report Surplus Deficit	2321	1945	1674	303	758	1046	2391	2366	3664	3779	3867	4046	4103	2542
31	1959 Federal Report Surplus Deficit	2000	2064	1629	444	1345	2856	3349	3711	4133	4173	3730	4015	4412	2840
32	1960 Federal Report Surplus Deficit	2464	2903	3833	3438	2924	2688	2702	1908	3739	4149	3988	4084	4087	2690
33	1961 Federal Report Surplus Deficit	2336	1945	1616	389	584	1458	2525	3189	4131	4023	3262	4047	4236	2622
34	1962 Federal Report Surplus Deficit	2303	2202	1463	163	693	1049	2246	2214	1958	4079	4064	4066	4183	2154
35	1963 Federal Report Surplus Deficit	2085	1966	1639	840	1838	2636	2685	2474	3400	2677	2979	4011	3817	2724
36	1964 Federal Report Surplus Deficit	2197	2070	1919	121	294	1383	1590	986	2022	4004	3122	4131	4443	3513
37	1965 Federal Report Surplus Deficit	2367	2785	2427	1363	1508	3149	3492	3862	4130	3751	4131	4217	4044	2938
38	1966 Federal Report Surplus Deficit	2364	2766	1457	649	1129	1590	2131	1593	2058	4050	3392	3873	3562	2792
39	1967 Federal Report Surplus Deficit	2360	2030	1635	83.3	432	1615	3178	3623	4189	3257	1645	4054	4304	3156
40	1968 Federal Report Surplus Deficit	2401	2652	1780	339	1214	1597	2934	2853	3876	2388	2398	3698	3895	2878
41	1969 Federal Report Surplus Deficit	2401	2605	2889	1482	2526	2334	3365	3649	4069	4223	4092	4176	4108	2914
42	1970 Federal Report Surplus Deficit	2347	2567	1803	350	931	968	2367	2172	3273	3382	2151	3926	4194	2529
43	1971 Federal Report Surplus Deficit	1846	1664	1566	71.0	560	1161	3451	3729	4417	4398	4099	4227	4309	3477
44	1972 Federal Report Surplus Deficit	2532	2910	2230	712	761	1874	3428	3655	4290	4455	4005	4319	4365	3454
45	1973 Federal Report Surplus Deficit	2389	2776	2774	621	851	1591	2297	1222	1454	-584	1883	3693	2268	2220
46	1974 Federal Report Surplus Deficit	1899	1111	1218	276	67.4	2455	3499	3491	4161	4171	4295	4262	4474	3682
47	1975 Federal Report Surplus Deficit	2383	2803	2583	-17.5	727	1228	2059	2833	3989	2934	3297	4211	4383	3900
48	1976 Federal Report Surplus Deficit	2413	2768	2216	1710	2798	3354	3314	3814	4258	4305	4192	4218	4146	3327
49	1977 Federal Report Surplus Deficit	2620	2891	3973	727	782	486	484	408	1243	-573	2210	3158	-346	2114
50	1978 Federal Report Surplus Deficit	1709	954	1385	-213	-19.5	2138	2154	2392	3702	4367	3609	4027	3580	2967
51	1979 Federal Report Surplus Deficit	2113	1943	2344	863	852	1063	1854	185	3499	2532	3207	4019	2771	2023
52	1980 Federal Report Surplus Deficit	1508	1284	1641	285	694	510	1395	811	1299	3254	3637	3987	3908	2342
53	1981 Federal Report Surplus Deficit	1920	1374	1617	441	685	2825	2855	3033	3641	1255	3231	3894	4178	2934
54	1982 Federal Report Surplus Deficit	2459	2888	2170	332	1116	2030	2954	3811	4396	4354	3992	4208	4501	3350

Federal Report Surplus Deficit By Water Year

Operating Year 2021

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2508	2913	3281	1529	1271	2272	3170	3763	4496	4253	3659	4113	4090	3270
56	1984 Federal Report Surplus Deficit	2374	2794	2091	450	2973	2248	2861	3389	4134	4195	3964	4096	4391	3256
57	1985 Federal Report Surplus Deficit	2529	2753	2088	521	1131	1593	1814	1517	3043	4033	3880	4119	3434	1797
58	1986 Federal Report Surplus Deficit	1284	878	1551	1114	2345	1593	2379	3352	4208	4104	3841	3847	4032	2547
59	1987 Federal Report Surplus Deficit	2252	1802	1481	42.5	512	1690	1625	-11.9	3206	1946	2708	3717	3112	2156
60	1988 Federal Report Surplus Deficit	1393	894	1459	120	568	493	-49.0	-611	1231	1280	2884	3741	2493	2534
61	1989 Federal Report Surplus Deficit	1945	1539	1540	106	222	1457	480	148	2959	3962	3987	4040	3480	2047
62	1990 Federal Report Surplus Deficit	1630	1482	1594	225	1052	1839	2530	2737	3845	3518	4082	3951	4181	2634
63	1991 Federal Report Surplus Deficit	2433	2588	1642	-126	2803	2507	2981	3306	3914	4010	3544	4098	4013	3101
64	1992 Federal Report Surplus Deficit	2431	2855	1697	-5.29	633	889	1246	70.6	3149	1249	2214	3638	1685	2116
65	1993 Federal Report Surplus Deficit	1478	891	1189	239	587	1000	-29.9	-743	2379	1912	3075	3850	3692	2420
66	1994 Federal Report Surplus Deficit	2157	2042	1717	127	1170	885	57.2	113	920	589	2620	3625	3024	2369
67	1995 Federal Report Surplus Deficit	1855	1213	1273	15.7	134	1042	701	3141	4147	3084	2818	3870	3998	2667
68	1996 Federal Report Surplus Deficit	2152	1973	1925	1793	2869	3003	3415	3960	4257	4273	4229	4170	4232	3330
69	1997 Federal Report Surplus Deficit	2449	2877	1749	195	980	2237	3557	3557	4330	4143	4393	4205	4357	3422
70	1998 Federal Report Surplus Deficit	2504	2907	3050	3273	2439	2094	1925	2347	2957	2408	3273	3832	4183	2806
71	1999 Federal Report Surplus Deficit	2534	2623	1739	184	176	1903	3333	3634	4360	4042	4028	4219	4400	3437
72	2000 Federal Report Surplus Deficit	2579	2958	2524	505	2969	2672	2558	2726	3835	4251	4085	4018	3703	2741
73	2001 Federal Report Surplus Deficit	2394	1348	1601	234	640	628	524	267	1286	-39.8	2414	3644	-770	2204
74	2002 Federal Report Surplus Deficit	1567	1041	1473	-305	119	1208	479	528	2027	3585	3908	3847	4096	3174
75	2003 Federal Report Surplus Deficit	2460	2293	1689	-182	1027	804	96.0	90.6	3833	3489	3167	3613	4061	2141
76	2004 Federal Report Surplus Deficit	1391	987	1422	387	813	1832	632	-201	3213	3035	2986	3759	3514	2101
77	2005 Federal Report Surplus Deficit	1511	1396	2326	522	814	1880	1863	1686	2224	1183	2590	3603	3624	2367
78	2006 Federal Report Surplus Deficit	2193	1644	1707	279	788	1457	2669	2931	3814	4251	4159	4087	4074	2578
79	2007 Federal Report Surplus Deficit	2348	1256	1549	-135	1080	1530	2584	1514	4271	3983	3503	3965	3452	2777
80	2008 Federal Report Surplus Deficit	1990	1336	1435	397	591	1146	1280	1084	2393	2996	1970	4074	4421	2974

Ranked Averages

81	**Bottom 10 pct**	**1457**	**1087**	**1516**	**462**	**942**	**1178**	**839**	**554**	**2465**	**2299**	**2567**	**3837**	**3467**	**2327**
82	**Middle 80 pct**	**2181**	**2073**	**1774**	**501**	**1018**	**1669**	**2061**	**2053**	**3290**	**3199**	**3389**	**3978**	**3668**	**2766**
83	**Top 10 pct**	**2539**	**2850**	**2851**	**994**	**1435**	**1805**	**2250**	**2341**	**3213**	**3135**	**3502**	**3964**	**3522**	**2916**

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Federal Report Surplus Deficit	2210	2493	1651	281	630	435	528	166	846	114	2455	4292	3895	1846
2	1930 Federal Report Surplus Deficit	1789	1604	1670	205	650	524	-317	343	962	888	2896	4308	1548	2410
3	1931 Federal Report Surplus Deficit	1968	1482	1182	131	889	456	-702	-863	695	1454	1071	4515	2782	2251
4	1932 Federal Report Surplus Deficit	2041	1278	1448	-311	-11.4	463	-1072	-1036	2987	4122	4106	4896	5086	2462
5	1933 Federal Report Surplus Deficit	2366	2290	1856	319	52.6	935	2456	2788	3683	3591	3537	4936	5364	3384
6	1934 Federal Report Surplus Deficit	2306	2839	1806	1296	2860	3095	3399	3614	4118	4033	4170	4610	4139	2417
7	1935 Federal Report Surplus Deficit	1705	1379	1162	283	-77.8	1205	2241	2460	3663	2739	3025	4768	4186	2830
8	1936 Federal Report Surplus Deficit	2409	2204	1641	104	481	473	19.3	-420	1353	1951	3918	4685	4714	2272
9	1937 Federal Report Surplus Deficit	2062	1438	1529	87.6	873	447	-172	-738	721	803	1172	4608	3112	2197
10	1938 Federal Report Surplus Deficit	1856	1304	1482	312	101	1482	1902	1807	4226	4175	4403	4945	4877	2672
11	1939 Federal Report Surplus Deficit	2068	1702	1766	392	411	488	1048	826	2619	3023	3706	4783	2887	2259
12	1940 Federal Report Surplus Deficit	1522	1190	1312	520	986	1393	902	29.4	4143	3404	3177	4650	3353	2242
13	1941 Federal Report Surplus Deficit	1788	1099	1244	318	395	1281	269	39.0	1303	977	2058	4315	3122	2343
14	1942 Federal Report Surplus Deficit	1817	1362	1278	142	1257	1568	1895	1206	2922	2073	3399	4456	4380	2918
15	1943 Federal Report Surplus Deficit	2234	2131	2087	413	-74.7	1054	2502	3140	4093	4338	4395	4789	5385	2776
16	1944 Federal Report Surplus Deficit	2244	2250	1644	-41.4	594	396	556	234	767	158	2446	4047	1417	2095
17	1945 Federal Report Surplus Deficit	1546	1098	1181	302	584	315	-458	-35.8	930	126	-1446	4811	4690	2031
18	1946 Federal Report Surplus Deficit	2161	1842	1657	48.4	330	1398	1955	2063	3828	4144	4351	4973	4923	2855
19	1947 Federal Report Surplus Deficit	2383	2550	1802	-65.1	665	2877	3095	3515	4225	3892	3720	4841	4778	2924
20	1948 Federal Report Surplus Deficit	2217	2045	1749	2968	2469	2097	3138	2911	3540	3764	4218	4906	5134	3233
21	1949 Federal Report Surplus Deficit	2333	2812	2541	311	530	1087	1904	1307	4259	4209	4244	4848	4791	1958
22	1950 Federal Report Surplus Deficit	1575	1108	1505	116	473	1092	3066	3445	4276	4415	4221	5043	5402	3178
23	1951 Federal Report Surplus Deficit	2392	2865	1883	1201	2722	2963	3422	3825	4304	4425	4308	4937	4746	3170
24	1952 Federal Report Surplus Deficit	2466	2821	1850	2431	1664	2111	2916	2924	4084	4435	4388	4868	4901	2782
25	1953 Federal Report Surplus Deficit	2172	1966	1505	-51.5	284	517	2077	1749	3190	2787	3297	4876	5314	3103
26	1954 Federal Report Surplus Deficit	2314	2368	1775	190	849	1686	2845	3423	4122	3996	3891	4945	5072	3629
27	1955 Federal Report Surplus Deficit	2490	2807	3897	397	1877	1342	1253	606	1433	2165	2977	4702	5193	3732
28	1956 Federal Report Surplus Deficit	2304	2730	1639	595	2374	2894	3397	3758	4075	4137	4542	4997	5268	3212
29	1957 Federal Report Surplus Deficit	2347	2782	1772	499	479	1762	2090	1011	3802	4150	3656	4726	5062	2785
30	1958 Federal Report Surplus Deficit	2308	1904	1651	199	687	843	2352	2291	3615	3755	3984	4813	4946	2537
31	1959 Federal Report Surplus Deficit	1987	2023	1606	340	1276	2652	3310	3636	4082	4126	3841	4796	5248	2836
32	1960 Federal Report Surplus Deficit	2451	2862	3810	3335	2855	2485	2663	1833	3687	4049	4113	4859	4885	2688
33	1961 Federal Report Surplus Deficit	2323	1905	1593	288	516	1255	2486	3114	4081	3975	3368	4826	5058	2619
34	1962 Federal Report Surplus Deficit	2290	2161	1440	61.4	619	846	2207	2139	1907	3994	4201	4838	4998	2148
35	1963 Federal Report Surplus Deficit	2072	1925	1616	738	1772	2433	2648	2399	3351	2635	3086	4790	4597	2723
36	1964 Federal Report Surplus Deficit	2184	2029	1896	18.8	221	1181	1552	911	1971	3958	3235	4910	5331	3536
37	1965 Federal Report Surplus Deficit	2354	2744	2404	1255	1435	2946	3451	3785	4076	3721	4234	4988	4845	2946
38	1966 Federal Report Surplus Deficit	2351	2725	1434	542	1056	1387	2092	1518	2006	3995	3522	4644	4338	2788
39	1967 Federal Report Surplus Deficit	2347	1989	1612	-17.9	366	1412	3140	3547	4135	3210	1751	4825	5212	3159
40	1968 Federal Report Surplus Deficit	2388	2611	1757	235	1140	1394	2896	2778	3827	2341	2506	4468	4738	2883
41	1969 Federal Report Surplus Deficit	2388	2564	2865	1373	2453	2131	3327	3572	4015	4184	4272	4941	4953	2923
42	1970 Federal Report Surplus Deficit	2335	2526	1780	247	857	766	2329	2097	3226	3331	2254	4703	5042	2535
43	1971 Federal Report Surplus Deficit	1833	1624	1543	-38.1	487	959	3412	3654	4359	4375	4244	4993	5264	3511
44	1972 Federal Report Surplus Deficit	2519	2869	2207	603	688	1671	3390	3578	4238	4390	4200	5081	5263	3485
45	1973 Federal Report Surplus Deficit	2376	2735	2751	514	777	1388	2258	1147	1404	-635	1984	4461	3035	2214
46	1974 Federal Report Surplus Deficit	1886	1071	1195	167	-5.24	2253	3461	3416	4109	4132	4516	4958	5382	3797
47	1975 Federal Report Surplus Deficit	2371	2762	2560	-127	654	1025	2021	2759	3939	2900	3410	4979	5278	3931
48	1976 Federal Report Surplus Deficit	2400	2727	2193	1601	2725	3151	3276	3737	4208	4241	4308	4988	4954	3340
49	1977 Federal Report Surplus Deficit	2607	2851	3950	627	714	282	445	333	1190	-620	2315	3929	424	2111
50	1978 Federal Report Surplus Deficit	1696	913	1362	-318	-93.2	1935	2115	2317	3653	4316	3749	4802	4349	2958
51	1979 Federal Report Surplus Deficit	2100	1902	2321	754	779	860	1816	110	3449	2483	3311	4797	3543	2020
52	1980 Federal Report Surplus Deficit	1495	1244	1618	183	620	308	1357	736	1249	3228	3748	4762	4695	2312
53	1981 Federal Report Surplus Deficit	1907	1333	1594	340	613	2622	2817	2958	3592	1208	3334	4668	4999	2932
54	1982 Federal Report Surplus Deficit	2446	2847	2147	223	1043	1828	2916	3735	4304	4325	4136	4967	5317	3341

Federal Report Surplus Deficit By Water Year

Operating Year 2022

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2495	2872	3258	1420	1198	2069	3133	3689	4432	4220	3796	4876	4963	3293
56	1984 Federal Report Surplus Deficit	2361	2753	2068	341	2899	2046	2824	3314	4086	4114	4082	4866	5250	3253
57	1985 Federal Report Surplus Deficit	2516	2712	2065	412	1057	1390	1775	1442	2994	3995	3989	4893	4207	1790
58	1986 Federal Report Surplus Deficit	1271	837	1528	1005	2272	1391	2341	3277	4093	4058	3961	4617	4831	2550
59	1987 Federal Report Surplus Deficit	2239	1761	1458	-61.1	439	1487	1586	-87.0	3159	1897	2811	4489	3882	2154
60	1988 Federal Report Surplus Deficit	1380	853	1436	19.7	499	290	-88.0	-686	1178	1230	2987	4509	3263	2532
61	1989 Federal Report Surplus Deficit	1932	1498	1517	5.01	152	1254	441	73.3	2910	3965	4105	4809	4250	2043
62	1990 Federal Report Surplus Deficit	1617	1441	1571	123	982	1636	2491	2662	3793	3476	4182	4721	4965	2632
63	1991 Federal Report Surplus Deficit	2420	2547	1619	-228	2736	2304	2942	3231	3863	3961	3648	4871	4801	3118
64	1992 Federal Report Surplus Deficit	2419	2815	1674	-106	564	685	1207	-4.52	3098	1199	2316	4405	2455	2114
65	1993 Federal Report Surplus Deficit	1465	850	1166	136	519	796	-68.1	-818	2328	1864	3178	4630	4465	2415
66	1994 Federal Report Surplus Deficit	2144	2001	1694	25.0	1097	682	18.2	37.6	867	537	2721	4392	3793	2366
67	1995 Federal Report Surplus Deficit	1842	1172	1250	-86.9	64.0	839	663	3066	4103	3040	2926	4645	4844	2673
68	1996 Federal Report Surplus Deficit	2139	1933	1902	1684	2796	2800	3375	3884	4161	4324	4400	4935	5092	3345
69	1997 Federal Report Surplus Deficit	2436	2836	1726	86.0	907	2035	3520	3482	4277	4100	4519	4976	5216	3451
70	1998 Federal Report Surplus Deficit	2491	2866	3027	3164	2366	1892	1888	2272	2906	2361	3375	4591	5017	2815
71	1999 Federal Report Surplus Deficit	2521	2583	1716	75.2	102	1700	3296	3558	4305	4052	4158	4993	5289	3467
72	2000 Federal Report Surplus Deficit	2566	2917	2501	396	2896	2469	2519	2651	3785	4210	4207	4795	4484	2737
73	2001 Federal Report Surplus Deficit	2381	1307	1578	131	572	425	485	192	1236	-92.5	2513	4410	-0.99	2203
74	2002 Federal Report Surplus Deficit	1554	1000	1450	-405	53.5	1005	440	453	1975	3543	4008	4616	4900	3177
75	2003 Federal Report Surplus Deficit	2447	2253	1666	-283	961	600	57.0	15.7	3782	3437	3268	4388	4853	2111
76	2004 Federal Report Surplus Deficit	1378	946	1399	285	745	1628	593	-276	3160	2985	3087	4527	4284	2097
77	2005 Federal Report Surplus Deficit	1498	1355	2303	422	747	1676	1824	1611	2173	1131	2690	4376	4399	2363
78	2006 Federal Report Surplus Deficit	2180	1604	1684	173	715	1254	2631	2856	3763	4147	4312	4850	4964	2586
79	2007 Federal Report Surplus Deficit	2335	1215	1526	-239	1011	1326	2545	1439	4221	3931	3603	4741	4223	2774
80	2008 Federal Report Surplus Deficit	1977	1295	1412	298	528	951	1253	1021	2351	2949	2075	4850	5258	2970
	Ranked Averages														
81	**Bottom 10 pct**	**1444**	**1047**	**1493**	**359**	**872**	**975**	**800**	**480**	**2407**	**2253**	**2673**	**4610**	**4247**	**2318**
82	**Middle 80 pct**	**2168**	**2032**	**1751**	**396**	**946**	**1467**	**2023**	**1978**	**3239**	**3155**	**3507**	**4748**	**4490**	**2770**
83	**Top 10 pct**	**2526**	**2809**	**2828**	**887**	**1362**	**1602**	**2212**	**2266**	**3160**	**3097**	**3627**	**4732**	**4355**	**2929**

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

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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	2109	2553	1620	252	599	399	449	95.6	808	20.1	2348	3472	3058	1809
2	1930 Federal Report Surplus Deficit	1686	1663	1640	176	619	488	-396	272	923	794	2790	3489	710	2374
3	1931 Federal Report Surplus Deficit	1873	1548	1158	102	858	420	-781	-934	657	1359	964	3695	1944	2215
4	1932 Federal Report Surplus Deficit	1943	1340	1421	-340	-42.7	427	-1151	-1107	2948	4028	4000	4081	4248	2426
5	1933 Federal Report Surplus Deficit	2262	2348	1827	290	21.4	899	2377	2717	3644	3497	3430	4116	4508	3348
6	1934 Federal Report Surplus Deficit	2205	2899	1779	1267	2829	3059	3320	3541	4080	3939	4064	3791	3302	2381
7	1935 Federal Report Surplus Deficit	1608	1443	1135	255	-109	1169	2161	2389	3625	2644	2919	3949	3348	2794
8	1936 Federal Report Surplus Deficit	2305	2261	1609	74.8	450	437	-60.0	-491	1315	1857	3811	3877	3876	2235
9	1937 Federal Report Surplus Deficit	1963	1500	1502	58.7	841	410	-251	-809	683	708	1066	3788	2275	2161
10	1938 Federal Report Surplus Deficit	1754	1365	1453	283	69.8	1446	1823	1737	4188	4081	4296	4158	4039	2636
11	1939 Federal Report Surplus Deficit	1966	1762	1738	363	380	452	968	755	2581	2929	3600	3965	2049	2222
12	1940 Federal Report Surplus Deficit	1422	1252	1283	491	955	1357	823	-41.5	4105	3310	3070	3831	2515	2206
13	1941 Federal Report Surplus Deficit	1688	1161	1216	289	364	1245	190	-31.8	1264	883	1951	3496	2285	2307
14	1942 Federal Report Surplus Deficit	1717	1423	1250	114	1226	1532	1815	1135	2884	1979	3292	3636	3542	2882
15	1943 Federal Report Surplus Deficit	2130	2189	2054	384	-106	1018	2422	3069	4055	4244	4289	3989	4462	2740
16	1944 Federal Report Surplus Deficit	2141	2308	1612	-70.3	563	360	477	163	729	63.6	2339	3228	579	2059
17	1945 Federal Report Surplus Deficit	1445	1159	1152	273	553	279	-537	-107	892	31.9	-1552	3992	3852	1995
18	1946 Federal Report Surplus Deficit	2057	1899	1622	19.5	299	1362	1876	1992	3790	4049	4245	4168	4086	2819
19	1947 Federal Report Surplus Deficit	2270	2612	1772	-94.0	633	2841	3016	3444	4186	3798	3613	4031	3940	2888
20	1948 Federal Report Surplus Deficit	2113	2103	1718	2939	2437	2061	3058	2840	3501	3670	4112	4094	4214	3196
21	1949 Federal Report Surplus Deficit	2233	2874	2513	282	499	1051	1825	1236	4221	4115	4138	4034	3953	1922
22	1950 Federal Report Surplus Deficit	1474	1168	1474	86.7	442	1056	2987	3372	4236	4320	4114	4233	4511	3142
23	1951 Federal Report Surplus Deficit	2286	2920	1844	1172	2691	2927	3341	3753	4265	4329	4201	4125	3908	3134
24	1952 Federal Report Surplus Deficit	2360	2876	1814	2402	1633	2074	2837	2853	4046	4341	4282	4056	4061	2749
25	1953 Federal Report Surplus Deficit	2058	2022	1474	-80.4	253	481	1998	1678	3152	2692	3190	4066	4392	3067
26	1954 Federal Report Surplus Deficit	2212	2427	1745	161	818	1650	2765	3352	4084	3902	3785	4132	4210	3593
27	1955 Federal Report Surplus Deficit	2388	2867	3867	368	1846	1306	1173	536	1395	2071	2870	3883	4330	3696
28	1956 Federal Report Surplus Deficit	2197	2784	1609	566	2343	2858	3318	3685	4036	4041	4434	4189	4324	3176
29	1957 Federal Report Surplus Deficit	2248	2845	1740	470	447	1726	2011	940	3764	4056	3549	3910	4214	2749
30	1958 Federal Report Surplus Deficit	2204	1961	1619	170	655	807	2273	2220	3577	3661	3877	4006	4090	2501
31	1959 Federal Report Surplus Deficit	1884	2082	1575	311	1245	2616	3230	3565	4043	4032	3735	3977	4397	2799
32	1960 Federal Report Surplus Deficit	2350	2923	3782	3306	2824	2449	2584	1763	3649	3955	4007	4040	4047	2652
33	1961 Federal Report Surplus Deficit	2223	1966	1564	259	485	1219	2407	3043	4042	3880	3261	4006	4221	2583
34	1962 Federal Report Surplus Deficit	2190	2224	1407	32.5	588	810	2128	2068	1868	3900	4095	4029	4160	2112
35	1963 Federal Report Surplus Deficit	1971	1986	1585	709	1741	2397	2568	2328	3312	2540	2980	3971	3759	2687
36	1964 Federal Report Surplus Deficit	2084	2090	1869	-10.1	189	1145	1472	840	1933	3864	3129	4090	4429	3500
37	1965 Federal Report Surplus Deficit	2245	2797	2365	1226	1404	2910	3371	3713	4036	3627	4128	4174	4007	2910
38	1966 Federal Report Surplus Deficit	2245	2780	1401	514	1024	1350	2013	1447	1968	3900	3415	3824	3500	2752
39	1967 Federal Report Surplus Deficit	2247	2051	1586	-46.8	334	1376	3061	3474	4095	3116	1645	4031	4292	3123
40	1968 Federal Report Surplus Deficit	2282	2666	1726	206	1109	1358	2816	2707	3789	2247	2399	3648	3887	2852
41	1969 Federal Report Surplus Deficit	2277	2615	2828	1344	2422	2095	3247	3499	3975	4088	4166	4131	4108	2890
42	1970 Federal Report Surplus Deficit	2235	2588	1751	218	826	730	2250	2026	3188	3237	2148	3883	4177	2526
43	1971 Federal Report Surplus Deficit	1724	1676	1504	-67.0	456	923	3331	3581	4321	4281	4138	4180	4290	3475
44	1972 Federal Report Surplus Deficit	2412	2923	2171	574	657	1635	3311	3506	4197	4296	4094	4271	4345	3449
45	1973 Federal Report Surplus Deficit	2269	2790	2715	485	745	1352	2179	1076	1366	-729	1878	3641	2197	2178
46	1974 Federal Report Surplus Deficit	1781	1127	1161	138	-36.5	2217	3382	3346	4069	4036	4408	4185	4409	3761
47	1975 Federal Report Surplus Deficit	2262	2815	2525	-156	623	989	1941	2688	3901	2806	3303	4178	4325	3898
48	1976 Federal Report Surplus Deficit	2290	2779	2156	1573	2694	3114	3197	3664	4169	4147	4202	4175	4116	3304
49	1977 Federal Report Surplus Deficit	2501	2906	3922	598	682	246	366	262	1152	-715	2209	3109	-414	2075
50	1978 Federal Report Surplus Deficit	1597	976	1334	-347	-124	1899	2036	2246	3614	4222	3643	3991	3511	2922
51	1979 Federal Report Surplus Deficit	1988	1951	2281	725	747	824	1736	39.1	3411	2389	3204	3980	2705	1984
52	1980 Federal Report Surplus Deficit	1395	1305	1589	154	589	271	1278	665	1211	3134	3642	3947	3857	2276
53	1981 Federal Report Surplus Deficit	1806	1394	1565	312	582	2586	2738	2887	3554	1113	3228	3849	4161	2896
54	1982 Federal Report Surplus Deficit	2346	2908	2115	194	1012	1792	2837	3662	4276	4231	4029	4161	4479	3305

Federal Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *Continued*

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	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Federal Report Surplus Deficit	2383	2921	3221	1391	1166	2033	3054	3618	4396	4126	3690	4071	4079	3277
56	1984 Federal Report Surplus Deficit	2252	2806	2032	312	2868	2010	2745	3244	4048	4020	3975	4046	4370	3217
57	1985 Federal Report Surplus Deficit	2407	2764	2028	383	1026	1354	1696	1371	2956	3900	3883	4077	3370	1754
58	1986 Federal Report Surplus Deficit	1163	891	1493	976	2241	1355	2262	3206	4086	3963	3854	3797	3997	2514
59	1987 Federal Report Surplus Deficit	2130	1813	1427	-90.0	408	1451	1507	-158	3120	1803	2705	3669	3044	2118
60	1988 Federal Report Surplus Deficit	1282	917	1410	-9.21	468	254	-167	-757	1140	1136	2880	3690	2425	2496
61	1989 Federal Report Surplus Deficit	1833	1560	1490	-23.9	120	1218	362	2.51	2872	3870	3998	3989	3412	2007
62	1990 Federal Report Surplus Deficit	1514	1500	1541	94.6	951	1599	2412	2591	3754	3382	4075	3901	4128	2596
63	1991 Federal Report Surplus Deficit	2320	2608	1590	-257	2705	2268	2863	3160	3824	3867	3541	4051	3963	3082
64	1992 Federal Report Surplus Deficit	2318	2875	1646	-135	532	649	1128	-75.4	3060	1105	2210	3586	1617	2077
65	1993 Federal Report Surplus Deficit	1366	913	1139	108	488	760	-147	-889	2290	1770	3071	3811	3628	2378
66	1994 Federal Report Surplus Deficit	2039	2058	1662	-3.91	1065	646	-61.1	-33.2	829	443	2614	3573	2955	2330
67	1995 Federal Report Surplus Deficit	1742	1234	1221	-116	32.8	803	583	2995	4065	2946	2819	3826	3991	2653
68	1996 Federal Report Surplus Deficit	2027	1984	1863	1655	2765	2764	3295	3811	4134	4231	4295	4130	4214	3317
69	1997 Federal Report Surplus Deficit	2326	2888	1690	57.1	876	1999	3439	3411	4237	4005	4413	4158	4336	3415
70	1998 Federal Report Surplus Deficit	2382	2919	2990	3136	2334	1856	1808	2201	2867	2267	3269	3784	4163	2810
71	1999 Federal Report Surplus Deficit	2414	2637	1679	46.3	71.0	1664	3217	3485	4265	3958	4052	4182	4380	3430
72	2000 Federal Report Surplus Deficit	2461	2973	2469	367	2864	2433	2440	2580	3747	4115	4101	3975	3646	2701
73	2001 Federal Report Surplus Deficit	2282	1369	1550	103	541	389	406	121	1197	-187	2407	3590	-839	2167
74	2002 Federal Report Surplus Deficit	1455	1062	1424	-434	22.2	969	361	383	1937	3448	3902	3797	4062	3141
75	2003 Federal Report Surplus Deficit	2346	2313	1637	-312	929	564	-22.2	-55.2	3743	3343	3161	3569	4016	2075
76	2004 Federal Report Surplus Deficit	1280	1009	1372	257	714	1592	514	-347	3122	2890	2980	3708	3446	2061
77	2005 Federal Report Surplus Deficit	1397	1416	2276	393	715	1640	1745	1540	2134	1037	2583	3557	3562	2327
78	2006 Federal Report Surplus Deficit	2076	1662	1651	144	684	1218	2551	2786	3724	4052	4206	4037	4065	2577
79	2007 Federal Report Surplus Deficit	2232	1274	1496	-268	980	1290	2466	1368	4183	3836	3497	3922	3385	2738
80	2008 Federal Report Surplus Deficit	1870	1350	1383	269	497	915	1174	950	2313	2855	1969	4035	4408	2934

Ranked Averages

81	**Bottom 10 pct**	**1344**	**1108**	**1464**	**330**	**840**	**939**	**721**	**409**	**2372**	**2159**	**2566**	**3792**	**3410**	**2282**
82	**Middle 80 pct**	**2064**	**2091**	**1720**	**367**	**915**	**1431**	**1944**	**1907**	**3201**	**3061**	**3400**	**3934**	**3632**	**2736**
83	**Top 10 pct**	**2418**	**2864**	**2793**	**858**	**1331**	**1566**	**2133**	**2195**	**3122**	**3002**	**3521**	**3919**	**3487**	**2899**

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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

2013 White Book Report Date: **10/1/2013**

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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	7381	6884	7742	8280	6660	4666	4159	4958	6295	6144	7922	11877	10129	6452
2	1930 Regional Report Surplus Deficit	6357	5050	7923	7437	6141	4525	2219	5134	5916	6633	8686	10624	7981	7027
3	1931 Regional Report Surplus Deficit	6398	5307	7513	7015	6725	4234	2363	3238	4797	7956	3433	11449	7648	6199
4	1932 Regional Report Surplus Deficit	6095	5065	7029	6274	5435	4340	1951	2594	8905	11676	10805	12830	11611	7252
5	1933 Regional Report Surplus Deficit	7059	6742	8453	7748	5750	4948	6947	9089	9968	10927	9683	12322	11960	8826
6	1934 Regional Report Surplus Deficit	7558	7921	8444	9659	10086	8655	8769	10686	10921	11430	10487	11982	9638	7007
7	1935 Regional Report Surplus Deficit	6468	5599	7058	7141	5561	5209	6571	8208	9140	10652	9148	12331	10365	7779
8	1936 Regional Report Surplus Deficit	7372	6392	7348	7706	6336	4456	2879	3625	6855	8320	10581	12702	11307	7103
9	1937 Regional Report Surplus Deficit	6530	5626	7301	7410	6792	4398	2644	3351	6013	6901	6084	11932	9255	6774
10	1938 Regional Report Surplus Deficit	6494	5099	7810	7303	5595	5592	6363	8078	10550	11825	11260	12831	11217	7877
11	1939 Regional Report Surplus Deficit	7035	6426	7900	8097	6241	4793	4791	5627	8116	10863	9934	12843	9259	6831
12	1940 Regional Report Surplus Deficit	5928	4304	7251	7793	7297	5314	4041	5795	9780	10908	9828	12579	9962	6452
13	1941 Regional Report Surplus Deficit	5686	4094	7343	7905	5866	5207	3871	5186	5925	6891	7256	11088	8922	6244
14	1942 Regional Report Surplus Deficit	5930	5382	8537	6913	6516	6359	6416	5811	6877	7665	9369	11775	11075	8195
15	1943 Regional Report Surplus Deficit	6998	6703	9152	7894	5530	5440	7149	9175	10528	12225	11360	12624	11872	7891
16	1944 Regional Report Surplus Deficit	7312	7109	7776	7874	6650	4791	4317	5237	5961	5887	7967	9832	6452	5833
17	1945 Regional Report Surplus Deficit	5444	4290	6838	7097	6218	3989	2940	4054	5431	5474	3058	12646	11155	6327
18	1946 Regional Report Surplus Deficit	6777	5830	7996	7509	6189	5494	6392	8040	10297	11732	11192	12844	11519	8156
19	1947 Regional Report Surplus Deficit	7666	7522	8461	7739	6573	8352	8339	10307	10812	11365	10141	12679	11296	8072
20	1948 Regional Report Surplus Deficit	6841	6146	8025	11424	9452	6999	8188	9324	9624	11299	10958	12871	11207	8632
21	1949 Regional Report Surplus Deficit	7700	7957	9059	8418	6564	5379	6281	6189	10999	11788	11179	12885	11300	6387
22	1950 Regional Report Surplus Deficit	6371	5056	7426	7721	6361	5290	8248	9896	11217	12034	10808	12451	11791	8616
23	1951 Regional Report Surplus Deficit	7778	8062	8711	9846	10028	8563	8826	11285	11111	12172	11007	12764	11357	8399
24	1952 Regional Report Surplus Deficit	7784	7785	8610	11214	8351	7039	7792	9727	10667	12168	11375	12846	11587	8041
25	1953 Regional Report Surplus Deficit	6995	6914	7442	7570	6467	4590	4738	9038	9190	10057	9676	12800	11882	8519
26	1954 Regional Report Surplus Deficit	7359	7458	8405	8205	7038	6429	8055	10317	10698	11765	10456	12670	11517	9175
27	1955 Regional Report Surplus Deficit	7932	8076	11882	8525	8523	5832	5345	4755	5073	8618	8825	12011	11784	9324
28	1956 Regional Report Surplus Deficit	7663	7692	8065	8848	9308	8365	8781	10563	10623	11574	11164	12770	11922	8742
29	1957 Regional Report Surplus Deficit	7778	7908	8469	8801	6522	6633	6442	6374	10438	12063	10277	13121	11727	7710
30	1958 Regional Report Surplus Deficit	7278	6666	7974	7946	6702	5292	6813	8574	10089	11411	10751	12788	11577	7466
31	1959 Regional Report Surplus Deficit	6811	6583	7740	7921	8071	7912	8723	10501	10746	11920	10229	12510	11644	8066
32	1960 Regional Report Surplus Deficit	7670	7952	11871	11489	10151	7594	7422	8183	10183	11948	10669	12578	11395	7589
33	1961 Regional Report Surplus Deficit	7318	6355	7535	8223	6586	5641	7021	9335	10732	11637	9403	12363	11262	7313
34	1962 Regional Report Surplus Deficit	7027	6575	7489	7792	6571	4915	6585	8333	8252	11887	10860	12693	11517	6441
35	1963 Regional Report Surplus Deficit	7034	6589	7561	8808	8501	7495	6810	8439	8614	10150	9404	12879	11473	7789
36	1964 Regional Report Surplus Deficit	7010	6700	8354	7795	6038	5689	5757	6771	8080	11614	9420	12482	11974	9082
37	1965 Regional Report Surplus Deficit	7671	7839	9581	9648	7880	8343	8636	10745	10802	11445	11102	12683	11381	7947
38	1966 Regional Report Surplus Deficit	7750	7913	7954	8768	7381	5998	6527	7571	7341	11781	9875	12284	10493	7759
39	1967 Regional Report Surplus Deficit	6995	6466	7686	7674	6182	6064	8085	10425	10906	10781	6761	12480	11577	8492
40	1968 Regional Report Surplus Deficit	7466	7444	8354	8383	7477	6043	7595	10050	10427	9433	8158	11604	11233	8020
41	1969 Regional Report Surplus Deficit	7472	7543	10234	9984	9447	7042	8468	10376	10603	11792	10921	12899	11575	8114
42	1970 Regional Report Surplus Deficit	7527	7256	8085	8116	6991	5123	6585	8191	9451	10825	8655	12731	11632	7321
43	1971 Regional Report Surplus Deficit	6859	6353	7705	7798	6555	5478	8565	10606	11153	11887	10672	12839	11841	9246
44	1972 Regional Report Surplus Deficit	8048	8157	9361	9018	6997	6388	8526	10408	11162	12126	10707	12900	11587	8991
45	1973 Regional Report Surplus Deficit	7789	7965	10200	8841	7079	6071	6726	6355	7258	5020	7543	11196	9795	6718
46	1974 Regional Report Surplus Deficit	6185	4642	7675	7325	6172	6590	8680	10503	10823	11479	10974	12332	11596	9476
47	1975 Regional Report Surplus Deficit	7898	8005	9251	7810	6749	5535	6532	9226	10554	10110	9463	12855	11875	9622
48	1976 Regional Report Surplus Deficit	7792	7889	9334	10322	9951	8930	8674	10723	10995	11941	10874	12845	11656	8698
49	1977 Regional Report Surplus Deficit	8197	8244	12430	8917	6853	4621	3923	5619	6296	4908	8133	9046	6493	6003
50	1978 Regional Report Surplus Deficit	5765	4677	6799	5972	5424	7022	6119	7866	9730	11719	10368	12928	10538	7950
51	1979 Regional Report Surplus Deficit	7072	6521	10214	8936	6889	4986	5309	5288	9890	9518	9450	13033	9805	6366
52	1980 Regional Report Surplus Deficit	5584	4844	7343	7714	6377	4472	4696	6115	7150	10413	10544	13111	11252	6971
53	1981 Regional Report Surplus Deficit	6379	5459	7839	8082	6533	7946	7921	8392	8785	7775	9773	12454	11522	8107
54	1982 Regional Report Surplus Deficit	7281	7741	8676	8179	7350	6603	7790	10698	11229	11977	10432	12545	11858	8670

Regional Report Surplus Deficit By Water Year

Operating Year 2014

2013 White Book Report Date: **10/1/2013** *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	7856	8051	10850	10108	7642	7018	8285	10513	11352	11986	10150	12661	11611	8501
56	1984 Regional Report Surplus Deficit	7524	8116	9140	8583	10340	6992	7852	10085	10889	11923	10604	12732	12044	8760
57	1985 Regional Report Surplus Deficit	7771	7567	8654	8683	7573	6003	6090	7508	9137	11690	10489	12753	10590	5501
58	1986 Regional Report Surplus Deficit	5448	3638	7538	7730	9028	5868	6926	9977	11158	11512	10489	12415	11189	7436
59	1987 Regional Report Surplus Deficit	6856	5908	7713	7700	6494	6185	5269	4395	8858	8829	8743	12198	9714	6619
60	1988 Regional Report Surplus Deficit	5303	3323	7372	7202	5907	4348	2959	3684	5822	7286	9125	12022	10041	7105
61	1989 Regional Report Surplus Deficit	6022	4919	7714	6699	5520	5162	4358	5150	8592	11559	10586	12632	10491	6588
62	1990 Regional Report Surplus Deficit	6062	4753	7599	7382	6866	5697	7058	9297	10239	11115	11041	12377	11380	7690
63	1991 Regional Report Surplus Deficit	7459	7355	7861	7158	9811	7095	7507	10284	10288	11530	9889	12424	11075	8269
64	1992 Regional Report Surplus Deficit	7564	7804	7941	7535	6457	4682	4338	5089	7297	7575	7887	11691	8660	5528
65	1993 Regional Report Surplus Deficit	4938	3362	6878	6954	6214	4746	2679	3311	7975	8657	9338	12256	10693	7529
66	1994 Regional Report Surplus Deficit	6739	5764	7606	6879	7012	4654	3181	3496	6295	6682	8652	11735	9469	6768
67	1995 Regional Report Surplus Deficit	5983	4395	7401	6727	5578	4356	4348	8764	10416	10971	9106	12720	11500	7644
68	1996 Regional Report Surplus Deficit	7037	6499	8878	8975	10053	8464	8742	11240	11256	12153	11512	12899	11631	8798
69	1997 Regional Report Surplus Deficit	7734	7902	8058	8051	7109	6957	8846	10395	11193	11636	11328	12610	11580	9030
70	1998 Regional Report Surplus Deficit	7960	8188	10591	11638	9383	6801	6265	8467	9165	9870	9835	12695	11776	8028
71	1999 Regional Report Surplus Deficit	7293	6347	8055	7939	5981	6474	8535	10428	11091	11551	10832	12756	12039	9106
72	2000 Regional Report Surplus Deficit	8252	8399	9719	8442	10100	7574	7283	8930	10314	12063	11069	12540	10778	7632
73	2001 Regional Report Surplus Deficit	7509	5789	7710	7869	6457	4597	3912	5225	6109	5573	8022	10666	5422	5825
74	2002 Regional Report Surplus Deficit	5159	4156	6681	5243	5421	4417	3678	5489	6959	11492	10569	12086	11328	8448
75	2003 Regional Report Surplus Deficit	7559	7181	7867	7053	6788	4704	3463	4647	9910	10865	9458	11982	11346	6703
76	2004 Regional Report Surplus Deficit	5741	3866	7228	7262	6793	5457	4234	4758	7424	9888	9401	12296	10543	6939
77	2005 Regional Report Surplus Deficit	6101	5392	8235	8085	6514	5965	5912	6493	7809	7591	8560	12244	10761	7164
78	2006 Regional Report Surplus Deficit	6558	4962	7474	6720	6542	5535	7419	9427	10210	11833	10911	12768	11540	7631
79	2007 Regional Report Surplus Deficit	6633	5687	7581	7237	6921	5451	6975	6964	11194	11245	9806	12432	10285	7876
80	2008 Regional Report Surplus Deficit	7032	4745	7284	7069	6207	4682	4894	5104	8922	10037	8026	12543	12016	8290

Ranked Averages

81	**Bottom 10 pct**	**5413**	**3947**	**7153**	**7138**	**6478**	**4813**	**3998**	**5322**	**7230**	**8952**	**8723**	**12240**	**10640**	**7125**
82	**Middle 80 pct**	**7022**	**6473**	**8128**	**8060**	**7068**	**5974**	**6383**	**7857**	**9392**	**10443**	**9776**	**12402**	**10845**	**7651**
83	**Top 10 pct**	**7992**	**8126**	**10427**	**9348**	**8275**	**6588**	**6854**	**8580**	**9364**	**10203**	**9882**	**12194**	**10945**	**8350**

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	6701	6283	8652	6595	6090	4060	3922	5203	6030	6341	8684	11422	8821	6128
2	1930 Regional Report Surplus Deficit	5701	4836	8515	5983	5820	3919	2732	5356	6120	7217	9085	10367	5519	6739
3	1931 Regional Report Surplus Deficit	5766	5046	8011	5624	6068	3712	2111	3412	5546	8159	6833	11028	6528	6195
4	1932 Regional Report Surplus Deficit	5456	4773	8154	5062	4955	3853	1439	3290	8831	12051	11146	11895	10325	6975
5	1933 Regional Report Surplus Deficit	6340	6303	8751	6501	5315	4771	6586	8763	9937	11126	10041	11428	10619	8352
6	1934 Regional Report Surplus Deficit	6720	6978	8938	7960	9250	7962	8365	10334	10777	11841	10838	11104	8431	6619
7	1935 Regional Report Surplus Deficit	5801	5288	7788	6220	5056	5119	6306	8447	9873	10033	9504	11526	9201	7462
8	1936 Regional Report Surplus Deficit	6600	6030	8473	5642	5681	3803	3175	4336	6796	8969	11010	12052	10085	6794
9	1937 Regional Report Surplus Deficit	5896	5377	8425	5552	6024	3732	2790	3520	5561	7018	6481	11086	7679	6466
10	1938 Regional Report Surplus Deficit	5809	4911	8377	5885	5181	5646	5925	7515	10655	11947	11589	11911	10179	7338
11	1939 Regional Report Surplus Deficit	6400	6054	8458	6613	5696	4180	4928	6281	8613	10389	10328	11922	7299	6556
12	1940 Regional Report Surplus Deficit	5245	4135	8210	6189	6232	5290	4530	5329	10816	11060	9617	11663	7853	6445
13	1941 Regional Report Surplus Deficit	4932	3932	8006	6067	5194	5113	3639	5175	6602	7165	7644	10399	6894	6087
14	1942 Regional Report Surplus Deficit	5276	5074	8724	6245	6797	5722	5891	6784	8922	8921	9853	11086	9521	7693
15	1943 Regional Report Surplus Deficit	6306	6192	9368	6621	5076	5085	6710	9349	10543	12607	11665	11706	10579	7523
16	1944 Regional Report Surplus Deficit	6654	6563	8640	5583	5826	4124	4047	5257	6025	6012	8736	9658	4525	5341
17	1945 Regional Report Surplus Deficit	4777	4065	7525	5356	5354	3584	2627	4876	6093	6190	3168	11783	9937	6365
18	1946 Regional Report Surplus Deficit	6145	5535	8630	5760	5590	5540	6083	7873	10189	12052	11509	11932	10293	7717
19	1947 Regional Report Surplus Deficit	6841	6845	8899	6092	6182	7795	7617	10046	10786	11636	10487	11783	10023	7666
20	1948 Regional Report Surplus Deficit	6167	5729	8657	10365	8674	6536	7680	9105	9747	11575	11319	11908	9861	8205
21	1949 Regional Report Surplus Deficit	6742	7013	9372	6680	5997	4963	5861	6784	10792	12122	11455	11952	10080	6398
22	1950 Regional Report Surplus Deficit	5624	4883	8551	5759	5762	5071	7651	9824	10953	12404	11132	11545	10487	8206
23	1951 Regional Report Surplus Deficit	6853	7122	9175	8071	9223	8017	8362	10729	10980	12532	11335	11855	9974	8029
24	1952 Regional Report Surplus Deficit	6850	6962	9091	9855	7659	6580	7338	9177	10569	12536	11741	11901	10324	7560
25	1953 Regional Report Surplus Deficit	6261	6389	8565	5462	5317	3899	6261	7613	9401	10179	9976	11890	10531	8087
26	1954 Regional Report Surplus Deficit	6597	6830	8982	6429	6425	5987	7383	9847	10563	11993	10836	11759	10150	8646
27	1955 Regional Report Surplus Deficit	6952	7078	11630	6782	7807	5409	5172	5841	6532	9462	9225	11131	10488	8832
28	1956 Regional Report Surplus Deficit	6741	6895	8835	7052	8543	7827	8270	10195	10392	11898	11487	11862	10600	8326
29	1957 Regional Report Surplus Deficit	6885	7073	9052	7014	5962	6188	6274	6553	10302	12428	10471	12008	10379	7392
30	1958 Regional Report Surplus Deficit	6632	6237	8647	6344	6120	4850	6693	8413	9986	11697	11121	11859	10247	7117
31	1959 Regional Report Surplus Deficit	6175	6190	8535	6480	6957	7398	8200	10190	10606	12266	10616	11600	10329	7576
32	1960 Regional Report Surplus Deficit	6771	6984	11576	11020	9315	7085	6990	7734	10134	12266	11011	11683	10147	7249
33	1961 Regional Report Surplus Deficit	6657	6001	8466	6520	5925	5220	6667	9377	10566	11844	9780	11470	9923	7014
34	1962 Regional Report Surplus Deficit	6394	6091	8387	5677	5954	4562	6299	8110	7553	12234	11158	11786	10218	6564
35	1963 Regional Report Surplus Deficit	6399	6172	8576	6658	7617	7015	6961	8615	9590	10056	9713	12123	9825	7340
36	1964 Regional Report Surplus Deficit	6343	6244	8803	6119	5504	5211	5514	6370	7699	11973	9776	11577	10642	8646
37	1965 Regional Report Surplus Deficit	6768	6902	9808	7929	7208	7793	8198	10350	10552	11524	11426	11767	10113	7738
38	1966 Regional Report Surplus Deficit	6853	7029	8756	6990	6690	5549	6258	7230	7834	12153	10342	11317	9316	7329
39	1967 Regional Report Surplus Deficit	6308	6079	8400	5564	5589	5539	7734	10006	10695	10913	7448	11556	10286	8103
40	1968 Regional Report Surplus Deficit	6698	6745	8856	6622	6832	5619	7471	9162	10452	9519	8572	11135	9954	7550
41	1969 Regional Report Surplus Deficit	6637	6789	10418	8307	8670	6582	7945	10021	10443	12113	11213	11996	10315	7719
42	1970 Regional Report Surplus Deficit	6741	6633	8726	6532	6396	4685	6703	8200	9617	11031	8382	11789	10313	7147
43	1971 Regional Report Surplus Deficit	6226	5983	8594	5637	5963	4983	8149	10257	10941	12245	11036	11926	10558	8729
44	1972 Regional Report Surplus Deficit	7094	7187	9649	7203	6409	5961	8086	10058	10953	12483	11028	11965	10271	8519
45	1973 Regional Report Surplus Deficit	6833	6983	10392	7062	6474	5651	6595	6793	6937	5310	7968	10674	7613	6554
46	1974 Regional Report Surplus Deficit	5514	4440	8311	5832	5274	6824	8422	10059	10608	11806	11250	11322	10295	8984
47	1975 Regional Report Surplus Deficit	6936	7027	9526	6113	6165	5092	6236	8927	10387	10223	9859	11931	10568	9186
48	1976 Regional Report Surplus Deficit	6877	7090	9613	8659	9149	8288	8152	10412	10809	12305	11205	11930	10328	8370
49	1977 Regional Report Surplus Deficit	7180	7247	11557	7153	6264	4017	3712	5443	6510	5517	8133	9737	3124	5911
50	1978 Regional Report Surplus Deficit	5070	4457	7913	5136	4865	6219	6265	8354	9983	12093	10739	12018	9374	7765
51	1979 Regional Report Surplus Deficit	6436	6126	10392	7172	6302	4708	5594	5357	9851	9602	9848	12098	8316	6270
52	1980 Regional Report Surplus Deficit	4815	4656	8456	6259	5788	3909	5242	6317	6847	10635	10923	12125	9972	6847
53	1981 Regional Report Surplus Deficit	5746	5172	8439	6466	5963	7357	7415	9361	9959	7853	9878	11515	10157	7635
54	1982 Regional Report Surplus Deficit	6409	6792	9051	6539	6635	6156	7364	10294	11023	12355	10801	11644	10579	8376

Regional Report Surplus Deficit By Water Year

Operating Year 2015

2013 White Book Report Date: **10/1/2013** *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	6922	7067	11019	8406	6999	6564	7799	10230	11153	12322	10352	11739	10257	8281
56	1984 Regional Report Surplus Deficit	6607	7164	9475	6845	9522	6539	7417	9837	10782	12272	10883	11848	10709	8289
57	1985 Regional Report Surplus Deficit	6993	6973	9008	7023	6955	5581	5837	7148	9034	11974	10827	11842	9196	5977
58	1986 Regional Report Surplus Deficit	4836	3566	8611	7634	8482	5347	6578	9623	10954	11880	10839	11523	9920	7103
59	1987 Regional Report Surplus Deficit	6218	5582	8547	5936	5934	5758	5659	5085	9489	8899	9144	11200	8459	6434
60	1988 Regional Report Surplus Deficit	4633	3216	8242	5498	5147	3652	3079	3747	6292	8008	9513	11309	7680	6837
61	1989 Regional Report Surplus Deficit	5333	4691	8298	5550	5204	5125	3877	5184	8920	11948	10980	11747	9329	6372
62	1990 Regional Report Surplus Deficit	5386	4574	8523	5697	6477	5754	6824	8635	10146	11214	11367	11480	10178	7230
63	1991 Regional Report Surplus Deficit	6665	6691	8704	5364	8942	6630	7308	9540	10134	11862	10071	11538	9914	7856
64	1992 Regional Report Surplus Deficit	6695	6886	8656	5400	5851	4320	4952	5060	9057	7596	8189	10620	5926	5591
65	1993 Regional Report Surplus Deficit	4242	3220	7549	5671	5389	4263	3020	3462	7841	8711	9722	11284	9553	7000
66	1994 Regional Report Surplus Deficit	6105	5466	8198	5484	6312	4119	3280	4775	6069	6883	9083	10848	8454	6698
67	1995 Regional Report Surplus Deficit	5310	4202	7974	5323	5022	4479	4288	9332	10689	10313	9118	11853	10166	7380
68	1996 Regional Report Surplus Deficit	6402	6120	9123	8382	9216	7726	8322	10892	11082	12490	11801	11989	10334	8343
69	1997 Regional Report Surplus Deficit	6809	6965	8925	6288	6493	6504	8454	10037	10978	11956	11619	11719	10259	8583
70	1998 Regional Report Surplus Deficit	7013	7211	10776	10768	8616	6366	6131	8409	9250	9663	9972	11677	10408	7642
71	1999 Regional Report Surplus Deficit	6513	5974	8783	6223	5377	6090	8042	10048	10881	11830	11083	11850	10714	8656
72	2000 Regional Report Surplus Deficit	7275	7408	9936	6813	9250	7096	6954	8702	10193	12449	11398	11604	9692	7384
73	2001 Regional Report Surplus Deficit	6797	5555	8610	6263	5870	3994	3685	5088	6567	6063	8651	10378	2429	5368
74	2002 Regional Report Surplus Deficit	4428	3969	7806	4508	4968	4707	3925	5566	7532	11282	10917	11273	10040	7980
75	2003 Regional Report Surplus Deficit	6805	6622	8483	4871	6006	4030	3337	4873	10141	11073	9846	11118	10094	6461
76	2004 Regional Report Surplus Deficit	4990	3737	8344	5948	5753	5596	4057	4761	9325	10101	9402	11366	9342	6479
77	2005 Regional Report Surplus Deficit	5412	5133	8653	6407	5920	5535	5654	7125	7758	7675	8960	11342	9443	6778
78	2006 Regional Report Surplus Deficit	5921	4746	8122	5434	5830	5159	7035	9045	10156	12239	11229	11834	10296	7169
79	2007 Regional Report Surplus Deficit	5991	5364	8470	5197	6374	5277	6721	7021	11001	11549	10164	11514	9077	7467
80	2008 Regional Report Surplus Deficit	6391	4581	8408	5838	5437	4533	4860	6177	8039	10272	8166	11603	10666	7858

Ranked Averages

81	**Bottom 10 pct**	**4707**	**3795**	**8067**	**5868**	**5759**	**4521**	**4021**	**5441**	**7686**	**9247**	**9016**	**11383**	**9167**	**6837**
82	**Middle 80 pct**	**6285**	**5978**	**8780**	**6478**	**6462**	**5598**	**6212**	**7865**	**9491**	**10693**	**10169**	**11555**	**9456**	**7362**
83	**Top 10 pct**	**7046**	**7150**	**10388**	**7532**	**7308**	**5761**	**6241**	**8095**	**9251**	**10512**	**10099**	**11453**	**9251**	**7717**

Regional Report Surplus Deficit By Water Year

Operating Year 2016

2013 White Book Report Date: **10/1/2013**

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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	6279	6290	7947	6494	5648	3825	3374	4778	5702	4222	7282	12915	9691	5840
2	1930 Regional Report Surplus Deficit	5228	4741	7755	5882	5377	3684	2183	4931	5793	5099	7684	11860	6389	6450
3	1931 Regional Report Surplus Deficit	5340	4645	7347	5523	5625	3477	1563	2987	5218	6040	5431	12521	7398	5907
4	1932 Regional Report Surplus Deficit	5343	3899	7351	4961	4513	3619	891	2865	8503	9934	9740	13384	11174	6687
5	1933 Regional Report Surplus Deficit	6123	5547	8157	6400	4873	4537	6038	8338	9609	9008	8639	12922	11478	8065
6	1934 Regional Report Surplus Deficit	6432	6813	8290	7859	8808	7727	7817	9907	10449	9728	9433	12597	9299	6331
7	1935 Regional Report Surplus Deficit	5218	4564	7074	6119	4614	4884	5758	8022	9545	7915	8103	13018	10070	7173
8	1936 Regional Report Surplus Deficit	6361	5883	7721	5541	5239	3568	2627	3911	6468	6843	9607	13556	10965	6500
9	1937 Regional Report Surplus Deficit	5555	4811	7683	5451	5582	3498	2242	3095	5233	4900	5079	12579	8549	6177
10	1938 Regional Report Surplus Deficit	5725	4730	7684	5784	4738	5411	5377	7090	10327	9813	10183	13410	11031	7040
11	1939 Regional Report Surplus Deficit	6003	5222	7928	6513	5254	3945	4379	5856	8285	8268	8926	13425	8168	6268
12	1940 Regional Report Surplus Deficit	4837	4142	7515	6088	5790	5056	3981	4904	10487	8939	8214	13155	8723	6156
13	1941 Regional Report Surplus Deficit	4922	3717	7321	5966	4752	4879	3090	4750	6274	5047	6243	11894	7765	5799
14	1942 Regional Report Surplus Deficit	4664	3779	7259	6144	6354	5488	5342	6359	8594	6797	8449	12577	10380	7405
15	1943 Regional Report Surplus Deficit	5979	5669	8521	6520	4633	4850	6161	8924	10215	10488	10239	13216	11470	7235
16	1944 Regional Report Surplus Deficit	6280	6113	8048	5482	5384	3889	3499	4832	5697	3892	7333	11152	5395	5052
17	1945 Regional Report Surplus Deficit	3772	2919	6839	5255	4912	3349	2078	4451	5765	4071	1766	13285	10810	6136
18	1946 Regional Report Surplus Deficit	5838	5317	7869	5659	5147	5306	5535	7448	9860	9914	10099	13421	11131	7428
19	1947 Regional Report Surplus Deficit	6551	6520	8256	5991	5739	7560	7069	9621	10455	9513	9080	13279	10901	7378
20	1948 Regional Report Surplus Deficit	5900	5278	8038	10264	8231	6302	7132	8680	9419	9434	9911	13406	10735	7909
21	1949 Regional Report Surplus Deficit	6403	6824	9369	6579	5554	4729	5313	6360	10463	9985	10044	13447	10933	6110
22	1950 Regional Report Surplus Deficit	5361	4502	7682	5658	5319	4837	7103	9397	10622	10285	9727	13047	11359	7920
23	1951 Regional Report Surplus Deficit	6608	6944	8543	7970	8781	7782	7809	10303	10653	10415	9926	13350	10833	7742
24	1952 Regional Report Surplus Deficit	6526	6813	8456	9754	7217	6346	6790	8752	10239	10410	10329	13396	11170	7271
25	1953 Regional Report Surplus Deficit	5867	5539	7884	5361	4874	3664	5712	7188	9073	8059	8574	13384	11391	7800
26	1954 Regional Report Surplus Deficit	6180	6308	8324	6329	5982	5753	6835	9422	10235	9871	9432	13256	11001	8389
27	1955 Regional Report Surplus Deficit	6690	6897	11255	6681	7364	5174	4623	5416	6204	7344	7823	12624	11326	8536
28	1956 Regional Report Surplus Deficit	6449	6693	8121	6951	8100	7592	7721	9768	10061	9795	10083	13359	11442	8042
29	1957 Regional Report Surplus Deficit	6590	6885	8394	6913	5520	5953	5726	6128	9974	10310	9063	13502	11221	7104
30	1958 Regional Report Surplus Deficit	6379	5564	7966	6243	5678	4615	6145	7988	9658	9571	9716	13357	11114	6829
31	1959 Regional Report Surplus Deficit	5563	5774	7868	6379	6514	7164	7651	9765	10278	10143	9205	13088	11159	7288
32	1960 Regional Report Surplus Deficit	6500	6819	11222	10919	8873	6850	6442	7310	9806	10164	9600	13174	11009	6961
33	1961 Regional Report Surplus Deficit	6294	5596	7787	6419	5483	4985	6119	8952	10238	9726	8379	12966	10782	6726
34	1962 Regional Report Surplus Deficit	6228	5576	7718	5576	5512	4327	5751	7685	7225	10125	9733	13278	11075	6275
35	1963 Regional Report Surplus Deficit	6106	5569	7787	6557	7175	6780	6412	8190	9262	7937	8312	13612	10686	7047
36	1964 Regional Report Surplus Deficit	6080	5701	8273	6018	5062	4977	4966	5945	7371	9854	8372	13069	11515	8373
37	1965 Regional Report Surplus Deficit	6497	6736	9196	7828	6766	7559	7645	9923	10220	9388	10022	13263	10973	7445
38	1966 Regional Report Surplus Deficit	6581	6845	8068	6889	6248	5314	5709	6805	7506	10035	8937	12814	10188	7041
39	1967 Regional Report Surplus Deficit	6057	5620	7912	5463	5147	5304	7186	9581	10366	8794	6047	13050	11121	7810
40	1968 Regional Report Surplus Deficit	6425	6470	8218	6521	6390	5384	6923	8737	10122	7400	7170	12626	10810	7285
41	1969 Regional Report Surplus Deficit	6359	6547	9830	8207	8228	6348	7397	9595	10112	10010	9789	13495	11167	7430
42	1970 Regional Report Surplus Deficit	6413	6333	8076	6431	5953	4451	6155	7775	9288	8912	6980	13282	11172	6858
43	1971 Regional Report Surplus Deficit	5556	5086	7913	5536	5521	4748	7596	9830	10615	10114	9618	13421	11416	8452
44	1972 Regional Report Surplus Deficit	6830	7022	9046	7102	5967	5726	7537	9631	10622	10375	9635	13467	11151	8235
45	1973 Regional Report Surplus Deficit	6569	6815	9806	6961	6032	5416	6046	6368	6609	3191	6567	12167	8483	6266
46	1974 Regional Report Surplus Deficit	5242	3898	7479	5731	4832	6590	7874	9634	10277	9702	9866	12727	11165	8729
47	1975 Regional Report Surplus Deficit	6637	6848	9287	6012	5722	4858	5687	8502	10058	8101	8454	13437	11411	8907
48	1976 Regional Report Surplus Deficit	6623	6920	8999	8558	8707	8048	7604	9987	10481	10191	9798	13427	11188	8077
49	1977 Regional Report Surplus Deficit	6919	7025	11452	7052	5822	3782	3164	5018	6182	3399	6731	11231	3995	5623
50	1978 Regional Report Surplus Deficit	4771	3536	7489	5035	4422	5984	5717	7929	9655	9974	9322	13515	10241	7477
51	1979 Regional Report Surplus Deficit	6091	5617	8992	7071	5860	4473	5046	4932	9523	7483	8446	13593	9186	5981
52	1980 Regional Report Surplus Deficit	4593	4294	7746	6158	5346	3674	4694	5892	6520	8520	9523	13622	10838	6567
53	1981 Regional Report Surplus Deficit	5303	4460	7895	6365	5521	7122	6866	8936	9629	5732	8475	13006	11000	7346
54	1982 Regional Report Surplus Deficit	6131	6623	8665	6438	6193	5921	6816	9867	10700	10228	9382	13132	11423	8086

Regional Report Surplus Deficit By Water Year

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2013 White Book Report Date: **10/1/2013** *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	6656	6897	10435	8305	6557	6330	7250	9805	10826	10208	8959	13238	11110	8000
56	1984 Regional Report Surplus Deficit	6332	7000	8854	6744	9080	6304	6869	9413	10453	10164	9473	13337	11531	7998
57	1985 Regional Report Surplus Deficit	6808	6912	8757	6922	6513	5347	5289	6723	8706	9852	9424	13343	10066	5689
58	1986 Regional Report Surplus Deficit	4494	3732	7880	7533	8040	5112	6030	9198	10607	9763	9441	13018	10790	6815
59	1987 Regional Report Surplus Deficit	5872	5018	7859	5835	5492	5524	5111	4660	9161	6779	7742	12692	9329	6145
60	1988 Regional Report Surplus Deficit	4488	3447	7569	5397	4704	3417	2531	3322	5964	5889	8111	12803	8551	6549
61	1989 Regional Report Surplus Deficit	5422	4399	7582	5449	4762	4891	3329	4759	8592	9815	9574	13239	10198	6084
62	1990 Regional Report Surplus Deficit	4953	4555	7810	5596	6034	5519	6275	8210	9818	9088	9964	12974	11044	6942
63	1991 Regional Report Surplus Deficit	6342	6322	7934	5263	8499	6395	6760	9115	9806	9743	8668	13031	10780	7566
64	1992 Regional Report Surplus Deficit	6417	6715	7985	5299	5408	4086	4404	4635	8729	5478	6787	12114	6796	5303
65	1993 Regional Report Surplus Deficit	4124	3091	7079	5570	4947	4028	2472	3037	7513	6595	8322	12781	10424	6711
66	1994 Regional Report Surplus Deficit	5865	5291	7514	5383	5870	3884	2731	4350	5741	4764	7681	12342	9325	6409
67	1995 Regional Report Surplus Deficit	5003	3837	7352	5222	4580	4244	3740	8907	10359	8192	7715	13345	11031	7092
68	1996 Regional Report Surplus Deficit	6016	5574	8219	8281	8774	7492	7770	10465	10772	10359	10393	13484	11186	8061
69	1997 Regional Report Surplus Deficit	6519	6798	8305	6187	6051	6269	7905	9613	10646	9851	10221	13216	11096	8306
70	1998 Regional Report Surplus Deficit	6745	7040	10236	10667	8174	6131	5583	7984	8922	7536	8566	13181	11268	7355
71	1999 Regional Report Surplus Deficit	6266	6209	8138	6122	4935	5855	7494	9621	10550	9698	9672	13341	11531	8346
72	2000 Regional Report Surplus Deficit	6986	7234	9417	6712	8807	6862	6406	8277	9865	10328	9994	13091	10556	7096
73	2001 Regional Report Surplus Deficit	6481	4876	7948	6162	5427	3759	3136	4663	6239	3944	7250	11871	3299	5079
74	2002 Regional Report Surplus Deficit	3773	2875	7128	4407	4525	4472	3377	5141	7204	9160	9515	12766	10890	7692
75	2003 Regional Report Surplus Deficit	6452	5905	7830	4770	5564	3796	2789	4448	9813	8954	8444	12608	10960	6172
76	2004 Regional Report Surplus Deficit	4417	3629	7577	5847	5311	5361	3509	4336	8997	7983	8001	12858	10212	6190
77	2005 Regional Report Surplus Deficit	4826	4462	8785	6306	5477	5300	5106	6700	7430	5557	7558	12835	10307	6489
78	2006 Regional Report Surplus Deficit	5714	4470	7463	5333	5388	4924	6487	8620	9826	10127	9816	13318	11099	6880
79	2007 Regional Report Surplus Deficit	5991	4055	7780	5096	5932	5042	6172	6596	10672	9429	8761	13003	9946	7179
80	2008 Regional Report Surplus Deficit	5929	4499	7581	5737	4995	4299	4312	5752	7711	8153	6764	13099	11524	7571

Ranked Averages

81	**Bottom 10 pct**	**4291**	**3471**	**7385**	**5789**	**5517**	**4363**	**3754**	**5217**	**7646**	**7347**	**7891**	**12964**	**10362**	**6758**
82	**Middle 80 pct**	**5970**	**5570**	**8115**	**6374**	**5995**	**5353**	**5628**	**7414**	**9127**	**8545**	**8728**	**13037**	**10274**	**7050**
83	**Top 10 pct**	**6784**	**6984**	**9986**	**7431**	**6866**	**5526**	**5692**	**7670**	**8923**	**8393**	**8698**	**12952**	**10110**	**7430**

Regional Report Surplus Deficit By Water Year

Operating Year 2017

2013 White Book Report Date: **10/1/2013**

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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	5831	5943	7904	6430	5672	3802	3223	4628	5742	4845	7559	11743	8417	5739
2	1930 Regional Report Surplus Deficit	4780	4394	7712	5818	5402	3662	2032	4781	5833	5722	7960	10688	5115	6350
3	1931 Regional Report Surplus Deficit	4892	4298	7304	5459	5650	3455	1412	2837	5259	6663	5708	11349	6124	5806
4	1932 Regional Report Surplus Deficit	4895	3552	7308	4897	4537	3596	740	2715	8544	10559	10012	12215	9909	6586
5	1933 Regional Report Surplus Deficit	5674	5200	8114	6336	4898	4514	5887	8188	9649	9628	8913	11747	10192	7960
6	1934 Regional Report Surplus Deficit	5981	6464	8246	7795	8832	7705	7666	9752	10489	10351	9709	11426	8028	6230
7	1935 Regional Report Surplus Deficit	4770	4218	7030	6055	4638	4861	5607	7872	9585	8537	8379	11843	8793	7072
8	1936 Regional Report Surplus Deficit	5910	5537	7677	5477	5263	3546	2476	3761	6508	7465	9883	12387	9695	6399
9	1937 Regional Report Surplus Deficit	5107	4464	7639	5387	5607	3475	2091	2945	5273	5522	5355	11405	7274	6076
10	1938 Regional Report Surplus Deficit	5277	4383	7640	5720	4763	5389	5225	6941	10365	10421	10454	12228	9760	6940
11	1939 Regional Report Surplus Deficit	5555	4876	7885	6448	5278	3923	4228	5707	8325	8887	9200	12247	6895	6167
12	1940 Regional Report Surplus Deficit	4389	3796	7471	6024	5815	5033	3830	4755	10526	9560	8489	11984	7448	6055
13	1941 Regional Report Surplus Deficit	4474	3370	7278	5902	4776	4856	2939	4600	6314	5670	6519	10722	6491	5698
14	1942 Regional Report Surplus Deficit	4216	3432	7215	6080	6379	5465	5191	6209	8633	7418	8724	11402	9110	7303
15	1943 Regional Report Surplus Deficit	5531	5322	8478	6456	4658	4828	6010	8775	10253	11109	10507	12033	10188	7134
16	1944 Regional Report Surplus Deficit	5831	5767	8005	5418	5408	3867	3347	4682	5737	4516	7611	9980	4122	4951
17	1945 Regional Report Surplus Deficit	3324	2572	6796	5191	4937	3327	1927	4302	5805	4692	2043	12111	9542	6028
18	1946 Regional Report Surplus Deficit	5390	4971	7825	5595	5172	5283	5383	7298	9900	10549	10380	12256	9889	7327
19	1947 Regional Report Surplus Deficit	6100	6173	8212	5927	5764	7538	6918	9472	10490	10128	9346	12102	9616	7276
20	1948 Regional Report Surplus Deficit	5452	4931	7995	10200	8256	6279	6981	8531	9459	10056	10187	12235	9489	7813
21	1949 Regional Report Surplus Deficit	5950	6477	9326	6514	5579	4706	5161	6210	10502	10609	10320	12274	9676	6009
22	1950 Regional Report Surplus Deficit	4913	4155	7639	5594	5344	4814	6951	9243	10660	10907	9996	11868	10098	7818
23	1951 Regional Report Surplus Deficit	6154	6598	8499	7906	8805	7759	7655	10148	10691	11038	10202	12179	9575	7641
24	1952 Regional Report Surplus Deficit	6074	6466	8412	9690	7242	6323	6639	8602	10279	11031	10603	12226	9906	7170
25	1953 Regional Report Surplus Deficit	5419	5193	7840	5297	4899	3642	5561	7039	9113	8680	8848	12213	10171	7697
26	1954 Regional Report Surplus Deficit	5732	5962	8280	6264	6007	5730	6684	9273	10275	10489	9705	12083	9751	8296
27	1955 Regional Report Surplus Deficit	6235	6551	11211	6617	7389	5151	4472	5266	6244	7965	8100	11451	10080	8428
28	1956 Regional Report Surplus Deficit	5997	6346	8077	6887	8125	7569	7570	9614	10099	10415	10359	12188	10207	7938
29	1957 Regional Report Surplus Deficit	6137	6539	8351	6849	5544	5931	5575	5979	10011	10934	9328	12332	9980	7003
30	1958 Regional Report Surplus Deficit	5931	5217	7922	6179	5702	4592	5993	7838	9696	10187	9987	12185	9862	6728
31	1959 Regional Report Surplus Deficit	5115	5428	7825	6315	6539	7141	7500	9615	10317	10762	9475	11916	9903	7187
32	1960 Regional Report Surplus Deficit	6047	6472	11178	10855	8898	6828	6291	7160	9846	10799	9868	12002	9737	6859
33	1961 Regional Report Surplus Deficit	5846	5249	7744	6355	5508	4963	5967	8802	10278	10348	8654	11790	9519	6625
34	1962 Regional Report Surplus Deficit	5780	5230	7674	5512	5537	4305	5599	7535	7264	10740	10030	12107	9814	6174
35	1963 Regional Report Surplus Deficit	5658	5222	7744	6493	7199	6758	6261	8040	9302	8558	8587	12434	9416	6956
36	1964 Regional Report Surplus Deficit	5632	5354	8229	5954	5086	4954	4814	5795	7411	10474	8643	11896	10236	8257
37	1965 Regional Report Surplus Deficit	6044	6387	9153	7764	6791	7536	7491	9768	10259	10005	10297	12089	9704	7344
38	1966 Regional Report Surplus Deficit	6129	6499	8024	6825	6272	5291	5558	6655	7546	10658	9204	11642	8916	6940
39	1967 Regional Report Surplus Deficit	5606	5273	7868	5399	5171	5282	7035	9431	10404	9415	6318	11869	9870	7712
40	1968 Regional Report Surplus Deficit	5974	6124	8175	6457	6414	5362	6771	8587	10161	8022	7444	11455	9549	7160
41	1969 Regional Report Surplus Deficit	5907	6200	9786	8142	8253	6325	7246	9440	10150	10630	10077	12331	9925	7330
42	1970 Regional Report Surplus Deficit	5962	5987	8032	6367	5978	4428	6003	7625	9325	9533	7253	12108	9920	6813
43	1971 Regional Report Surplus Deficit	5108	4740	7870	5472	5545	4726	7443	9675	10657	10733	9889	12255	10167	8357
44	1972 Regional Report Surplus Deficit	6376	6674	9002	7038	5991	5703	7386	9476	10660	11000	9890	12288	9925	8137
45	1973 Regional Report Surplus Deficit	6115	6468	9762	6897	6057	5394	5895	6218	6649	3814	6843	10996	7210	6165
46	1974 Regional Report Surplus Deficit	4794	3552	7436	5667	4856	6567	7723	9484	10315	10323	10138	11618	9910	8626
47	1975 Regional Report Surplus Deficit	6183	6501	9244	5948	5747	4835	5536	8352	10098	8718	8726	12262	10165	8796
48	1976 Regional Report Surplus Deficit	6169	6573	8955	8493	8731	8023	7453	9834	10520	10813	10076	12256	9926	7979
49	1977 Regional Report Surplus Deficit	6461	6681	11409	6988	5846	3760	3012	4868	6222	4022	7007	10059	2721	5522
50	1978 Regional Report Surplus Deficit	4323	3189	7445	4971	4447	5962	5566	7779	9696	10597	9591	12344	8969	7376
51	1979 Regional Report Surplus Deficit	5643	5271	8948	7007	5884	4450	4894	4783	9563	8106	8722	12417	7910	5880
52	1980 Regional Report Surplus Deficit	4145	3947	7703	6094	5370	3652	4542	5742	6559	9132	9795	12449	9571	6455
53	1981 Regional Report Surplus Deficit	4855	4114	7851	6301	5545	7100	6715	8787	9671	6357	8752	11833	9751	7245
54	1982 Regional Report Surplus Deficit	5679	6275	8621	6374	6217	5899	6664	9713	10742	10852	9661	11966	10172	7985

Regional Report Surplus Deficit By Water Year

Operating Year 2017

2013 White Book Report Date: **10/1/2013** *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	6202	6550	10391	8241	6581	6307	7099	9656	10870	10820	9214	12064	9831	7896
56	1984 Regional Report Surplus Deficit	5879	6653	8811	6680	9104	6281	6717	9263	10493	10781	9754	12166	10293	7895
57	1985 Regional Report Surplus Deficit	6355	6566	8713	6858	6538	5324	5137	6573	8746	10476	9700	12168	8789	5588
58	1986 Regional Report Surplus Deficit	4045	3386	7836	7469	8064	5089	5878	9048	10677	10382	9710	11843	9517	6657
59	1987 Regional Report Surplus Deficit	5424	4672	7815	5771	5516	5501	4959	4510	9201	7403	8019	11520	8056	6044
60	1988 Regional Report Surplus Deficit	4040	3100	7525	5333	4729	3395	2379	3173	6004	6512	8387	11631	7277	6448
61	1989 Regional Report Surplus Deficit	4974	4052	7538	5385	4786	4868	3178	4610	8632	10442	9852	12067	8924	5983
62	1990 Regional Report Surplus Deficit	4505	4208	7766	5532	6059	5496	6124	8060	9858	9708	10240	11801	9776	6841
63	1991 Regional Report Surplus Deficit	5891	5976	7891	5199	8524	6373	6609	8965	9846	10362	8939	11857	9508	7466
64	1992 Regional Report Surplus Deficit	5965	6365	7942	5235	5433	4063	4253	4485	8770	6099	7062	10942	5523	5202
65	1993 Regional Report Surplus Deficit	3675	2745	7035	5505	4971	4005	2321	2887	7553	7214	8597	11603	9149	6611
66	1994 Regional Report Surplus Deficit	5417	4944	7470	5319	5894	3862	2580	4201	5781	5387	7957	11170	8051	6308
67	1995 Regional Report Surplus Deficit	4555	3491	7308	5158	4604	4222	3589	8758	10395	8813	7988	12173	9766	6991
68	1996 Regional Report Surplus Deficit	5568	5228	8176	8217	8798	7469	7616	10310	10818	10958	10663	12316	9928	7951
69	1997 Regional Report Surplus Deficit	6066	6449	8261	6123	6076	6246	7752	9463	10684	10472	10497	12045	9856	8205
70	1998 Regional Report Surplus Deficit	6291	6693	10192	10603	8199	6108	5432	7834	8960	8156	8840	12000	9989	7252
71	1999 Regional Report Surplus Deficit	5814	5863	8094	6058	4959	5833	7343	9467	10589	10315	9944	12170	10317	8266
72	2000 Regional Report Surplus Deficit	6531	6887	9374	6648	8832	6839	6255	8127	9905	10951	10270	11923	9282	6995
73	2001 Regional Report Surplus Deficit	6029	4529	7904	6098	5452	3737	2985	4513	6280	4567	7526	10699	2026	4978
74	2002 Regional Report Surplus Deficit	3325	2529	7084	4343	4550	4450	3225	4992	7244	9778	9790	11594	9627	7592
75	2003 Regional Report Surplus Deficit	6003	5559	7786	4706	5589	3773	2637	4298	9852	9576	8719	11435	9686	6071
76	2004 Regional Report Surplus Deficit	3969	3283	7534	5783	5335	5339	3357	4187	9038	8603	8275	11686	8938	6091
77	2005 Regional Report Surplus Deficit	4378	4115	8741	6242	5502	5278	4954	6551	7471	6179	7835	11665	9041	6388
78	2006 Regional Report Surplus Deficit	5266	4123	7419	5269	5412	4901	6335	8470	9866	10746	10099	12159	9880	6723
79	2007 Regional Report Surplus Deficit	5543	3708	7736	5032	5956	5020	6021	6446	10711	10051	9036	11827	8673	7078
80	2008 Regional Report Surplus Deficit	5481	4153	7537	5673	5019	4276	4161	5602	7751	8774	7038	11925	10266	7469

Ranked Averages

81	**Bottom 10 pct**	**3842**	**3124**	**7341**	**5725**	**5542**	**4340**	**3603**	**5067**	**7689**	**7967**	**8165**	**11790**	**9091**	**6648**
82	**Middle 80 pct**	**5520**	**5224**	**8072**	**6310**	**6019**	**5331**	**5476**	**7264**	**9166**	**9166**	**9003**	**11866**	**9012**	**6949**
83	**Top 10 pct**	**6329**	**6638**	**9942**	**7367**	**6890**	**5504**	**5541**	**7519**	**8963**	**9013**	**8968**	**11777**	**8848**	**7327**

Regional Report Surplus Deficit By Water Year

Operating Year 2018

2013 White Book Report Date: **10/1/2013**

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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	5719	5870	7495	6076	5337	3342	3211	4343	5413	5507	8048	12036	9177	5369
2	1930 Regional Report Surplus Deficit	4668	4321	7303	5464	5067	3202	2020	4496	5504	6384	8449	10981	5876	5979
3	1931 Regional Report Surplus Deficit	4780	4225	6895	5105	5315	2995	1400	2551	4930	7325	6197	11642	6885	5436
4	1932 Regional Report Surplus Deficit	4783	3479	6899	4543	4202	3136	728	2429	8215	11221	10503	12512	10657	6216
5	1933 Regional Report Surplus Deficit	5562	5127	7705	5982	4562	4054	5875	7902	9320	10292	9404	12041	10929	7590
6	1934 Regional Report Surplus Deficit	5869	6391	7838	7441	8497	7244	7654	9464	10160	11015	10197	11715	8785	5860
7	1935 Regional Report Surplus Deficit	4658	4145	6621	5701	4303	4401	5595	7587	9256	9199	8868	12139	9557	6702
8	1936 Regional Report Surplus Deficit	5798	5464	7269	5123	4928	3086	2464	3475	6179	8126	10372	12674	10423	6028
9	1937 Regional Report Surplus Deficit	4995	4391	7231	5033	5272	3015	2079	2659	4944	6185	5844	11700	8036	5706
10	1938 Regional Report Surplus Deficit	5165	4310	7231	5366	4428	4929	5213	6655	10037	11080	10943	12519	10518	6568
11	1939 Regional Report Surplus Deficit	5443	4803	7476	6095	4943	3463	4216	5421	7996	9546	9687	12540	7655	5797
12	1940 Regional Report Surplus Deficit	4277	3723	7062	5670	5480	4573	3818	4469	10198	10223	8979	12275	8209	5685
13	1941 Regional Report Surplus Deficit	4362	3297	6869	5548	4441	4396	2927	4315	5985	6332	7008	11016	7251	5327
14	1942 Regional Report Surplus Deficit	4103	3359	6807	5726	6044	5005	5179	5923	8305	8069	9208	11696	9864	6934
15	1943 Regional Report Surplus Deficit	5418	5249	8069	6102	4323	4367	5998	8489	9924	11772	11000	12322	10887	6763
16	1944 Regional Report Surplus Deficit	5719	5694	7596	5064	5073	3406	3335	4397	5408	5179	8100	10273	4882	4581
17	1945 Regional Report Surplus Deficit	3212	2499	6387	4837	4602	2866	1915	4016	5476	5356	2532	12405	10292	5666
18	1946 Regional Report Surplus Deficit	5278	4898	7417	5241	4837	4823	5371	7012	9572	11179	10856	12543	10623	6957
19	1947 Regional Report Surplus Deficit	5988	6100	7803	5573	5429	7077	6906	9186	10164	10789	9835	12394	10361	6906
20	1948 Regional Report Surplus Deficit	5340	4858	7586	9846	7921	5819	6969	8245	9130	10716	10676	12523	10194	7438
21	1949 Regional Report Surplus Deficit	5838	6404	8917	6161	5244	4246	5149	5924	10173	11253	10800	12565	10405	5639
22	1950 Regional Report Surplus Deficit	4801	4082	7230	5240	5009	4354	6939	8954	10329	11569	10479	12164	10823	7445
23	1951 Regional Report Surplus Deficit	6042	6525	8091	7552	8470	7299	7641	9860	10360	11689	10691	12470	10308	7266
24	1952 Regional Report Surplus Deficit	5962	6393	8004	9336	6907	5863	6627	8317	9949	11693	11092	12523	10666	6800
25	1953 Regional Report Surplus Deficit	5307	5120	7432	4943	4564	3182	5549	6753	8785	9343	9338	12498	10878	7329
26	1954 Regional Report Surplus Deficit	5620	5889	7871	5911	5672	5270	6672	8987	9944	11140	10184	12372	10495	7901
27	1955 Regional Report Surplus Deficit	6123	6478	10803	6263	7054	4691	4460	4981	5915	8629	8589	11744	10814	8074
28	1956 Regional Report Surplus Deficit	5885	6273	7668	6533	7790	7109	7558	9326	9768	11056	10842	12478	10897	7566
29	1957 Regional Report Surplus Deficit	6025	6465	7942	6495	5209	5471	5563	5693	9682	11596	9820	12624	10681	6633
30	1958 Regional Report Surplus Deficit	5819	5144	7514	5826	5367	4132	5982	7553	9368	10842	10473	12481	10583	6358
31	1959 Regional Report Surplus Deficit	5003	5355	7416	5961	6204	6681	7488	9329	9988	11429	9972	12212	10658	6816
32	1960 Regional Report Surplus Deficit	5935	6398	10769	10501	8563	6367	6279	6874	9517	11450	10365	12291	10486	6490
33	1961 Regional Report Surplus Deficit	5734	5176	7335	6001	5172	4502	5955	8516	9949	11009	9142	12080	10238	6253
34	1962 Regional Report Surplus Deficit	5668	5157	7266	5158	5202	3844	5587	7250	6936	11409	10500	12399	10562	5804
35	1963 Regional Report Surplus Deficit	5545	5149	7335	6139	6864	6297	6249	7754	8973	9220	9075	12734	10177	6576
36	1964 Regional Report Surplus Deficit	5520	5281	7821	5600	4751	4494	4802	5510	7082	11133	9124	12188	10951	7894
37	1965 Regional Report Surplus Deficit	5932	6314	8744	7410	6456	7076	7476	9480	9927	10659	10785	12379	10437	6974
38	1966 Regional Report Surplus Deficit	6017	6426	7616	6471	5937	4831	5546	6370	7217	11321	9679	11933	9669	6569
39	1967 Regional Report Surplus Deficit	5494	5200	7459	5046	4836	4821	7023	9144	10075	10075	6805	12178	10604	7341
40	1968 Regional Report Surplus Deficit	5862	6051	7766	6103	6079	4901	6759	8302	9832	8684	7933	11746	10259	6790
41	1969 Regional Report Surplus Deficit	5795	6127	9378	7789	7918	5865	7234	9152	9819	11270	10565	12619	10666	6958
42	1970 Regional Report Surplus Deficit	5850	5914	7623	6013	5643	3968	5992	7339	8996	10195	7741	12400	10654	6387
43	1971 Regional Report Surplus Deficit	4996	4667	7461	5118	5210	4265	7428	9387	10328	11379	10359	12539	10850	7972
44	1972 Regional Report Surplus Deficit	6263	6601	8593	6684	5656	5243	7374	9188	10329	11640	10367	12584	10629	7769
45	1973 Regional Report Surplus Deficit	6003	6395	9354	6543	5721	4934	5883	5932	6320	4476	7332	11286	7970	5795
46	1974 Regional Report Surplus Deficit	4682	3479	7027	5313	4521	6107	7711	9198	9984	10963	10610	11863	10652	8213
47	1975 Regional Report Surplus Deficit	6071	6428	8835	5594	5412	4375	5524	8067	9768	9381	9216	12552	10886	8417
48	1976 Regional Report Surplus Deficit	6057	6500	8547	8140	8396	7560	7441	9546	10192	11475	10565	12549	10666	7610
49	1977 Regional Report Surplus Deficit	6349	6607	11000	6634	5511	3299	3001	4582	5893	4684	7497	10352	3482	5152
50	1978 Regional Report Surplus Deficit	4211	3116	7036	4617	4112	5501	5554	7494	9366	11259	10095	12642	9730	7004
51	1979 Regional Report Surplus Deficit	5531	5198	8539	6653	5549	3990	4882	4497	9234	8767	9211	12710	8671	5510
52	1980 Regional Report Surplus Deficit	4033	3874	7294	5740	5035	3192	4531	5457	6231	9778	10279	12737	10316	6051
53	1981 Regional Report Surplus Deficit	4742	4041	7442	5948	5210	6640	6703	8501	9342	7017	9241	12128	10474	6873
54	1982 Regional Report Surplus Deficit	5567	6202	8212	6020	5882	5438	6652	9425	10420	11505	10134	12254	10894	7611

Regional Report Surplus Deficit By Water Year

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2013 White Book Report Date: **10/1/2013** *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	6090	6477	9983	7887	6246	5847	7087	9370	10538	11486	9709	12363	10587	7523
56	1984 Regional Report Surplus Deficit	5767	6580	8402	6326	8769	5821	6705	8977	10162	11455	10233	12456	11016	7520
57	1985 Regional Report Surplus Deficit	6243	6493	8305	6504	6203	4864	5125	6288	8417	11134	10187	12459	9552	5218
58	1986 Regional Report Surplus Deficit	3933	3313	7428	7115	7729	4629	5866	8762	10342	11041	10192	12134	10262	6287
59	1987 Regional Report Surplus Deficit	5312	4599	7406	5417	5181	5041	4947	4224	8872	8066	8508	11814	8816	5674
60	1988 Regional Report Surplus Deficit	3928	3027	7117	4979	4394	2934	2367	2887	5675	7174	8877	11924	8038	6078
61	1989 Regional Report Surplus Deficit	4862	3979	7130	5031	4451	4408	3166	4324	8303	11088	10336	12360	9685	5613
62	1990 Regional Report Surplus Deficit	4393	4135	7358	5178	5724	5036	6112	7774	9529	10364	10728	12091	10522	6471
63	1991 Regional Report Surplus Deficit	5779	5902	7482	4845	8189	5913	6597	8679	9517	11024	9428	12148	10263	7091
64	1992 Regional Report Surplus Deficit	5853	6292	7533	4881	5098	3603	4241	4199	8441	6763	7553	11235	6283	4832
65	1993 Regional Report Surplus Deficit	3563	2672	6626	5152	4636	3545	2309	2601	7224	7877	9086	11896	9909	6240
66	1994 Regional Report Surplus Deficit	5305	4871	7062	4965	5559	3401	2568	3915	5452	6050	8447	11463	8812	5938
67	1995 Regional Report Surplus Deficit	4443	3418	6900	4804	4269	3762	3577	8472	10069	9471	8474	12468	10527	6564
68	1996 Regional Report Surplus Deficit	5456	5155	7767	7863	8463	7009	7601	10022	10483	11624	11152	12610	10654	7579
69	1997 Regional Report Surplus Deficit	5954	6376	7852	5769	5741	5786	7737	9177	10353	11113	10979	12336	10571	7826
70	1998 Regional Report Surplus Deficit	6179	6620	9784	10249	7864	5648	5420	7549	8632	8816	9329	12298	10740	6883
71	1999 Regional Report Surplus Deficit	5702	5790	7686	5704	4624	5373	7331	9179	10258	10963	10423	12459	11003	7879
72	2000 Regional Report Surplus Deficit	6419	6814	8965	6294	8497	6379	6243	7842	9576	11611	10756	12212	10040	6625
73	2001 Regional Report Surplus Deficit	5917	4456	7496	5744	5117	3276	2973	4227	5951	5229	8015	10992	2786	4608
74	2002 Regional Report Surplus Deficit	3213	2456	6675	3989	4215	3990	3213	4706	6915	10438	10278	11887	10382	7221
75	2003 Regional Report Surplus Deficit	5891	5486	7377	4352	5253	3313	2625	4012	9524	10238	9208	11728	10435	5701
76	2004 Regional Report Surplus Deficit	3857	3210	7125	5429	5000	4878	3345	3901	8708	9265	8764	11979	9697	5722
77	2005 Regional Report Surplus Deficit	4266	4042	8333	5888	5167	4817	4942	6265	7142	6841	8323	11953	9795	6018
78	2006 Regional Report Surplus Deficit	5154	4050	7010	4915	5077	4441	6323	8184	9538	11413	10578	12448	10593	6352
79	2007 Regional Report Surplus Deficit	5430	3635	7327	4678	5621	4560	6009	6161	10382	10712	9523	12123	9429	6708
80	2008 Regional Report Surplus Deficit	5369	4079	7129	5320	4684	3816	4149	5316	7422	9438	7530	12213	10968	7099
	Ranked Averages														
81	**Bottom 10 pct**	**3730**	**3051**	**6932**	**5371**	**5207**	**3880**	**3591**	**4782**	**7360**	**8625**	**8652**	**12082**	**9845**	**6275**
82	**Middle 80 pct**	**5408**	**5151**	**7663**	**5956**	**5684**	**4871**	**5464**	**6978**	**8837**	**9825**	**9490**	**12157**	**9751**	**6574**
83	**Top 10 pct**	**6217**	**6565**	**9533**	**7014**	**6555**	**5043**	**5529**	**7233**	**8633**	**9673**	**9456**	**12070**	**9591**	**6958**

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	5381	5525	7341	5876	4960	3031	2809	3892	4972	4079	7068	10630	7807	4841
2	1930 Regional Report Surplus Deficit	4330	3976	7149	5264	4690	2890	1618	4045	5063	4952	7468	9575	4507	5452
3	1931 Regional Report Surplus Deficit	4442	3880	6741	4905	4938	2683	998	2100	4489	5896	5217	10235	5516	4908
4	1932 Regional Report Surplus Deficit	4445	3134	6745	4343	3825	2825	326	1978	7773	9794	9516	11103	9309	5688
5	1933 Regional Report Surplus Deficit	5224	4782	7550	5782	4185	3742	5473	7451	8879	8862	8423	10632	9599	7061
6	1934 Regional Report Surplus Deficit	5531	6046	7683	7241	8120	6933	7252	9009	9718	9594	9212	10309	7420	5332
7	1935 Regional Report Surplus Deficit	4320	3800	6467	5501	3926	4090	5193	7136	8815	7769	7887	10727	8183	6175
8	1936 Regional Report Surplus Deficit	5460	5118	7114	4923	4551	2774	2062	3024	5738	6686	9391	11279	9080	5501
9	1937 Regional Report Surplus Deficit	4657	4046	7076	4832	4895	2704	1677	2208	4502	4756	4865	10291	6664	5179
10	1938 Regional Report Surplus Deficit	4827	3965	7077	5166	4051	4617	4812	6204	9593	9636	9959	11124	9158	6044
11	1939 Regional Report Surplus Deficit	5105	4457	7321	5894	4566	3151	3814	4970	7555	8108	8703	11130	6287	5269
12	1940 Regional Report Surplus Deficit	3939	3377	6908	5470	5103	4261	3416	4018	9755	8789	7994	10865	6840	5158
13	1941 Regional Report Surplus Deficit	4024	2952	6715	5348	4064	4085	2525	3863	5544	4902	6027	9609	5883	4800
14	1942 Regional Report Surplus Deficit	3766	3014	6652	5526	5667	4693	4777	5472	7864	6636	8227	10292	8503	6406
15	1943 Regional Report Surplus Deficit	5081	4904	7915	5902	3946	4056	5596	8038	9474	10328	9989	10911	9564	6236
16	1944 Regional Report Surplus Deficit	5381	5348	7441	4864	4696	3095	2934	3946	4967	3748	7120	8867	3514	4054
17	1945 Regional Report Surplus Deficit	2874	2154	6233	4637	4225	2555	1513	3565	5035	3926	1552	10990	8911	5139
18	1946 Regional Report Surplus Deficit	4940	4552	7262	5040	4460	4511	4969	6561	9127	9723	9865	11141	9268	6430
19	1947 Regional Report Surplus Deficit	5650	5755	7649	5372	5052	6766	6504	8735	9720	9355	8850	10982	9006	6378
20	1948 Regional Report Surplus Deficit	5002	4513	7432	9646	7544	5507	6567	7794	8689	9280	9694	11117	8843	6908
21	1949 Regional Report Surplus Deficit	5500	6059	8762	5960	4867	3935	4747	5473	9733	9824	9820	11161	9045	5111
22	1950 Regional Report Surplus Deficit	4463	3737	7076	5039	4632	4042	6538	8499	9885	10135	9477	10754	9480	6914
23	1951 Regional Report Surplus Deficit	5704	6179	7936	7352	8093	6988	7235	9405	9916	10258	9702	11069	8954	6735
24	1952 Regional Report Surplus Deficit	5624	6048	7849	9136	6530	5552	6225	7866	9508	10264	10112	11112	9288	6272
25	1953 Regional Report Surplus Deficit	4969	4774	7277	4743	4187	2870	5147	6302	8343	7908	8354	11092	9519	6799
26	1954 Regional Report Surplus Deficit	5282	5543	7717	5710	5295	4959	6270	8536	9503	9702	9197	10970	9130	7351
27	1955 Regional Report Surplus Deficit	5785	6133	10648	6062	6677	4380	4058	4529	5474	7199	7608	10337	9480	7520
28	1956 Regional Report Surplus Deficit	5547	5928	7514	6333	7413	6798	7156	8870	9324	9624	9859	11076	9601	7038
29	1957 Regional Report Surplus Deficit	5688	6120	7788	6294	4832	5159	5161	5242	9241	10167	8834	11215	9344	6105
30	1958 Regional Report Surplus Deficit	5481	4799	7359	5625	4990	3821	5580	7101	8925	9394	9482	11076	9230	5830
31	1959 Regional Report Surplus Deficit	4665	5009	7261	5761	5827	6370	7086	8878	9544	9994	8981	10805	9294	6289
32	1960 Regional Report Surplus Deficit	5597	6053	10615	10300	8186	6056	5877	6423	9075	10019	9386	10884	9125	5962
33	1961 Regional Report Surplus Deficit	5396	4831	7181	5801	4795	4191	5554	8065	9507	9578	8157	10678	8891	5727
34	1962 Regional Report Surplus Deficit	5330	4812	7111	4958	4825	3533	5186	6799	6494	9983	9508	10987	9199	5277
35	1963 Regional Report Surplus Deficit	5208	4804	7180	5939	6487	5986	5847	7303	8532	7790	8094	11327	8807	6049
36	1964 Regional Report Surplus Deficit	5182	4936	7666	5399	4374	4183	4401	5058	6641	9705	8144	10781	9630	7349
37	1965 Regional Report Surplus Deficit	5594	5969	8590	7210	6078	6765	7071	9025	9484	9201	9801	10972	9082	6444
38	1966 Regional Report Surplus Deficit	5679	6080	7461	6271	5560	4520	5144	5918	6774	9894	8670	10523	8300	6041
39	1967 Regional Report Surplus Deficit	5156	4855	7305	4845	4459	4510	6621	8688	9631	8648	5827	10758	9264	6814
40	1968 Regional Report Surplus Deficit	5524	5705	7611	5903	5702	4590	6358	7851	9391	7253	6952	10341	8926	6262
41	1969 Regional Report Surplus Deficit	5457	5782	9223	7588	7541	5554	6832	8697	9375	9840	9560	11199	9272	6431
42	1970 Regional Report Surplus Deficit	5512	5568	7469	5812	5266	3657	5590	6888	8552	8763	6756	10990	9298	5860
43	1971 Regional Report Surplus Deficit	4658	4322	7306	4917	4833	3954	7023	8932	9887	9954	9384	11140	9567	7435
44	1972 Regional Report Surplus Deficit	5926	6256	8439	6484	5279	4932	6972	8733	9885	10208	9353	11170	9242	7204
45	1973 Regional Report Surplus Deficit	5665	6050	9199	6343	5344	4622	5481	5481	5877	3048	6351	9879	6601	5267
46	1974 Regional Report Surplus Deficit	4344	3133	6872	5113	4144	5796	7309	8747	9540	9533	9618	10519	9284	7652
47	1975 Regional Report Surplus Deficit	5733	6083	8681	5393	5035	4063	5122	7616	9324	7939	8226	11143	9535	7860
48	1976 Regional Report Surplus Deficit	5719	6155	8392	7939	8019	7246	7039	9090	9751	10051	9578	11139	9297	7077
49	1977 Regional Report Surplus Deficit	6011	6262	10845	6433	5134	2988	2599	4131	5452	3255	6517	8946	2113	4624
50	1978 Regional Report Surplus Deficit	3873	2771	6882	4417	3735	5190	5152	7043	8926	9831	9105	11233	8360	6478
51	1979 Regional Report Surplus Deficit	5193	4852	8385	6453	5172	3679	4481	4046	8792	7338	8231	11309	7304	4983
52	1980 Regional Report Surplus Deficit	3695	3529	7140	5540	4658	2880	4129	5005	5789	8346	9298	11331	8950	5577
53	1981 Regional Report Surplus Deficit	4405	3695	7288	5747	4833	6328	6301	8050	8900	5584	8260	10717	9117	6346
54	1982 Regional Report Surplus Deficit	5229	5857	8058	5820	5505	5127	6250	8969	9976	10066	9138	10852	9544	7084

Regional Report Surplus Deficit By Water Year

Operating Year 2019

2013 White Book Report Date: **10/1/2013** *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	5752	6132	9828	7686	5869	5536	6685	8919	10101	10047	8711	10955	9245	6987
56	1984 Regional Report Surplus Deficit	5429	6234	8247	6126	8392	5510	6303	8526	9720	10026	9253	11054	9663	6998
57	1985 Regional Report Surplus Deficit	5905	6147	8150	6304	5826	4553	4723	5836	7975	9696	9202	11055	8184	4690
58	1986 Regional Report Surplus Deficit	3595	2967	7273	6914	7352	4318	5465	8311	9911	9614	9215	10728	8905	5760
59	1987 Regional Report Surplus Deficit	4974	4254	7252	5217	4804	4730	4546	3773	8428	6635	7527	10403	7448	5147
60	1988 Regional Report Surplus Deficit	3590	2682	6962	4779	4017	2623	1965	2436	5234	5743	7895	10517	6669	5550
61	1989 Regional Report Surplus Deficit	4524	3634	6975	4831	4074	4097	2764	3873	7862	9649	9353	10953	8317	5085
62	1990 Regional Report Surplus Deficit	4055	3790	7203	4978	5347	4725	5710	7323	9088	8929	9747	10685	9157	5942
63	1991 Regional Report Surplus Deficit	5441	5557	7327	4644	7812	5601	6195	8228	9076	9595	8448	10741	8887	6552
64	1992 Regional Report Surplus Deficit	5515	5947	7378	4681	4721	3292	3839	3748	8000	5333	6572	9827	4915	4304
65	1993 Regional Report Surplus Deficit	3225	2326	6472	4951	4259	3234	1907	2150	6782	6442	8103	10487	8536	5713
66	1994 Regional Report Surplus Deficit	4967	4526	6907	4764	5182	3090	2166	3464	5011	4621	7467	10056	7443	5411
67	1995 Regional Report Surplus Deficit	4105	3072	6745	4604	3892	3450	3175	8021	9618	8041	7494	11059	9149	6093
68	1996 Regional Report Surplus Deficit	5118	4810	7613	7663	8086	6698	7196	9567	10042	10218	10180	11213	9347	7051
69	1997 Regional Report Surplus Deficit	5616	6031	7698	5569	5364	5475	7332	8726	9909	9681	9995	10930	9221	7261
70	1998 Regional Report Surplus Deficit	5841	6275	9629	10049	7487	5337	5018	7097	8190	7383	8346	10894	9393	6354
71	1999 Regional Report Surplus Deficit	5364	5444	7531	5503	4247	5061	6929	8723	9814	9537	9445	11044	9663	7349
72	2000 Regional Report Surplus Deficit	6081	6469	8810	6093	8120	6067	5841	7391	9133	10181	9774	10807	8673	6097
73	2001 Regional Report Surplus Deficit	5579	4111	7341	5544	4740	2965	2571	3776	5510	3799	7035	9586	1418	4081
74	2002 Regional Report Surplus Deficit	2875	2111	6521	3789	3838	3678	2812	4255	6474	9003	9297	10482	9022	6685
75	2003 Regional Report Surplus Deficit	5553	5140	7223	4152	4876	3001	2224	3561	9082	8808	8228	10321	9078	5174
76	2004 Regional Report Surplus Deficit	3519	2864	6970	5229	4623	4567	2944	3450	8268	7835	7783	10572	8330	5191
77	2005 Regional Report Surplus Deficit	3928	3697	8178	5687	4790	4506	4541	5814	6701	5412	7344	10549	8427	5490
78	2006 Regional Report Surplus Deficit	4816	3705	6856	4714	4700	4130	5922	7733	9097	9986	9593	11038	9263	5825
79	2007 Regional Report Surplus Deficit	5093	3290	7173	4478	5244	4248	5607	5709	9940	9281	8541	10715	8064	6180
80	2008 Regional Report Surplus Deficit	5031	3734	6974	5119	4307	3505	3747	4865	6981	8008	6548	10811	9636	6572

Ranked Averages

81	**Bottom 10 pct**	**3392**	**2706**	**6778**	**5171**	**4830**	**3569**	**3189**	**4331**	**6920**	**7193**	**7671**	**10675**	**8478**	**5752**
82	**Middle 80 pct**	**5070**	**4805**	**7508**	**5756**	**5307**	**4559**	**5062**	**6526**	**8395**	**8393**	**8506**	**10751**	**8395**	**6045**
83	**Top 10 pct**	**5879**	**6220**	**9379**	**6813**	**6178**	**4732**	**5127**	**6782**	**8192**	**8239**	**8467**	**10663**	**8233**	**6417**

Regional Report Surplus Deficit By Water Year

Operating Year 2020

2013 White Book Report Date: **10/1/2013**

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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	4967	5088	6998	5608	4588	2624	2430	3606	4636	4435	6979	11292	8396	4412
2	1930 Regional Report Surplus Deficit	3916	3539	6806	4996	4318	2483	1240	3759	4726	5311	7380	10236	5098	5023
3	1931 Regional Report Surplus Deficit	4029	3443	6398	4637	4566	2276	619	1814	4152	6253	5128	10897	6107	4479
4	1932 Regional Report Surplus Deficit	4032	2697	6402	4075	3453	2417	-53.0	1692	7437	10150	9428	11762	9865	5259
5	1933 Regional Report Surplus Deficit	4811	4345	7208	5514	3813	3335	5094	7165	8543	9220	8334	11297	10152	6627
6	1934 Regional Report Surplus Deficit	5117	5609	7340	6973	7748	6526	6873	8723	9382	9952	9118	10967	8009	4903
7	1935 Regional Report Surplus Deficit	3907	3363	6124	5233	3554	3682	4814	6850	8478	8126	7798	11381	8772	5745
8	1936 Regional Report Surplus Deficit	5047	4681	6771	4655	4179	2367	1683	2738	5402	7044	9302	11923	9611	5072
9	1937 Regional Report Surplus Deficit	4244	3609	6734	4565	4523	2296	1298	1922	4167	5109	4772	10954	7256	4750
10	1938 Regional Report Surplus Deficit	4414	3528	6734	4898	3679	4210	4433	5918	9253	9982	9866	11745	9693	5612
11	1939 Regional Report Surplus Deficit	4692	4020	6979	5626	4194	2744	3435	4684	7219	8475	8619	11789	6876	4840
12	1940 Regional Report Surplus Deficit	3526	2940	6565	5202	4731	3854	3038	3732	9415	9146	7904	11524	7429	4729
13	1941 Regional Report Surplus Deficit	3611	2515	6372	5080	3692	3677	2146	3578	5207	5254	5933	10269	6474	4371
14	1942 Regional Report Surplus Deficit	3352	2577	6310	5258	5295	4286	4398	5186	7528	6996	8139	10950	9082	5976
15	1943 Regional Report Surplus Deficit	4667	4467	7572	5634	3574	3649	5218	7752	9142	10685	9900	11557	10066	5805
16	1944 Regional Report Surplus Deficit	4968	4911	7099	4596	4324	2688	2555	3660	4630	4104	7029	9531	4107	3625
17	1945 Regional Report Surplus Deficit	2461	1717	5890	4369	3853	2148	1134	3279	4699	4284	1462	11649	9487	4710
18	1946 Regional Report Surplus Deficit	4527	4115	6919	4773	4088	4104	4591	6275	8794	10111	9788	11789	9814	5999
19	1947 Regional Report Surplus Deficit	5237	5318	7306	5105	4680	6359	6125	8449	9379	9703	8749	11635	9550	5948
20	1948 Regional Report Surplus Deficit	4588	4076	7089	9378	7172	5100	6188	7508	8353	9632	9604	11781	9381	6477
21	1949 Regional Report Surplus Deficit	5087	5622	8420	5692	4495	3527	4369	5187	9395	10186	9733	11820	9599	4607
22	1950 Regional Report Surplus Deficit	4049	3300	6733	4772	4260	3635	6159	8213	9546	10494	9398	11406	9996	6485
23	1951 Regional Report Surplus Deficit	5291	5742	7594	7084	7721	6581	6853	9118	9577	10612	9603	11726	9519	6302
24	1952 Regional Report Surplus Deficit	5211	5611	7507	8868	6158	5144	5846	7580	9171	10595	9996	11771	9838	5846
25	1953 Regional Report Surplus Deficit	4556	4337	6935	4475	3815	2463	4768	6016	8006	8272	8269	11750	10053	6366
26	1954 Regional Report Surplus Deficit	4869	5106	7374	5442	4923	4551	5891	8250	9166	10059	9108	11627	9693	6932
27	1955 Regional Report Surplus Deficit	5372	5696	10306	5795	6305	3973	3680	4244	5137	7554	7518	10998	10000	7089
28	1956 Regional Report Surplus Deficit	5134	5491	7171	6065	7041	6391	6777	8584	8985	9979	9762	11729	10120	6605
29	1957 Regional Report Surplus Deficit	5274	5683	7445	6027	4460	4752	4782	4956	8907	10524	8741	11880	9913	5676
30	1958 Regional Report Surplus Deficit	5068	4362	7017	5357	4618	3414	5201	6816	8590	9768	9403	11733	9777	5403
31	1959 Regional Report Surplus Deficit	4252	4572	6919	5493	5455	5962	6707	8592	9211	10350	8891	11465	9851	5859
32	1960 Regional Report Surplus Deficit	5184	5616	10272	10033	7814	5649	5498	6137	8739	10406	9275	11546	9687	5534
33	1961 Regional Report Surplus Deficit	4983	4394	6838	5533	4423	3784	5175	7779	9171	9937	8072	11339	9460	5298
34	1962 Regional Report Surplus Deficit	4917	4375	6769	4690	4453	3126	4807	6513	6158	10339	9421	11643	9749	4848
35	1963 Regional Report Surplus Deficit	4794	4367	6838	5671	6115	5579	5468	7017	8195	8148	8006	11979	9378	5619
36	1964 Regional Report Surplus Deficit	4769	4499	7323	5132	4002	3775	4022	4772	6304	10063	8059	11439	10154	6925
37	1965 Regional Report Surplus Deficit	5181	5532	8247	6942	5706	6357	6689	8739	9145	9594	9717	11635	9666	6017
38	1966 Regional Report Surplus Deficit	5266	5643	7119	6003	5188	4112	4765	5633	6440	10250	8581	11181	8878	5611
39	1967 Regional Report Surplus Deficit	4743	4418	6962	4577	4087	4103	6242	8402	9292	9001	5733	11393	9735	6361
40	1968 Regional Report Surplus Deficit	5111	5268	7269	5635	5330	4183	5979	7565	9053	7613	6863	11001	9460	5833
41	1969 Regional Report Surplus Deficit	5044	5345	8881	7320	7169	5146	6453	8410	9036	10193	9491	11871	9850	6002
42	1970 Regional Report Surplus Deficit	5098	5131	7126	5545	4894	3249	5211	6602	8216	9119	6667	11643	9811	5430
43	1971 Regional Report Surplus Deficit	4245	3885	6964	4650	4461	3547	6640	8646	9552	10316	9300	11787	10084	6980
44	1972 Regional Report Surplus Deficit	5512	5819	8096	6216	4907	4525	6594	8447	9546	10563	9286	11833	9807	6786
45	1973 Regional Report Surplus Deficit	5251	5613	8857	6075	4972	4215	5103	5195	5541	3404	6263	10537	7191	4838
46	1974 Regional Report Surplus Deficit	3931	2696	6530	4845	3772	5388	6930	8461	9201	9888	9529	11116	9858	7229
47	1975 Regional Report Surplus Deficit	5320	5646	8338	5126	4663	3656	4743	7330	8985	8300	8139	11796	10106	7440
48	1976 Regional Report Surplus Deficit	5306	5718	8049	7671	7647	6835	6660	8804	9414	10411	9484	11800	9854	6628
49	1977 Regional Report Surplus Deficit	5598	5825	10503	6166	4762	2581	2220	3845	5115	3611	6427	9611	2704	4195
50	1978 Regional Report Surplus Deficit	3460	2334	6539	4149	3363	4783	4773	6757	8588	10187	9012	11882	8947	6049
51	1979 Regional Report Surplus Deficit	4780	4415	8042	6185	4800	3272	4102	3760	8455	7696	8142	11964	7894	4554
52	1980 Regional Report Surplus Deficit	3282	3092	6797	5272	4286	2473	3750	4720	5452	8714	9213	11998	9541	5148
53	1981 Regional Report Surplus Deficit	3991	3258	6945	5479	4461	5921	5922	7764	8564	5946	8172	11380	9680	5918
54	1982 Regional Report Surplus Deficit	4816	5420	7715	5552	5133	4720	5872	8683	9646	10420	9044	11500	10092	6656

Regional Report Surplus Deficit By Water Year

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2013 White Book Report Date: **10/1/2013** *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	5339	5695	9486	7419	5497	5128	6306	8633	9764	10394	8605	11599	9745	6541
56	1984 Regional Report Surplus Deficit	5016	5797	7905	5858	8020	5103	5925	8240	9384	10388	9158	11713	10242	6568
57	1985 Regional Report Surplus Deficit	5491	5710	7807	6036	5454	4145	4345	5551	7639	10048	9109	11715	8761	4261
58	1986 Regional Report Surplus Deficit	3182	2530	6931	6647	6980	3911	5086	8025	9582	9962	9109	11389	9464	5331
59	1987 Regional Report Surplus Deficit	4561	3817	6909	4949	4432	4322	4167	3487	8094	6994	7439	11069	8037	4718
60	1988 Regional Report Surplus Deficit	3177	2245	6620	4511	3645	2216	1587	2150	4898	6102	7807	11182	7260	5121
61	1989 Regional Report Surplus Deficit	4111	3197	6632	4563	3702	3689	2385	3587	7526	10011	9265	11615	8909	4656
62	1990 Regional Report Surplus Deficit	3642	3353	6860	4710	4975	4317	5331	7037	8750	9275	9656	11350	9738	5513
63	1991 Regional Report Surplus Deficit	5027	5120	6985	4377	7440	5194	5816	7940	8737	9952	8360	11399	9463	6126
64	1992 Regional Report Surplus Deficit	5102	5510	7036	4413	4349	2884	3460	3460	7661	5688	6481	10491	5506	3876
65	1993 Regional Report Surplus Deficit	2812	1889	6129	4683	3887	2827	1528	1862	6447	6801	8014	11143	9129	5284
66	1994 Regional Report Surplus Deficit	4554	4089	6564	4497	4810	2683	1787	3176	4672	4975	7375	10719	8034	4982
67	1995 Regional Report Surplus Deficit	3691	2635	6403	4336	3520	3043	2796	7733	9290	8396	7402	11719	9718	5609
68	1996 Regional Report Surplus Deficit	4705	4373	7270	7395	7714	6290	6814	9281	9712	10550	10083	11849	9836	6621
69	1997 Regional Report Surplus Deficit	5203	5594	7355	5301	4992	5068	6949	8440	9571	10035	9906	11595	9819	6851
70	1998 Regional Report Surplus Deficit	5428	5838	9286	9781	7115	4930	4639	6812	7855	7720	8246	11549	9924	5928
71	1999 Regional Report Surplus Deficit	4951	5007	7189	5236	3875	4654	6550	8437	9475	9883	9348	11713	10225	6909
72	2000 Regional Report Surplus Deficit	5668	6032	8468	5826	7748	5660	5462	7102	8797	10531	9675	11453	9239	5670
73	2001 Regional Report Surplus Deficit	5166	3674	6998	5276	4368	2558	2193	3490	5173	4157	6946	10250	2011	3654
74	2002 Regional Report Surplus Deficit	2462	1674	6178	3521	3466	3271	2433	3969	6138	9364	9208	11143	9580	6263
75	2003 Regional Report Surplus Deficit	5140	4703	6880	3884	4504	2594	1845	3275	8746	9165	8138	10981	9648	4747
76	2004 Regional Report Surplus Deficit	3106	2427	6628	4961	4251	4160	2565	3164	7930	8193	7695	11237	8922	4768
77	2005 Regional Report Surplus Deficit	3515	3260	7836	5420	4418	4099	4162	5528	6364	5770	7255	11210	9010	5064
78	2006 Regional Report Surplus Deficit	4403	3268	6513	4447	4328	3723	5543	7447	8759	10344	9499	11694	9785	5398
79	2007 Regional Report Surplus Deficit	4679	2853	6830	4210	4872	3841	5228	5424	9604	9638	8452	11375	8648	5753
80	2008 Regional Report Surplus Deficit	4618	3297	6632	4851	3935	3097	3368	4579	6644	8365	6459	11476	10208	6143

Ranked Averages

81	**Bottom 10 pct**	**2979**	**2269**	**6435**	**4903**	**4458**	**3161**	**2810**	**4044**	**6584**	**7552**	**7581**	**11336**	**9058**	**5325**
82	**Middle 80 pct**	**4657**	**4368**	**7166**	**5488**	**4935**	**4152**	**4683**	**6240**	**8058**	**8751**	**8415**	**11408**	**8957**	**5614**
83	**Top 10 pct**	**5466**	**5783**	**9036**	**6545**	**5806**	**4325**	**4749**	**6495**	**7855**	**8590**	**8376**	**11319**	**8786**	**5989**

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
1	1929 Regional Report Surplus Deficit	4602	4724	6744	5270	4227	2291	1398	2568	3817	4272	6888	9981	6283	3541
2	1930 Regional Report Surplus Deficit	3549	3173	6549	4658	3957	2150	207	2721	3905	5148	7289	8923	2983	4152
3	1931 Regional Report Surplus Deficit	3661	3077	6141	4299	4205	1943	-413	777	3333	6090	5037	9585	3992	3608
4	1932 Regional Report Surplus Deficit	3664	2331	6148	3737	3092	2085	-1085	655	6615	9986	9339	10452	7763	4388
5	1933 Regional Report Surplus Deficit	4444	3979	6951	5176	3452	3002	4062	6128	7723	9055	8243	9987	8072	5757
6	1934 Regional Report Surplus Deficit	4750	5243	7084	6635	7387	6193	5841	7681	8563	9779	9034	9661	5892	4032
7	1935 Regional Report Surplus Deficit	3539	2997	5868	4895	3193	3350	3782	5812	7660	7963	7708	10083	6660	4874
8	1936 Regional Report Surplus Deficit	4680	4316	6515	4317	3818	2034	650	1701	4582	6872	9210	10619	7504	4201
9	1937 Regional Report Surplus Deficit	3877	3243	6477	4226	4162	1964	266	885	3348	4949	4684	9641	5143	3879
10	1938 Regional Report Surplus Deficit	4047	3162	6478	4560	3318	3877	3400	4881	8439	9841	9782	10477	7629	4742
11	1939 Regional Report Surplus Deficit	4325	3655	6722	5288	3833	2411	2403	3647	6399	8313	8529	10481	4760	3969
12	1940 Regional Report Surplus Deficit	3159	2575	6309	4864	4370	3522	2005	2695	8597	8983	7814	10219	5316	3858
13	1941 Regional Report Surplus Deficit	3244	2149	6118	4742	3331	3345	1114	2540	4384	5093	5845	8958	4356	3500
14	1942 Regional Report Surplus Deficit	2985	2211	6055	4920	4934	3953	3366	4149	6705	6829	8046	9642	6966	5102
15	1943 Regional Report Surplus Deficit	4300	4101	7318	5296	3213	3316	4185	6715	8328	10533	9829	10268	8022	4935
16	1944 Regional Report Surplus Deficit	4601	4545	6844	4258	3963	2355	1522	2622	3812	3943	6940	8218	1991	2754
17	1945 Regional Report Surplus Deficit	2094	1351	5636	4031	3492	1815	102	2242	3880	4118	1372	10346	7389	3839
18	1946 Regional Report Surplus Deficit	4159	3750	6665	4434	3727	3772	3558	5238	7974	9962	9704	10494	7727	5128
19	1947 Regional Report Surplus Deficit	4869	4952	7052	4766	4319	6026	5093	7412	8565	9542	8664	10333	7459	5077
20	1948 Regional Report Surplus Deficit	4221	3710	6835	9040	6811	4768	5156	6471	7534	9473	9514	10469	7307	5610
21	1949 Regional Report Surplus Deficit	4719	5256	8165	5354	4134	3195	3336	4150	8571	10019	9641	10511	7498	3737
22	1950 Regional Report Surplus Deficit	3682	2934	6479	4433	3899	3303	5126	7171	8727	10333	9321	10102	7919	5614
23	1951 Regional Report Surplus Deficit	4924	5377	7337	6746	7360	6248	5819	8077	8758	10448	9524	10418	7412	5437
24	1952 Regional Report Surplus Deficit	4843	5245	7252	8530	5796	4812	4813	6542	8353	10460	9935	10475	7762	4975
25	1953 Regional Report Surplus Deficit	4189	3972	6680	4137	3454	2130	3736	4979	7187	8107	8178	10454	8002	5498
26	1954 Regional Report Surplus Deficit	4502	4741	7120	5104	4562	4219	4858	7212	8347	9902	9023	10317	7584	6048
27	1955 Regional Report Surplus Deficit	5007	5332	10051	5456	5944	3640	2647	3206	4317	7393	7429	9689	7941	6232
28	1956 Regional Report Surplus Deficit	4767	5125	6917	5727	6680	6058	5745	7543	8166	9814	9676	10428	8073	5736
29	1957 Regional Report Surplus Deficit	4907	5317	7191	5688	4099	4419	3750	3919	8083	10361	8655	10569	7832	4805
30	1958 Regional Report Surplus Deficit	4703	3999	6762	5019	4257	3081	4168	5778	7771	9604	9311	10429	7709	4532
31	1959 Regional Report Surplus Deficit	3884	4206	6664	5155	5094	5630	5675	7555	8392	10188	8802	10155	7772	4989
32	1960 Regional Report Surplus Deficit	4819	5253	10018	9694	7453	5316	4465	5100	7920	10222	9199	10237	7587	4663
33	1961 Regional Report Surplus Deficit	4616	4028	6584	5195	4062	3451	4142	6742	8352	9774	7981	10026	7367	4427
34	1962 Regional Report Surplus Deficit	4550	4009	6514	4352	4091	2793	3774	5475	5340	10170	9352	10346	7664	3977
35	1963 Regional Report Surplus Deficit	4427	4001	6581	5333	5754	5246	4436	5980	7377	7978	7910	10680	7277	4749
36	1964 Regional Report Surplus Deficit	4401	4133	7067	4793	3641	3443	2989	3735	5485	9899	7965	10128	8106	6045
37	1965 Regional Report Surplus Deficit	4814	5166	7993	6604	5345	6025	5655	7697	8325	9425	9625	10325	7555	5145
38	1966 Regional Report Surplus Deficit	4898	5278	6862	5665	4827	3780	3733	4595	5620	10086	8524	9878	6776	4742
39	1967 Regional Report Surplus Deficit	4378	4054	6708	4239	3726	3770	5210	7361	8473	8840	5645	10110	7723	5505
40	1968 Regional Report Surplus Deficit	4743	4902	7012	5297	4969	3850	4946	6527	8230	7448	6769	9690	7373	4956
41	1969 Regional Report Surplus Deficit	4677	4979	8624	6982	6808	4814	5421	7369	8217	10030	9391	10564	7747	5130
42	1970 Regional Report Surplus Deficit	4731	4766	6870	5206	4533	2917	4178	5565	7397	8958	6581	10344	7763	4559
43	1971 Regional Report Surplus Deficit	3877	3519	6707	4311	4100	3214	5607	7604	8732	10149	9205	10479	7955	6127
44	1972 Regional Report Surplus Deficit	5145	5453	7840	5878	4546	4192	5561	7405	8727	10398	9171	10528	7744	5904
45	1973 Regional Report Surplus Deficit	4884	5247	8602	5737	4611	3882	4070	4158	4720	3241	6172	9232	5077	3967
46	1974 Regional Report Surplus Deficit	3563	2330	6275	4507	3411	5056	5897	7424	8382	9723	9438	9866	7761	6317
47	1975 Regional Report Surplus Deficit	4952	5280	8084	4787	4302	3323	3711	6292	8171	8132	8046	10503	8013	6588
48	1976 Regional Report Surplus Deficit	4939	5352	7793	7333	7286	6499	5628	7763	8593	10245	9397	10490	7781	5767
49	1977 Regional Report Surplus Deficit	5230	5459	10248	5827	4401	2248	1187	2808	4297	3448	6337	8298	588	3324
50	1978 Regional Report Surplus Deficit	3095	1970	6285	3811	3002	4450	3741	5719	7769	10024	8920	10582	6835	5178
51	1979 Regional Report Surplus Deficit	4413	4050	7785	5847	4439	2939	3069	2722	7637	7532	8051	10656	5777	3683
52	1980 Regional Report Surplus Deficit	2914	2726	6543	4934	3925	2140	2717	3682	4633	8550	9121	10687	7424	4279
53	1981 Regional Report Surplus Deficit	3624	2893	6689	5141	4100	5588	4890	6727	7744	5780	8080	10072	7624	5046
54	1982 Regional Report Surplus Deficit	4449	5054	7461	5214	4772	4387	4839	7642	8827	10260	8958	10205	8029	5788

Regional Report Surplus Deficit By Water Year

Operating Year 2021

2013 White Book Report Date: **10/1/2013** *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	4972	5329	9229	7080	5136	4796	5274	7596	8946	10240	8531	10304	7689	5681
56	1984 Regional Report Surplus Deficit	4648	5432	7650	5520	7659	4770	4892	7203	8563	10220	9072	10403	8135	5693
57	1985 Regional Report Surplus Deficit	5124	5347	7553	5698	5093	3813	3312	4513	6819	9892	9023	10407	6652	3390
58	1986 Regional Report Surplus Deficit	2815	2165	6676	6308	6619	3578	4053	6988	8752	9804	9030	10078	7370	4460
59	1987 Regional Report Surplus Deficit	4194	3451	6655	4611	4071	3990	3134	2450	7272	6829	7347	9755	5922	3847
60	1988 Regional Report Surplus Deficit	2810	1879	6365	4173	3284	1883	554	1113	4079	5939	7716	9870	5144	4250
61	1989 Regional Report Surplus Deficit	3743	2831	6376	4225	3341	3357	1352	2550	6704	9818	9165	10303	6792	3785
62	1990 Regional Report Surplus Deficit	3277	2989	6606	4372	4614	3985	4299	6000	7933	9129	9568	10036	7630	4643
63	1991 Regional Report Surplus Deficit	4662	4757	6730	4038	7079	4861	4784	6903	7919	9789	8270	10090	7364	5248
64	1992 Regional Report Surplus Deficit	4737	5146	6781	4075	3988	2552	2428	2423	6842	5525	6390	9178	3390	3005
65	1993 Regional Report Surplus Deficit	2445	1524	5873	4345	3526	2494	496	825	5626	6638	7924	9837	7013	4413
66	1994 Regional Report Surplus Deficit	4186	3723	6308	4158	4449	2350	755	2138	3854	4812	7284	9406	5918	4111
67	1995 Regional Report Surplus Deficit	3327	2272	6148	3998	3159	2710	1764	6696	8468	8234	7313	10406	7605	4739
68	1996 Regional Report Surplus Deficit	4338	4007	7016	7057	7353	5958	5780	8239	8878	10366	9985	10558	7799	5745
69	1997 Regional Report Surplus Deficit	4838	5231	7101	4963	4631	4735	5916	7403	8751	9871	9816	10279	7709	5981
70	1998 Regional Report Surplus Deficit	5063	5474	9032	9443	6754	4597	3607	5774	7035	7584	8170	10251	7888	5057
71	1999 Regional Report Surplus Deficit	4586	4644	6934	4897	3514	4321	5518	7396	8656	9723	9259	10407	8132	6038
72	2000 Regional Report Surplus Deficit	5303	5668	8213	5487	7387	5328	4430	6065	7978	10373	9592	10163	7146	4799
73	2001 Regional Report Surplus Deficit	4801	3310	6744	4938	4007	2225	1160	2453	4354	3994	6855	8937	-105	2783
74	2002 Regional Report Surplus Deficit	2097	1310	5924	3183	3105	2938	1400	2931	5318	9199	9117	9831	7493	5387
75	2003 Regional Report Surplus Deficit	4775	4340	6626	3544	4141	2261	812	2238	7927	9000	8047	9674	7550	3876
76	2004 Regional Report Surplus Deficit	2739	2062	6371	4623	3890	3827	1532	2127	7112	8030	7604	9924	6807	3896
77	2005 Regional Report Surplus Deficit	3150	2896	7581	5081	4057	3766	3129	4491	5545	5606	7164	9900	6906	4193
78	2006 Regional Report Surplus Deficit	4038	2904	6259	4108	3967	3390	4510	6410	7942	10177	9418	10396	7711	4528
79	2007 Regional Report Surplus Deficit	4314	2490	6576	3872	4511	3508	4196	4386	8785	9476	8363	10068	6539	4881
80	2008 Regional Report Surplus Deficit	4253	2934	6377	4513	3574	2765	2336	3542	5826	8202	6370	10164	8118	5274
	Ranked Averages														
81	**Bottom 10 pct**	**2612**	**1903**	**6180**	**4565**	**4097**	**2829**	**1778**	**3007**	**5763**	**7389**	**7491**	**10027**	**6951**	**4453**
82	**Middle 80 pct**	**4290**	**4003**	**6911**	**5150**	**4574**	**3819**	**3650**	**5202**	**7239**	**8587**	**8328**	**10103**	**6864**	**4742**
83	**Top 10 pct**	**5100**	**5418**	**8781**	**6207**	**5445**	**3992**	**3716**	**5457**	**7036**	**8433**	**8287**	**10018**	**6708**	**5122**

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	3695	3789	5915	4406	3408	1316	1094	2245	3529	2194	5405	11457	7197	3204
2	1930 Regional Report Surplus Deficit	2642	2238	5721	3795	3138	1176	-97.2	2398	3620	3071	5806	10399	3895	3815
3	1931 Regional Report Surplus Deficit	2754	2142	5313	3436	3386	969	-717	454	3045	4012	3554	11060	4904	3271
4	1932 Regional Report Surplus Deficit	2757	1396	5319	2874	2273	1110	-1390	331	6331	7898	7878	11936	8754	4051
5	1933 Regional Report Surplus Deficit	3537	3044	6123	4313	2633	2028	3757	5804	7436	6980	6761	11468	9087	5430
6	1934 Regional Report Surplus Deficit	3843	4308	6255	5771	6568	5219	5536	7356	8277	7682	7562	11143	6808	3695
7	1935 Regional Report Surplus Deficit	2632	2062	5039	4032	2374	2375	3477	5489	7372	5887	6225	11570	7577	4538
8	1936 Regional Report Surplus Deficit	3772	3381	5686	3454	2999	1060	346	1377	4295	4826	7731	12098	8515	3866
9	1937 Regional Report Surplus Deficit	2970	2308	5649	3363	3342	989	-38.6	561	3060	2872	3202	11122	6057	3542
10	1938 Regional Report Surplus Deficit	3139	2227	5649	3697	2499	2903	3096	4557	8154	7836	8320	11937	8577	4425
11	1939 Regional Report Surplus Deficit	3417	2720	5894	4425	3014	1437	2099	3323	6112	6244	7050	11980	5675	3632
12	1940 Regional Report Surplus Deficit	2251	1640	5480	4001	3550	2547	1701	2371	8316	6913	6338	11703	6229	3521
13	1941 Regional Report Surplus Deficit	2337	1214	5289	3879	2512	2370	810	2217	4101	3019	4365	10437	5271	3163
14	1942 Regional Report Surplus Deficit	2078	1276	5227	4057	4115	2979	3062	3825	6421	4775	6573	11124	7904	4770
15	1943 Regional Report Surplus Deficit	3393	3166	6489	4433	2394	2342	3881	6391	8043	8366	8446	11744	9127	4599
16	1944 Regional Report Surplus Deficit	3694	3610	6016	3394	3144	1380	1218	2299	3524	1865	5457	9693	2903	2417
17	1945 Regional Report Surplus Deficit	1186	416	4807	3168	2672	840	-202	1918	3592	2043	-111	11841	8347	3461
18	1946 Regional Report Surplus Deficit	3252	2815	5837	3571	2908	2797	3254	4915	7688	7954	8254	11972	8705	4799
19	1947 Regional Report Surplus Deficit	3962	4017	6224	3903	3500	5051	4789	7088	8286	7491	7209	11817	8447	4743
20	1948 Regional Report Surplus Deficit	3314	2775	6006	8177	5992	3793	4852	6147	7246	7434	8041	11944	8405	5283
21	1949 Regional Report Surplus Deficit	3812	4321	7337	4491	3315	2220	3032	3826	8292	7989	8183	11995	8488	3424
22	1950 Regional Report Surplus Deficit	2775	1999	5650	3570	3080	2328	4822	6846	8436	8259	7883	11589	8988	5285
23	1951 Regional Report Surplus Deficit	4016	4442	6509	5883	6541	5273	5512	7751	8468	8387	8079	11907	8371	5108
24	1952 Regional Report Surplus Deficit	3936	4310	6424	7667	4977	3837	4509	6219	8068	8397	8490	11945	8758	4655
25	1953 Regional Report Surplus Deficit	3282	3037	5852	3274	2635	1156	3432	4655	6900	6032	6697	11937	9104	5165
26	1954 Regional Report Surplus Deficit	3595	3806	6292	4241	3743	3244	4554	6889	8062	7852	7561	11809	8613	5800
27	1955 Regional Report Surplus Deficit	4099	4397	9223	4593	5125	2665	2343	2883	4031	5316	5946	11169	8964	5935
28	1956 Regional Report Surplus Deficit	3860	4190	6089	4864	5861	5083	5441	7217	7875	7753	8209	11907	9181	5413
29	1957 Regional Report Surplus Deficit	4000	4382	6362	4825	3280	3445	3445	3595	7802	8280	7200	12052	8842	4469
30	1958 Regional Report Surplus Deficit	3796	3063	5934	4156	3438	2106	3864	5455	7485	7561	7848	11902	8724	4195
31	1959 Regional Report Surplus Deficit	2977	3271	5836	4292	4275	4655	5371	7231	8106	8121	7338	11652	8778	4653
32	1960 Regional Report Surplus Deficit	3912	4318	9190	8831	6633	4342	4161	4776	7633	8082	7753	11722	8536	4326
33	1961 Regional Report Surplus Deficit	3709	3093	5755	4332	3243	2476	3838	6418	8065	7698	6501	11516	8351	4090
34	1962 Regional Report Surplus Deficit	3643	3074	5686	3489	3272	1818	3470	5152	5052	8048	7919	11827	8640	3640
35	1963 Regional Report Surplus Deficit	3520	3066	5753	4469	4935	4271	4132	5657	7089	5910	6434	12169	8202	4415
36	1964 Regional Report Surplus Deficit	3494	3198	6239	3930	2822	2468	2685	3412	5198	7826	6497	11620	9182	5750
37	1965 Regional Report Surplus Deficit	3906	4231	7164	5740	4526	5050	5348	7372	8035	7380	8147	11812	8515	4833
38	1966 Regional Report Surplus Deficit	3991	4343	6034	4802	4008	2805	3429	4272	5333	8005	7082	11359	7698	4405
39	1967 Regional Report Surplus Deficit	3471	3119	5879	3376	2907	2796	4905	7035	8182	6766	4169	11594	8826	5181
40	1968 Regional Report Surplus Deficit	3836	3967	6184	4433	4150	2875	4642	6204	7951	5372	5293	11170	8385	4638
41	1969 Regional Report Surplus Deficit	3770	4044	7796	6119	5988	3839	5116	7043	7927	7967	8016	12039	8759	4808
42	1970 Regional Report Surplus Deficit	3824	3831	6042	4343	3714	1942	3874	5241	7116	6884	5102	11837	8786	4241
43	1971 Regional Report Surplus Deficit	2970	2584	5879	3448	3281	2239	5300	7279	8437	8115	7788	11964	9130	5851
44	1972 Regional Report Surplus Deficit	4238	4518	7012	5014	3727	3217	5257	7080	8439	8308	7820	12007	8841	5624
45	1973 Regional Report Surplus Deficit	3977	4312	7774	4873	3792	2908	3766	3835	4436	1163	4689	10709	5989	3630
46	1974 Regional Report Surplus Deficit	2656	1395	5447	3644	2592	4081	5593	7101	8094	7660	8117	11252	8872	6149
47	1975 Regional Report Surplus Deficit	4045	4345	7255	3924	3483	2349	3407	5969	7886	6078	6580	11987	9103	6309
48	1976 Regional Report Surplus Deficit	4032	4417	6965	6470	6467	5523	5323	7437	8309	8151	7935	11973	8747	5463
49	1977 Regional Report Surplus Deficit	4323	4524	9420	4964	3582	1273	883	2484	4009	1371	4854	9772	1500	2987
50	1978 Regional Report Surplus Deficit	2188	1035	5457	2947	2183	3475	3436	5396	7483	7945	7489	12067	7751	4842
51	1979 Regional Report Surplus Deficit	3505	3115	6957	4984	3620	1964	2765	2399	7350	5455	6568	12144	6692	3346
52	1980 Regional Report Surplus Deficit	2007	1791	5714	4071	3106	1166	2413	3359	4347	6504	7649	12171	8360	3905
53	1981 Regional Report Surplus Deficit	2717	1958	5861	4278	3281	4614	4586	6403	7458	3706	6599	11553	8605	4712
54	1982 Regional Report Surplus Deficit	3542	4119	6633	4350	3953	3413	4535	7316	8486	8217	7537	11679	9016	5455

Regional Report Surplus Deficit By Water Year

Operating Year 2022

2013 White Book Report Date: **10/1/2013** *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	4065	4394	8401	6217	4317	3821	4970	7272	8642	8189	7098	11783	8749	5388
56	1984 Regional Report Surplus Deficit	3741	4497	6822	4656	6840	3795	4588	6879	8282	8106	7617	11892	9180	5367
57	1985 Regional Report Surplus Deficit	4217	4412	6725	4835	4273	2838	3008	4190	6533	7832	7551	11893	7575	3053
58	1986 Regional Report Surplus Deficit	1908	1230	5848	5445	5800	2603	3749	6664	8379	7739	7577	11565	8330	4142
59	1987 Regional Report Surplus Deficit	3286	2516	5827	3748	3252	3015	2830	2126	6988	4753	5865	11236	6836	3510
60	1988 Regional Report Surplus Deficit	1902	944	5537	3309	2465	908	250	789	3791	3861	6234	11344	6056	3913
61	1989 Regional Report Surplus Deficit	2836	1896	5548	3362	2522	2382	1048	2226	6419	7813	7705	11784	7707	3448
62	1990 Regional Report Surplus Deficit	2370	2054	5778	3508	3795	3010	3995	5676	7645	7069	8088	11518	8564	4306
63	1991 Regional Report Surplus Deficit	3755	3822	5902	3175	6260	3887	4479	6579	7631	7713	6790	11574	8301	4939
64	1992 Regional Report Surplus Deficit	3830	4211	5953	3212	3169	1577	2123	2099	6554	3448	4907	10653	4302	2668
65	1993 Regional Report Surplus Deficit	1538	589	5045	3482	2707	1519	191	501	5340	4567	6444	11332	7933	4076
66	1994 Regional Report Surplus Deficit	3279	2788	5480	3295	3630	1375	451	1815	3566	2734	5801	10882	6831	3774
67	1995 Regional Report Surplus Deficit	2419	1337	5320	3134	2340	1736	1459	6372	8190	6166	5839	11895	8623	4420
68	1996 Regional Report Surplus Deficit	3431	3072	6187	6194	6534	4983	5473	7914	8531	8430	8604	12034	8837	5442
69	1997 Regional Report Surplus Deficit	3931	4296	6273	4099	3811	3760	5609	7079	8463	7811	8372	11770	8754	5698
70	1998 Regional Report Surplus Deficit	4156	4539	8204	8580	5934	3622	3302	5451	6749	5517	6693	11724	8896	4743
71	1999 Regional Report Surplus Deficit	3679	3709	6106	4034	2695	3347	5213	7070	8364	7723	7818	11897	9216	5753
72	2000 Regional Report Surplus Deficit	4396	4733	7385	4624	6568	4353	4125	5742	7692	8310	8138	11655	8078	4463
73	2001 Regional Report Surplus Deficit	3894	2375	5916	4075	3188	1251	856	2129	4067	1916	5372	10412	807	2446
74	2002 Regional Report Surplus Deficit	1189	375	5096	2319	2286	1964	1096	2608	5031	7139	7639	11309	8452	5058
75	2003 Regional Report Surplus Deficit	3868	3405	5798	2680	3322	1287	508	1914	7640	6926	6567	11158	8492	3499
76	2004 Regional Report Surplus Deficit	1831	1127	5543	3760	3071	2853	1228	1803	6825	5955	6123	11401	7721	3557
77	2005 Regional Report Surplus Deficit	2243	1961	6753	4218	3238	2791	2825	4167	5258	3529	5681	11386	7828	3856
78	2006 Regional Report Surplus Deficit	3131	1969	5431	3245	3148	2415	4206	6086	7655	8028	8007	11869	8789	4210
79	2007 Regional Report Surplus Deficit	3407	1555	5748	3009	3692	2534	3892	4063	8500	7403	6885	11555	7456	4546
80	2008 Regional Report Surplus Deficit	3345	1999	5549	3650	2755	1790	2031	3219	5538	6125	4887	11651	9126	4938

Ranked Averages

81	**Bottom 10 pct**	**1705**	**968**	**5352**	**3701**	**3278**	**1854**	**1473**	**2684**	**5466**	**5323**	**6016**	**11511**	**7888**	**4110**
82	**Middle 80 pct**	**3383**	**3068**	**6082**	**4287**	**3755**	**2844**	**3346**	**4878**	**6951**	**6519**	**6868**	**11584**	**7849**	**4418**
83	**Top 10 pct**	**4192**	**4483**	**7953**	**5344**	**4626**	**3017**	**3412**	**5134**	**6748**	**6365**	**6835**	**11499**	**7713**	**4813**

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013**

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
1	1929 Regional Report Surplus Deficit	3240	3495	5608	4109	3086	963	686	1872	3201	2478	5234	9942	5589	2795
2	1930 Regional Report Surplus Deficit	2187	1944	5414	3497	2815	822	-504	2025	3292	3355	5636	8885	2287	3405
3	1931 Regional Report Surplus Deficit	2299	1848	5005	3138	3063	615	-1125	80.5	2718	4296	3383	9546	3296	2862
4	1932 Regional Report Surplus Deficit	2302	1102	5012	2576	1951	757	-1797	-41.6	6003	8182	7708	10428	7145	3642
5	1933 Regional Report Surplus Deficit	3081	2750	5815	4015	2311	1674	3350	5431	7109	7264	6591	9954	7454	5020
6	1934 Regional Report Surplus Deficit	3388	4014	5948	5474	6246	4865	5129	6980	7949	7966	7392	9628	5200	3286
7	1935 Regional Report Surplus Deficit	2177	1768	4732	3734	2052	2022	3070	5116	7045	6171	6055	10056	5969	4128
8	1936 Regional Report Surplus Deficit	3317	3087	5379	3156	2677	706	-60.9	1004	3967	5110	7561	10598	6907	3457
9	1937 Regional Report Surplus Deficit	2514	2014	5341	3066	3020	636	-446	188	2732	3156	3031	9607	4449	3132
10	1938 Regional Report Surplus Deficit	2684	1933	5342	3399	2177	2549	2689	4184	7827	8120	8150	10466	6969	4015
11	1939 Regional Report Surplus Deficit	2962	2426	5586	4128	2692	1083	1692	2950	5785	6528	6879	10468	4067	3222
12	1940 Regional Report Surplus Deficit	1796	1346	5173	3703	3228	2194	1294	1998	7988	7197	6167	10189	4621	3111
13	1941 Regional Report Surplus Deficit	1881	920	4982	3581	2190	2017	403	1844	3773	3303	4195	8923	3663	2753
14	1942 Regional Report Surplus Deficit	1622	982	4919	3759	3793	2625	2655	3452	6094	5059	6403	9610	6296	4360
15	1943 Regional Report Surplus Deficit	2938	2872	6182	4135	2072	1988	3474	6018	7715	8650	8275	10256	7404	4190
16	1944 Regional Report Surplus Deficit	3238	3316	5709	3097	2822	1027	811	1926	3196	2150	5286	8179	1296	2007
17	1945 Regional Report Surplus Deficit	731	122	4500	2870	2350	487	-609	1545	3265	2327	-282	10326	6739	3051
18	1946 Regional Report Surplus Deficit	2797	2521	5529	3274	2585	2443	2847	4541	7361	8238	8083	10477	7097	4389
19	1947 Regional Report Surplus Deficit	3488	3723	5916	3606	3178	4698	4381	6715	7958	7775	7039	10316	6839	4333
20	1948 Regional Report Surplus Deficit	2859	2481	5699	7879	5669	3439	4444	5774	6919	7718	7870	10440	6687	4873
21	1949 Regional Report Surplus Deficit	3357	4027	7030	4194	2992	1867	2625	3453	7964	8273	8012	10488	6880	3015
22	1950 Regional Report Surplus Deficit	2320	1705	5343	3273	2757	1974	4415	6470	8107	8544	7713	10088	7308	4875
23	1951 Regional Report Surplus Deficit	3561	4148	6201	5585	6219	4920	5103	7376	8138	8669	7909	10403	6763	4699
24	1952 Regional Report Surplus Deficit	3481	4016	6116	7369	4655	3484	4102	5846	7740	8681	8320	10441	7146	4250
25	1953 Regional Report Surplus Deficit	2814	2743	5544	2976	2313	802	3025	4282	6573	6316	6526	10435	7382	4755
26	1954 Regional Report Surplus Deficit	3139	3512	5984	3943	3421	2891	4147	6516	7734	8137	7391	10303	6972	5391
27	1955 Regional Report Surplus Deficit	3644	4103	8915	4296	4803	2312	1936	2510	3703	5600	5775	9655	7321	5525
28	1956 Regional Report Surplus Deficit	3404	3896	5781	4566	5538	4730	5034	6841	7546	8035	8036	10408	7430	5003
29	1957 Regional Report Surplus Deficit	3544	4088	6055	4528	2958	3091	3038	3222	7475	8564	7030	10543	7220	4059
30	1958 Regional Report Surplus Deficit	3340	2770	5626	3858	3116	1753	3457	5082	7157	7845	7677	10404	7091	3786
31	1959 Regional Report Surplus Deficit	2522	2978	5528	3994	3953	4302	4964	6858	7778	8405	7167	10137	7153	4243
32	1960 Regional Report Surplus Deficit	3457	4024	8882	8534	6311	3988	3754	4403	7306	8366	7583	10208	6928	3916
33	1961 Regional Report Surplus Deficit	3253	2799	5448	4034	2921	2123	3431	6045	7738	7982	6331	10002	6743	3680
34	1962 Regional Report Surplus Deficit	3187	2780	5378	3191	2950	1465	3063	4779	4724	8332	7749	10327	7032	3230
35	1963 Regional Report Surplus Deficit	3064	2772	5445	4172	4613	3918	3725	5284	6762	6194	6263	10654	6595	4005
36	1964 Regional Report Surplus Deficit	3039	2904	5931	3633	2500	2115	2278	3039	4870	8110	6326	10105	7487	5340
37	1965 Regional Report Surplus Deficit	3451	3937	6857	5443	4204	4697	4939	6996	7706	7664	7977	10305	6908	4424
38	1966 Regional Report Surplus Deficit	3536	4049	5726	4504	3686	2452	3022	3899	5005	8289	6911	9844	6090	3995
39	1967 Regional Report Surplus Deficit	3015	2826	5572	3078	2585	2442	4498	6659	7853	7051	3998	10114	7107	4771
40	1968 Regional Report Surplus Deficit	3381	3674	5877	4136	3828	2522	4235	5831	7623	5656	5122	9656	6763	4235
41	1969 Regional Report Surplus Deficit	3314	3750	7488	5822	5666	3486	4709	6668	7597	8249	7845	10537	7142	4403
42	1970 Regional Report Surplus Deficit	3369	3537	5734	4046	3391	1589	3467	4868	6789	7168	4932	10322	7143	3869
43	1971 Regional Report Surplus Deficit	2515	2290	5571	3151	2959	1886	4890	6903	8109	8399	7617	10458	7338	5441
44	1972 Regional Report Surplus Deficit	3782	4224	6704	4717	3405	2864	4850	6704	8108	8592	7649	10505	7124	5215
45	1973 Regional Report Surplus Deficit	3522	4018	7466	4576	3470	2554	3359	3462	4108	1447	4519	9195	4381	3221
46	1974 Regional Report Surplus Deficit	2201	1101	5140	3346	2270	3728	5186	6728	7763	7943	7944	9802	7081	5739
47	1975 Regional Report Surplus Deficit	3590	4051	6948	3627	3160	1995	3000	5596	7558	6362	6410	10498	7341	5904
48	1976 Regional Report Surplus Deficit	3576	4123	6657	6173	6145	5167	4916	7061	7981	8435	7765	10466	7139	5054
49	1977 Regional Report Surplus Deficit	3868	4230	9113	4667	3260	920	476	2111	3681	1655	4683	8257	-107	2577
50	1978 Regional Report Surplus Deficit	1732	741	5149	2650	1861	3122	3029	5023	7155	8230	7319	10565	6143	4432
51	1979 Regional Report Surplus Deficit	3050	2821	6650	4686	3298	1611	2358	2026	7022	5739	6398	10633	5084	2936
52	1980 Regional Report Surplus Deficit	1552	1497	5407	3773	2784	812	2006	2986	4019	6788	7478	10664	6753	3496
53	1981 Regional Report Surplus Deficit	2261	1664	5553	3980	2959	4260	4179	6030	7130	3990	6428	10039	6997	4302
54	1982 Regional Report Surplus Deficit	3086	3825	6325	4053	3631	3059	4128	6940	8172	8501	7367	10183	7408	5045

Regional Report Surplus Deficit By Water Year

Operating Year 2023

2013 White Book Report Date: **10/1/2013** *Continued*

S110-WB-20131023-150804

	1Hr-MW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
55	1983 Regional Report Surplus Deficit	3609	4100	8093	5920	3995	3468	4563	6899	8318	8473	6928	10289	7081	5007
56	1984 Regional Report Surplus Deficit	3286	4203	6514	4359	6518	3442	4181	6506	7954	8390	7447	10377	7516	4957
57	1985 Regional Report Surplus Deficit	3762	4118	6417	4537	3951	2485	2601	3817	6205	8116	7380	10383	5967	2644
58	1986 Regional Report Surplus Deficit	1452	936	5540	5148	5478	2250	3342	6291	8093	8022	7406	10051	6727	3732
59	1987 Regional Report Surplus Deficit	2831	2222	5519	3450	2930	2662	2423	1753	6661	5037	5694	9721	5228	3100
60	1988 Regional Report Surplus Deficit	1447	650	5229	3012	2142	555	-157	416	3464	4145	6063	9830	4449	3504
61	1989 Regional Report Surplus Deficit	2381	1602	5240	3064	2200	2029	641	1853	6092	8097	7534	10269	6100	3038
62	1990 Regional Report Surplus Deficit	1914	1760	5470	3211	3472	2657	3588	5303	7317	7353	7917	10003	6957	3897
63	1991 Regional Report Surplus Deficit	3300	3528	5594	2878	5937	3533	4072	6206	7304	7997	6619	10060	6693	4530
64	1992 Regional Report Surplus Deficit	3374	3917	5645	2914	2846	1224	1716	1726	6227	3732	4737	9139	2694	2258
65	1993 Regional Report Surplus Deficit	1083	295	4737	3185	2385	1166	-216	128	5013	4851	6273	9818	6325	3667
66	1994 Regional Report Surplus Deficit	2824	2494	5172	2998	3308	1022	43.7	1442	3238	3018	5631	9367	5223	3364
67	1995 Regional Report Surplus Deficit	1964	1043	5012	2837	2018	1382	1052	5999	7862	6450	5668	10381	6997	4033
68	1996 Regional Report Surplus Deficit	2972	2778	5880	5896	6212	4630	5064	7538	8219	8716	8432	10539	7179	5042
69	1997 Regional Report Surplus Deficit	3476	4002	5965	3802	3489	3407	5200	6706	8133	8093	8202	10257	7089	5288
70	1998 Regional Report Surplus Deficit	3701	4245	7896	8282	5612	3269	2895	5078	6421	5801	6522	10227	7269	4377
71	1999 Regional Report Surplus Deficit	3223	3415	5798	3737	2373	2993	4806	6694	8034	8007	7648	10394	7512	5343
72	2000 Regional Report Surplus Deficit	3940	4440	7078	4327	6246	3999	3718	5368	7364	8594	7968	10141	6470	4053
73	2001 Regional Report Surplus Deficit	3438	2082	5608	3777	2866	897	449	1756	3739	2200	5201	8898	-800	2036
74	2002 Regional Report Surplus Deficit	734	81.1	4788	2022	1964	1610	689	2235	4704	7423	7468	9794	6844	4649
75	2003 Regional Report Surplus Deficit	3413	3111	5490	2383	3000	933	101	1541	7313	7210	6396	9644	6885	3090
76	2004 Regional Report Surplus Deficit	1376	833	5235	3462	2749	2499	821	1430	6497	6239	5952	9886	6113	3147
77	2005 Regional Report Surplus Deficit	1788	1667	6445	3921	2915	2438	2418	3794	4930	3813	5510	9871	6221	3446
78	2006 Regional Report Surplus Deficit	2675	1676	5123	2948	2826	2062	3799	5713	7328	8313	7836	10363	7102	3837
79	2007 Regional Report Surplus Deficit	2952	1261	5440	2711	3370	2180	3485	3690	8173	7687	6714	10041	5848	4136
80	2008 Regional Report Surplus Deficit	2890	1705	5241	3352	2433	1437	1624	2846	5210	6409	4716	10142	7502	4528

Ranked Averages

81	**Bottom 10 pct**	**1250**	**675**	**5044**	**3404**	**2956**	**1501**	**1066**	**2310**	**5144**	**5607**	**5845**	**9997**	**6281**	**3701**
82	**Middle 80 pct**	**2927**	**2774**	**5775**	**3989**	**3433**	**2491**	**2939**	**4504**	**6623**	**6803**	**6697**	**10076**	**6215**	**4010**
83	**Top 10 pct**	**3737**	**4189**	**7645**	**5046**	**4304**	**2664**	**3005**	**4760**	**6420**	**6649**	**6664**	**9994**	**6058**	**4413**

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BONNEVILLE POWER ADMINISTRATION
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