2012 Pacific Northwest Loads and Resources Study

Technical Appendix, Volume 1: Energy Analysis

October 2012
(Includes 6/6/2013 errata)

2012 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY
The White Book

TECHNICAL APPENDIX

Volume 1

Energy Analysis

BONNEVILLE POWER ADMINISTRATION
October 2012

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ACKNOWLEDGMENTS

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

Bonneville Power Administration

Generation Asset Management:

Long Term Power Planning Group
Regional Coordination Group
Operational Planning Group

Customer Support Services:

Load Forecasting and Analysis Group

Bulk Marketing and Transmission Services:

Long Term Sales and Purchasing Group

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Section 1: Annual Energy Operating Year 2014 to 2023

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Exhibit 1
Federal Report Surplus Deficit

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Federal Report Surplus Deficit

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Firm Obligations										
1	**Non-Utility Obligation**	611	613	613	626	641	651	657	662	664	665
2	Federal Agencies	123	125	125	138	153	163	169	174	176	177
3	USBR Obligation	176	176	176	176	176	176	176	176	176	176
4	DSI Obligation	312	312	312	312	312	312	312	312	312	312
5	**Transfers Out**	7604	7609	7617	7601	7632	7581	7617	7597	7659	7635
6	Load Following 2012 PSC	3134	3187	3206	3235	3248	3273	3300	3334	3363	3384
7	Slice Block 2012 PSC	1817	1886	1845	1876	1853	1881	1854	1845	1845	1845
8	Slice Right to Power 2012 PSC	1943	1877	1907	1860	1907	1891	1932	1892	1931	1890
9	Exports	595	565	565	535	531	525	520	515	510	506
10	Intra-Regional Transfers (Out)	115	93.6	93.9	93.6	93.6	10.3	10.3	10.3	10.3	10.3
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8216**	**8222**	**8230**	**8227**	**8273**	**8232**	**8274**	**8259**	**8323**	**8300**
	Net Resources										
13	**Net Hydro**	6917	6833	6811	6815	6815	6814	6811	6814	6802	6800
14	Regulated Hydro - Net	6563	6479	6458	6461	6461	6461	6458	6461	6461	6461
15	Independent Hydro - Net	354	354	353	354	354	354	353	354	342	340
16	**Other Resources**	1112	960	1106	941	1093	941	1093	941	1093	941
17	Cogeneration Resources	19.2	19.2	13.1	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	878	1030	878	1030	878	1030	878	1030	878
20	Renewable Resources	60.3	60.3	60.2	60.3	60.3	60.3	60.2	60.3	60.3	60.3
21	Small Hydro Resources	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	437	375	377	360	318	317	232	222	222	222
24	Imports	52.7	52.3	46.1	30.6	30.6	30.6	30.5	30.6	30.6	30.6
25	Intra-Regional Transfers (In)	211	151	160	160	118	118	34.3	25.8	25.8	25.8
26	Non-Federal CER	136	136	135	135	133	132	131	130	130	130
27	Slice Transmission Loss Return	36.6	35.4	35.9	35.0	35.7	35.3	36.1	35.3	36.1	35.3
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-239	-230	-234	-229	-232	-228	-229	-225	-229	-225
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-239	-230	-234	-229	-232	-228	-229	-225	-229	-225
35	**Total Net Resources**	**8227**	**7937**	**8061**	**7887**	**7994**	**7844**	**7907**	**7752**	**7889**	**7739**
36	**Total Surplus/Deficit**	**11.5**	**-284**	**-169**	**-340**	**-280**	**-388**	**-367**	**-507**	**-434**	**-561**

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Exhibit 2
Regional Report Surplus Deficit

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Regional Report Surplus Deficit

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Firm Loads										
1	**Regional Firm Loads**	21614	22116	22533	22910	23230	23541	23837	24158	24457	24745
2	Federal Agency	133	135	135	148	163	173	179	184	186	187
3	USBR	176	176	176	176	176	176	176	176	176	176
4	Cooperative	1885	1932	1972	2024	2054	2099	2140	2193	2235	2263
5	Municipality	2741	2770	2803	2831	2854	2876	2895	2918	2938	2958
6	Public Utility District	4449	4510	4555	4603	4655	4706	4751	4807	4856	4909
7	Investor-Owned Utility	11401	11726	11980	12206	12406	12588	12772	12954	13139	13324
8	Marketer	386	388	390	391	392	393	394	396	397	398
9	Direct-Service Industry	442	479	522	530	530	530	530	530	530	530
10	**Exports**	1555	1471	1420	1386	1358	1360	1363	1359	1310	1282
11	Canada	542	517	526	521	523	518	513	508	503	498
12	East Continental Divide	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4	14.4
13	Inland Southwest	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
14	Pacific Southwest	983	924	865	835	806	813	821	822	778	754
15	Other	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**23169**	**23586**	**23953**	**24295**	**24588**	**24901**	**25200**	**25517**	**25767**	**26027**
	Non-Firm Loads										
19	**Regional Non-Firm Loads**	10.6	10.6	10.7	10.6	10.6	10.6	10.7	10.7	10.7	10.7
20	Federal Agency	0	0	0	0	0	0	0	0	0	0
21	USBR	0	0	0	0	0	0	0	0	0	0
22	Cooperative	0	0	0	0	0	0	0	0	0	0
23	Municipality	0	0	0	0	0	0	0	0	0	0
24	Public Utility District	10.6	10.6	10.7	10.6	10.6	10.6	10.7	10.7	10.7	10.7
25	Investor-Owned Utility	0	0	0	0	0	0	0	0	0	0
26	Direct-Service Industry	0	0	0	0	0	0	0	0	0	0
27	Marketer	0	0	0	0	0	0	0	0	0	0
28	**Total Non-Firm Loads**	**10.6**	**10.6**	**10.7**	**10.6**	**10.6**	**10.6**	**10.7**	**10.7**	**10.7**	**10.7**
	Resources										
29	**Hydro**	11953	11741	11749	11754	11754	11754	11748	11754	11754	11754
30	Regulated Hydro - Net	10902	10690	10699	10703	10703	10703	10698	10703	10703	10703
31	Independent Hydro - Net	1051	1051	1050	1051	1051	1051	1050	1051	1051	1051
32	**Other Resources**	14626	14529	14621	14466	14724	14519	14640	13926	13598	13397
33	Cogeneration Resources	2633	2636	2632	2635	2639	2623	2637	2642	2622	2636
34	Combustion Turbine Resources	3390	3390	3385	3393	3390	3409	3403	3405	3405	3410
35	Large Thermal Resources	6358	6257	6361	6189	6449	6241	6354	5630	5324	5104
36	Renewable Resources	1954	1956	1953	1958	1956	1957	1956	1958	1957	1957
37	Small Hydro	253	253	253	253	253	252	252	253	253	253
38	Small Thermal & Miscellaneous	37.8	37.8	37.8	37.8	37.5	37.5	37.5	37.5	37.5	37.5
39	**Imports**	1085	1382	1349	1509	1465	1559	1496	1655	1603	1734
40	Canada	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
41	East of Continental Divide	302	304	306	308	310	311	313	315	317	318
42	Inland Southwest	461	468	473	476	480	484	487	491	494	498
43	Pacific Southwest	106	106	75.4	59.6	59.6	47.1	47.2	47.1	47.1	47.1
44	Other	148	435	426	597	547	648	580	733	676	802
45	**Reserves & Losses**	-780	-780	-782	-782	-788	-785	-786	-771	-760	-758
46	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0
47	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0

Regional Report Surplus Deficit

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308Continued

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
48	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0
49	Load Following Reserves	0	0	0	0	0	0	0	0	0	0
50	Transmission Losses	-780	-780	-782	-782	-788	-785	-786	-771	-760	-758
51	**Total Resources**	**26884**	**26872**	**26936**	**26948**	**27156**	**27047**	**27098**	**26564**	**26194**	**26127**
52	**Total Surplus/Deficit**	**3704**	**3275**	**2973**	**2642**	**2557**	**2136**	**1888**	**1036**	**417**	**89.8**

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Exhibit 3
Table A-1: Regional Total Retail Loads

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-1: Regional: Total Retail Loads

Operating Year 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Firm Loads											
1	Federal Agency	133	135	135	148	163	173	179	184	186	187
2	USBR	176	176	176	176	176	176	176	176	176	176
3	Cooperative	1885	1932	1972	2024	2054	2099	2140	2193	2235	2263
4	Municipality	2741	2770	2803	2831	2854	2876	2895	2918	2938	2958
5	Public Utility District	4449	4510	4555	4603	4655	4706	4751	4807	4856	4909
6	Investor-Owned Utility	11401	11726	11980	12206	12406	12588	12772	12954	13139	13324
7	Marketer	386	388	390	391	392	393	394	396	397	398
8	Direct-Service Industry	442	479	522	530	530	530	530	530	530	530
9	**Total Firm Loads**	**21614**	**22116**	**22533**	**22910**	**23230**	**23541**	**23837**	**24158**	**24457**	**24745**
Non-Firm Loads											
10	Public Utility District	10.6	10.6	10.7	10.6	10.6	10.6	10.7	10.7	10.7	10.7
11	**Total Non-Firm Loads**	**10.6**	**10.6**	**10.7**	**10.6**	**10.6**	**10.6**	**10.7**	**10.7**	**10.7**	**10.7**
Total Regional Loads (Firm+Non-Firm)											
12	Federal Agency	133	135	135	148	163	173	179	184	186	187
13	USBR	176	176	176	176	176	176	176	176	176	176
14	Cooperative	1885	1932	1972	2024	2054	2099	2140	2193	2235	2263
15	Municipality	2741	2770	2803	2831	2854	2876	2895	2918	2938	2958
16	Public Utility District	4459	4521	4566	4614	4665	4716	4761	4818	4867	4920
17	Investor-Owned Utility	11401	11726	11980	12206	12406	12588	12772	12954	13139	13324
18	Marketer	386	388	390	391	392	393	394	396	397	398
19	Direct-Service Industry	442	479	522	530	530	530	530	530	530	530
20	**Total Loads**	**21625**	**22126**	**22544**	**22920**	**23241**	**23552**	**23847**	**24169**	**24468**	**24756**

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Exhibit 4
Table A-2: Regional Exports

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-2: Regional Exports

Operating Year 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Canada										
1	BPA-P to BCHP Trty LCADel	39.5	39.5	39.7	39.5	39.5	39.5	39.7	39.5	39.5	39.5
2	BPA-P to BCHP Trty CEA	488	464	472	468	469	464	459	454	449	445
3	BPA-P to BCHP NTSA Del	14.4	14.3	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
4	**Total Exports to CAN**	**542**	**517**	**526**	**521**	**523**	**518**	**513**	**508**	**503**	**498**
	East Continental Divide										
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	7.56	7.56	7.57	7.56	7.56	7.56	7.57	7.56	7.56	7.56
7	**Total Exports to ECD**	**14.4**	**14.4**	**14.4**	**14.4**	**14.4**	**14.4**	**14.4**	**14.4**	**14.4**	**14.4**
	Inland Southwest										
8	UAMP to UAMP TS PwrP	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
9	**Total Exports to ISW**	**14.8**	**14.8**	**14.8**	**14.8**	**14.8**	**14.8**	**14.8**	**14.8**	**14.8**	**14.8**
	Pacific Southwest										
10	AVWP to SMUD PwrS LTFirm	50.0	21.0	0	0	0	0	0	0	0	0
11	BPA-P to PASA CNX Del	1.13	0.74	0	0	0	0	0	0	0	0
12	BPA-P to PASA SNX Del	2.51	2.51	0	0	0	0	0	0	0	0
13	BPA-P to Other Entities	31.4	26.5	26.3	6.50	0	0	0	0	0	0
14	BPA-P to RVSD CNX Del	4.98	4.98	4.00	0	0	0	0	0	0	0
15	BPA-P to RVSD SNX Del	4.25	4.25	0	0	0	0	0	0	0	0
16	BURB to BURB TS PwrP	2.63	2.63	2.62	2.63	2.63	2.63	2.62	2.63	2.63	2.63
17	GLEN to GLEN TS PwrP	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
18	LDWP to LDWP TS PwrP	118	118	118	118	118	118	118	118	118	118
19	MCQC to BURB PwrS LTFirm	4.26	4.26	4.25	4.26	4.26	4.26	4.25	4.26	4.26	4.26
20	MID to MID TS PwrP	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
21	Other Entities to Other Entities	102	102	101	102	102	102	101	102	102	102
22	PG&E to PG&E TS PwrP	65.0	65.0	65.0	65.0	65.0	77.5	86.4	86.5	86.5	63.1
23	PPL to REDD PwrS LTFirm	11.1	11.1	5.96	0	0	0	0	0	0	0
24	PPL to SMUD PwrS LTFirm	48.1	23.2	0	0	0	0	0	0	0	0
25	PSE to PG&E SNX Del	47.1	47.1	47.0	47.1	47.1	47.1	47.0	47.1	47.1	47.1
26	SCE to SCE TS PwrP	223	223	222	223	223	223	222	223	223	223
27	SCL to NCPA SNX Del	10.3	10.3	10.3	10.3	5.33	0	0	0	0	0
28	SDGE to SDGE TS PwrP	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
29	SMUD to SMUD TS PwrP	62.1	62.1	62.1	62.1	44.3	44.3	44.3	44.3	0	0
30	TID to TID TS PwrP	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
31	Intertie Losses	1	1	1							
32	**Total Exports to PSW**	**983**	**924**	**865**	**835**	**806**	**813**	**821**	**822**	**778**	**754**
	Total Exports										
33	Federal Entities	595	565	565	535	531	525	520	515	510	506
34	Investor Owned Utilities	559	505	455	450	450	462	471	471	471	448
35	Marketer	84.8	84.8	84.7	84.8	84.8	84.8	84.7	84.8	84.8	84.8
36	Municipality	316	316	315	316	293	288	287	288	243	243
37	**Total Exports**	**1555**	**1471**	**1420**	**1386**	**1358**	**1360**	**1363**	**1359**	**1310**	**1282**

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Exhibit 5
Table A-3: Regional Imports

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-3: Regional: Imports

Operating Year 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW - Contract	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Canada										
1	BCHP to SCL PwrS LTFirm	35.6	35.6	35.7	35.6	35.6	35.6	35.7	35.6	35.6	35.6
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
3	BCHP to BPA-P Trty LCARtn	29.6	29.6	29.5	29.6	29.6	29.6	29.5	29.6	29.6	29.6
4	Other Entities to PSE	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35	2.35
5	**Total Imports From CAN**	**68.5**	**68.5**	**68.5**	**68.5**	**68.5**	**68.5**	**68.5**	**68.5**	**68.5**	**68.5**
	East Continental Divide										
6	PPL to PPL TS PwrP	167	168	168	169	169	170	170	171	171	172
7	Unk_ECD_Mrktr to Other Entities	135	136	138	139	140	142	143	144	145	146
8	**Total Imports From ECD**	**302**	**304**	**306**	**308**	**310**	**311**	**313**	**315**	**317**	**318**
	Inland Southwest										
9	RMP to RMP TS PwrP	461	468	473	476	480	484	487	491	494	498
10	**Total Imports From ISW**	**461**	**468**	**473**	**476**	**480**	**484**	**487**	**491**	**494**	**498**
	Pacific Southwest										
11	BARC to PSE PwrS LTFirm	24.7	24.7	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX EER	1.88	1.88	0	0	0	0	0	0	0	0
13	PASA to BPA-P CNX Repl	1.13	0.75	0	0	0	0	0	0	0	0
14	PASA to BPA-P SNX Ret	2.50	2.50	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX EER	7.34	7.34	7.32	0	0	0	0	0	0	0
16	RVSD to BPA-P CNX Repl	4.98	4.98	4.04	0	0	0	0	0	0	0
17	RVSD to BPA-P SNX Ret	4.24	4.24	4.26	0	0	0	0	0	0	0
18	PG&E to PSE SNX Ret	47.1	47.1	47.2	47.1	47.1	47.1	47.2	47.1	47.1	47.1
19	NCPA to SCL SNX Ret	12.5	12.5	12.6	12.5	12.5	0	0	0	0	0
20	**Total Imports From PSW**	**106**	**106**	**75.4**	**59.6**	**59.6**	**47.1**	**47.2**	**47.1**	**47.1**	**47.1**
	Total Imports										
21	Federal Entities	52.7	52.3	46.1	30.6	30.6	30.6	30.5	30.6	30.6	30.6
22	Investor Owned Utilities	702	710	690	695	699	703	707	711	715	720
23	Marketer	135	136	138	139	140	142	143	144	145	146
24	Municipality	48.1	48.1	48.3	48.1	48.1	35.6	35.7	35.6	35.6	35.6
25	**Total Imports**	**938**	**947**	**923**	**913**	**918**	**911**	**916**	**921**	**927**	**932**

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Exhibit 6
Table A-4: Regional Intra-Regional Transfers

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-4: Regional: Intra-Regional Transfers

Operating Year 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Intra-Regional Transfers										
1	AVWP to BPA-P Setl WNP3 Rtn	41.6	41.6	41.7	41.6	0	0	0	0	0	0
2	AVWP to PGE CapX Del	44.6	44.6	44.6	18.7	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	41.7	41.7	41.8	41.6	41.6	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
5	BPA-P to Other Entities	21.0	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
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	1.28	1.28	1.28	1.28	1.28	1.28	1.29	1.27	1.28	1.28
9	BPA-P to PSE Setl WNP3 Del	41.7	41.7	41.8	41.6	41.6	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	5.48	5.48	5.46	5.47	5.47	5.47	5.46	5.47	5.47	5.47
11	CLAT to IPC NX Ret	4.75	4.75	1.26	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	2.50	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	10.2	10.1	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
15	GHPD to GHP PwrS LTFirm	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
16	IPC to CLAT NX Del	5.02	5.02	3.00	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	9.66	9.66	9.65	9.66	9.66	9.66	9.65	9.66	9.66	9.66
18	Other Entities to BPA-P	105	68.3	76.8	76.8	76.8	76.8	34.3	25.8	25.8	25.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	20.0	22.5	25.1	8.96	0	0	0	0	0	0
21	Other Entities to Other Entities	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
22	Other Entities to PGE	92.1	92.1	92.1	15.4	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	44.6	44.6	44.6	18.7	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	2.50	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	22.8	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	41.6	41.6	41.7	41.6	41.6	41.6	0	0	0	0
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	180	181	177	188	188	78.8	0	0	0	0
33	**Total Intra-Regional Transfers**	**937**	**854**	**857**	**718**	**615**	**423**	**260**	**251**	**251**	**251**
	Intra-Regional Contracts Out										
34	Federal Entities	115	93.6	93.9	93.6	93.6	10.3	10.3	10.3	10.3	10.3
35	Investor Owned Utilities	514	489	483	362	268	159	38.4	38.5	38.5	38.5
36	Marketer	228	194	205	189	180	180	138	129	129	129
37	Municipality	51.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
38	Public Utility District	29.6	29.6	26.1	24.9	24.9	24.9	24.9	24.9	24.9	24.9
39	**Total Regional Contracts Out**	**937**	**854**	**857**	**718**	**615**	**423**	**260**	**251**	**251**	**251**
	Intra-Regional Contracts In										
40	Federal Entities	230	170	179	179	137	137	52.9	44.5	44.5	44.5
41	Investor Owned Utilities	574	572	565	446	393	201	122	122	122	122
42	Marketer	35.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
43	Municipality	5.83	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33	3.33
44	Public Utility District	91.9	94.4	95.0	75.9	66.9	66.9	66.9	66.9	66.9	66.9
45	**Total Regional Contracts In**	**937**	**854**	**857**	**718**	**615**	**423**	**260**	**251**	**251**	**251**

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Exhibit 7

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

Annual Energy

Operating Year 2014 to 2023

Using 1937-Water Conditions

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

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Pacific Northwest										
1	**DSI Obligation**	**312**	**312**	**312**	**312**	**312**	**312**	**312**	**312**	**312**	**312**
2	Direct Service Industry	312	312	312	312	312	312	312	312	312	312
3	**Load Following**	**3257**	**3312**	**3331**	**3373**	**3401**	**3436**	**3469**	**3508**	**3539**	**3561**
4	Cooperative	1842	1876	1879	1895	1900	1917	1936	1962	1984	1998
5	Municipality	591	604	615	622	628	634	639	644	648	652
6	Public Utility District	702	708	712	717	719	722	724	728	731	734
7	Federal Entities	123	125	125	138	153	163	169	174	176	177
8	**Slice Right to Power**	**1943**	**1877**	**1907**	**1860**	**1907**	**1891**	**1932**	**1892**	**1931**	**1890**
9	Municipality	648	626	636	620	636	630	644	631	644	630
10	Public Utility District	1295	1251	1271	1240	1271	1260	1288	1261	1287	1260
11	**Tier 1 Block**	**1817**	**1886**	**1845**	**1876**	**1853**	**1881**	**1854**	**1845**	**1845**	**1845**
12	Municipality	610	633	612	621	613	622	613	610	610	610
13	Public Utility District	1207	1253	1233	1255	1240	1259	1241	1235	1235	1235
14	**USBR Obligation**	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**	**176**
15	USBR	176	176	176	176	176	176	176	176	176	176
	Total Power Sales Contracts										
16	Cooperative	1842	1876	1879	1895	1900	1917	1936	1962	1984	1998
17	Direct Service Industry	312	312	312	312	312	312	312	312	312	312
18	Federal Entities	123	125	125	138	153	163	169	174	176	177
19	Municipality	1849	1862	1863	1864	1877	1887	1897	1886	1902	1892
20	Public Utility District	3204	3212	3217	3213	3231	3241	3253	3225	3253	3228
21	USBR	176	176	176	176	176	176	176	176	176	176
22	**Total Power Sales Contracts**	**7506**	**7563**	**7571**	**7598**	**7649**	**7696**	**7743**	**7734**	**7803**	**7784**

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Exhibit 8
Table A-7: Regional Regulated Hydro

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-7: Regional: Regulated Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Regulated Hydro										
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	24.3	24.2	24.2	24.3	24.3	24.3	24.2	24.3	24.3	24.3
3	Alder	19.3	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
4	Bonneville	404	397	396	396	396	396	396	396	396	396
5	Boundary	333	333	333	333	333	333	333	333	333	333
6	Box Canyon Dam	44.5	44.5	44.4	44.5	44.5	44.5	44.4	44.5	44.5	44.5
7	Brownlee	182	184	184	184	184	184	184	184	184	184
8	Cabinet Gorge	83.6	83.5	83.4	83.5	83.5	83.5	83.4	83.5	83.5	83.5
9	Chelan Lake	37.6	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
10	Chief Joseph	1142	1119	1114	1115	1115	1115	1114	1115	1115	1115
11	Cushman 1	4.04	7.17	8.73	8.72	8.72	8.72	8.73	8.72	8.72	8.72
12	Cushman 2	4.77	12.4	14.5	14.4	14.4	14.4	14.5	14.4	14.4	14.4
13	Diablo	82.6	81.4	82.2	82.0	82.0	82.0	82.2	82.0	82.0	82.0
14	Dworshak	143	143	143	143	143	143	143	143	143	143
15	Faraday	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
16	Gorge	97.4	95.5	96.3	96.2	96.2	96.2	96.3	96.2	96.2	96.2
17	Grand Coulee	1988	1950	1941	1942	1942	1942	1941	1942	1942	1942
18	Hells Canyon	148	149	149	149	149	149	149	149	149	149
19	Hungry Horse	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
20	Ice Harbor	157	158	158	158	158	158	158	158	158	158
21	John Day	817	808	806	806	806	806	806	806	806	806
22	Kerr	98.2	98.2	98.1	98.2	98.2	98.2	98.1	98.2	98.2	98.2
23	La Grande	31.9	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
24	Libby	181	181	181	181	181	181	181	181	181	181
25	Little Falls	19.8	18.2	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
26	Little Goose	178	179	179	179	179	179	179	179	179	179
27	Long Lake	45.3	41.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
28	Lower Baker	25.5	25.5	25.4	25.5	25.5	25.5	25.4	25.5	25.5	25.5
29	Lower Granite	174	175	175	175	175	175	175	175	175	175
30	Lower Monumental	182	182	182	182	182	182	182	182	182	182
31	Mayfield	70.6	62.9	67.2	67.3	67.3	67.3	67.2	67.3	67.3	67.3
32	McNary	486	482	480	481	481	481	480	481	481	481
33	Merwin	59.4	46.1	50.7	50.8	50.8	50.8	50.7	50.8	50.8	50.8
34	Monroe Street	10.8	10.0	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
35	Mossyrock	103	79.9	87.7	87.8	87.8	87.8	87.7	87.8	87.8	87.8
36	Nine Mile	12.4	11.4	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
37	North Fork	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
38	Noxon Rapids	125	125	125	125	125	125	125	125	125	125
39	Oak Grove	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
40	Oxbow	73.9	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
41	Pelton	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
42	Pelton Rereg	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21	8.21
43	Post Falls	7.57	6.60	6.87	6.88	6.88	6.88	6.87	6.88	6.88	6.88
44	Priest Rapids	421	412	411	411	411	411	411	411	411	411
45	River Mill	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74	9.74
46	Rock Island	316	313	312	312	312	312	312	312	312	312
47	Rocky Reach	584	574	571	572	572	572	571	572	572	572
48	Ross	73.4	71.6	72.5	72.4	72.4	72.4	72.5	72.4	72.4	72.4
49	Round Butte	88.8	88.7	88.6	88.7	88.7	88.7	88.6	88.7	88.7	88.7
50	Swift 1	73.9	54.1	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
51	Swift 2	25.9	20.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
52	The Dalles	610	605	603	603	603	603	603	603	603	603
53	Thompson Falls	48.0	48.0	47.9	48.0	48.0	48.0	47.9	48.0	48.0	48.0
54	Upper Baker	34.1	30.3	31.9	32.0	32.0	32.0	31.9	32.0	32.0	32.0
55	Upper Falls	8.06	7.63	7.68	7.68	7.68	7.68	7.68	7.68	7.68	7.68
56	Wanapum	393	383	381	381	381	381	381	381	381	381
57	Wells	368	361	359	360	360	360	359	360	360	360
58	Yale	63.4	49.5	54.5	54.6	54.6	54.6	54.5	54.6	54.6	54.6
	Total Regulated Hydro										
59	Federal Entities	6563	6479	6458	6461	6461	6461	6458	6461	6461	6461
60	Investor Owned Utilities	1845	1779	1795	1796	1796	1604	1582	1584	1584	1584
61	Marketer	441	434	432	432	432	432	432	432	432	432

Table A-7: Regional: Regulated Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
62	Municipality	835	808	826	826	826	826	826	826	826	826
63	Public Utility District	1217	1190	1187	1187	1187	1380	1400	1400	1400	1400
64	**Total Regulated Hydro**	**10902**	**10690**	**10699**	**10703**	**10703**	**10703**	**10698**	**10703**	**10703**	**10703**

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Exhibit 9
Table A-8: Regional Independent Hydro

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-8: Regional: Independent Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Independent Hydro										
1	American Falls	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
2	Anderson Ranch	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
3	Arrowrock Hydro	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83	5.83
4	Ashton	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50
5	Bend Power Dam	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
6	Big Cliff	9.66	9.66	9.65	9.66	9.66	9.66	9.65	9.66	9.66	9.66
7	Big Fork	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71	2.71
8	Black Canyon	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19	6.19
9	Bliss	35.1	35.1	35.0	35.1	35.1	35.1	35.0	35.1	35.1	35.1
10	Boise River Diversion	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12	1.12
11	Calispel Creek	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
12	Carmen-Smith	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
13	Cascade	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84	8.84
14	Cedar Falls	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04
15	Chandler	5.60	5.60	5.61	5.60	5.60	5.60	5.61	5.60	5.60	5.60
16	CJ Strike	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
17	Clear Lake	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78	1.78
18	Cougar	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8	18.8
19	Cowlitz Falls	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
20	Detroit	33.3	33.3	33.2	33.3	33.3	33.3	33.2	33.3	33.3	33.3
21	Dexter	9.29	9.29	9.27	9.29	9.29	9.29	9.27	9.29	9.29	9.29
22	Eagle Point	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
23	Electron	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
24	Felt Hydro Project	3.84	3.84	3.83	3.84	3.84	3.84	3.83	3.84	3.84	3.84
25	Foster	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
26	Gem State Hydro	8.28	8.28	8.30	8.28	8.28	8.28	8.30	8.28	8.28	8.28
27	Grace	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
28	Green Peter	26.9	26.9	26.8	26.9	26.9	26.9	26.8	26.9	26.9	26.9
29	Green Springs	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32	7.32
30	Hellroaring	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
31	Henry M Jackson	43.0	43.0	42.9	43.0	43.0	43.0	42.9	43.0	43.0	43.0
32	Hills Creek	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
33	Hood Street	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
34	Idaho Falls - City Plant	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
35	Idaho Falls - Lower Plant #1	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
36	Idaho Falls - Lower Plant #2	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55	1.55
37	Idaho Falls - Upper Plant	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14	4.14
38	Island Park	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
39	John Boyle	35.9	35.9	36.0	35.9	35.9	35.9	36.0	35.9	35.9	35.9
40	Lake Creek (MT)	2.93	2.93	2.92	2.93	2.93	2.93	2.92	2.93	2.93	2.93
41	Last Chance	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
42	Leaburg	7.43	7.43	7.44	7.43	7.43	7.43	7.44	7.43	7.43	7.43
43	Lookout Point	35.3	35.3	35.2	35.3	35.3	35.3	35.2	35.3	35.3	35.3
44	Lost Creek	30.0	30.0	29.9	30.0	30.0	30.0	29.9	30.0	30.0	30.0
45	Lower Malad	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63	9.63
46	Lower Salmon Falls	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
47	McNary Fishway	6.55	6.55	6.54	6.55	6.55	6.55	6.54	6.55	6.55	6.55
48	Mill Creek (WA)	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
49	Milner Hydro	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
50	Minidoka	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
51	Movie River	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88	1.88
52	Newhalem	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63	0.63
53	North Umpqua	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
54	Oneida	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30	6.30
55	Packwood Lake	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
56	Palisades	69.2	69.2	69.0	69.2	69.2	69.2	69.0	69.2	69.2	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
58	Reeder Gulch	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
59	Rogue	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
60	Roza	6.88	6.88	6.87	6.88	6.88	6.88	6.87	6.88	6.88	6.88
61	Shoshone Falls	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84	5.84
62	Smith Creek (Idaho)	6.99	6.99	6.97	6.99	6.99	6.99	6.97	6.99	6.99	6.99
63	Snoqualmie Falls	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9

Table A-8: Regional: Independent Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
64	Soda Creek 4	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
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
66	Soda Point	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
67	South Fork Tolt	6.55	6.55	6.54	6.55	6.55	6.55	6.54	6.55	6.55	6.55
68	Stone Creek	6.22	6.22	6.21	6.22	6.22	6.22	6.21	6.22	6.22	6.22
69	Strawberry Creek (WY)	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03	1.03
70	Swan Falls	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
71	Swift Creek Hydro	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87
72	The Dalles North Fishway	4.46	4.46	4.45	4.46	4.46	4.46	4.45	4.46	4.46	4.46
73	Thousand Springs	6.28	6.28	6.27	6.28	6.28	6.28	6.27	6.28	6.28	6.28
74	Trail Bridge	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68
75	TW Sullivan	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
76	Twin Falls (ID)	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6	24.6
77	Upper Malad	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92	5.92
78	Upper Salmon A	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41	8.41
79	Upper Salmon B	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71	7.71
80	Wallowa Falls	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51	0.51
81	Walterville	5.72	5.72	5.73	5.72	5.72	5.72	5.73	5.72	5.72	5.72
82	Wynoochee Dam	3.38	3.38	3.39	3.38	3.38	3.38	3.39	3.38	3.38	3.38
83	Yelm	7.22	7.22	7.21	7.22	7.22	7.22	7.21	7.22	7.22	7.22
	Total Independent Hydro										
84	Cooperative	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12	7.12
85	Federal Entities	354	354	354	354	354	354	354	354	342	340
86	Investor Owned Utilities	537	537	536	537	537	537	536	537	537	537
87	Municipality	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	105	107
88	Public Utility District	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
89	**Total Independent Hydro**	**1051**	**1051**	**1050**	**1051**	**1051**	**1051**	**1050**	**1051**	**1051**	**1051**

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Exhibit 10
Table A-9: Regional Small Hydro

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-9: Regional: Small Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Small Hydro										
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
3	Arena Drop	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
4	Barber Dam	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28	2.28
5	Barney Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
6	Beaverton	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
7	Bell Mountain	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0
9	Big Sheep Creek	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	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
13	Birch Creek (Gooding,ID)	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21	1.21
14	Black Canyon #3	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
15	Black Creek	2.99	3.12	2.93	2.96	2.96	2.96	2.96	2.96	2.96	2.96
16	Blind Canyon	0.57	0.57	0.56	0.57	0.57	0.57	0.56	0.57	0.57	0.57
17	Boulder Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
18	Box Canyon	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36
19	Briggs Creek	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
20	Briggs Project	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
21	Broadwater	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01	2.01
22	Buffalo Hydro	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
25	Bypass	3.81	3.81	3.80	3.81	3.81	4.33	3.18	3.81	3.81	3.81
26	Canyon Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
27	Canyon Springs	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
28	Carlton	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
29	Cascade Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
30	Cedar Draw Creek	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71	0.71
31	Central Oregon Siphon	2.14	2.14	2.13	2.14	2.14	2.14	2.13	2.14	2.14	2.14
32	Cereghino	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.91	1.92	1.92	1.92	1.91	1.92	1.92	1.92
34	Clear Springs Trout	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
35	Company Creek	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
36	Cornelius	0	0	0	0	0	0	0	0	0	0
37	Cove	1.17	1.17	1.16	1.17	1.17	1.17	1.16	1.17	1.17	1.17
38	Cowiche	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
39	Crystal Springs	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07	1.07
40	Curry Cattle Co.	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
45	Denny Creek	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
46	Dietrich Drop	2.48	2.48	2.47	2.48	2.48	2.48	2.47	2.48	2.48	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
49	Dry Creek	0.85	0.85	0.85	0.85	0.85	0.91	0.82	0.85	0.85	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59	0.59
54	Eltopia Branch Canal 4.6	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
55	Esquatzel Small Hydro	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
56	Estacada	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
57	Falls Creek (Or)	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88	5.88
60	Farmers Irr Dist Proj No 2	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49	1.49
61	Farmers Irr Dist Proj No 3	0.89	0.89	0.90	0.89	0.89	0.89	0.90	0.89	0.89	0.89
62	Faulkner Ranch	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
63	Fisheries Development #1	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25

Table A-9: Regional: Small Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
64	Flying W	0	0	0	0	0	0	0	0	0	0
65	Ford	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49	0.49
66	Forgy	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
67	Galesville	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
68	Geo-Bon #2	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
69	Georgetown	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	3.24	3.24	3.23	3.24	3.24	3.24	3.23	3.24	3.24	3.24
74	Hazelton B	3.03	3.03	3.02	3.03	3.03	3.03	3.02	3.03	3.03	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27
79	James White	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
80	Jim Knight	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24	0.24
81	John Day Creek	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
82	Joseph Hydro	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53
85	Kaster Riverview	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
86	Koma Kulshan	6.38	6.38	6.37	6.38	6.38	6.38	6.37	6.38	6.38	6.38
87	Koyle Ranch Power	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
88	L & M Angus Ranch	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37	0.37
89	Lacomb	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
91	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
97	Little Wood River Ranch	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
98	Little Wood River Reservoir	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46
99	Low line Canal Drop	5.35	5.35	5.33	5.35	5.35	5.35	5.33	5.35	5.35	5.35
100	Low Line Midway	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
101	Lower Low line	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
105	Magic Dam	3.56	3.56	3.55	3.56	3.56	3.56	3.55	3.56	3.56	3.56
106	Main Canal Headworks	9.82	9.82	9.80	9.82	9.82	9.82	9.80	9.82	9.82	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72
109	Meyers Falls 1910	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22	0.22
110	Middle Fork Irrigation District	2.15	2.15	2.16	2.15	2.15	2.15	2.16	2.15	2.15	2.15
111	Mile 28	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
114	Mink Creek	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93	0.93
115	Mitchell Butte	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60
116	Morse Creek	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
117	Mt. Tabor	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
118	Mud Creek	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55
119	N-32 Canal	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85	0.85
120	Nichols Gap	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
121	Nicholson	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
122	North Fork Sprague	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
125	Odell Creek	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
126	Opal Springs	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95	2.95
127	Orchard Avenue	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
128	Owyhee Dam	1.82	1.82	1.81	1.82	1.82	1.82	1.81	1.82	1.82	1.82

Table A-9: Regional: Small Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
129	Owyhee Tunnel No 1	2.72	2.72	2.71	2.72	2.72	2.72	2.71	2.72	2.72	2.72
130	Pancheri	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	2.83	2.83	2.82	2.83	2.83	2.83	2.82	2.83	2.83	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
134	Pine Creek	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
135	Portland Hydro Project	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
136	Portneuf River	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
137	Potholes East Canal	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09
138	Preston	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.35	0.36	0.36
139	Pristine Springs	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
140	Quincy Chute	3.71	3.71	3.70	3.71	3.71	3.71	3.70	3.71	3.71	3.71
141	Ravenscroft Ranch	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
142	Reynolds Irrigation District	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
143	Rim View	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
144	Rock Creek #1	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
145	Rock Creek No 2	1.61	1.61	1.60	1.61	1.61	1.61	1.60	1.61	1.61	1.61
146	Rocky Brook	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
147	Russell D. Smith	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84	1.84
148	Sagebrush	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
151	Shingle Creek	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
152	Shoshone	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
155	Snake River Pottery	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
156	Snedigar Ranch	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
157	South Dry Creek	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34	0.34
158	Spencer Lake Hydro	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26
161	Stevenson #1	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
162	Stevenson #2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
164	Summer Falls	37.2	37.2	37.1	37.2	37.2	37.2	37.1	37.2	37.2	37.2
165	Sunshine	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
166	Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
167	Thompson's Mills	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
168	Tiber Dam	3.24	3.24	3.23	3.24	3.24	3.24	3.23	3.24	3.24	3.24
169	Tieton Dam (Yakima)	4.26	4.26	4.25	4.26	4.26	4.26	4.25	4.26	4.26	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	9.57	9.57	9.56	9.57	9.57	7.69	9.56	9.57	9.57	9.57
172	Twin Reservoirs	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
173	Upper Little Sheep Creek	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73	9.73
176	Walla Walla	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48	1.48
177	Water Street	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
178	Weeks Falls	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
181	Wilson Lake	3.14	3.14	3.13	3.14	3.14	3.14	3.13	3.14	3.14	3.14
182	Wisconsin Noble	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
183	Wolf Creek	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
184	Woods Creek	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
188	Zena Creek Ranch	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Total Small Hydro											
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08	3.08
191	Investor Owned Utilities	156	156	156	156	156	155	155	156	156	156

Table A-9: Regional: Small Hydro

Operating Year: 2014 to 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
192	Marketer	4.26	4.26	4.25	4.26	4.26	4.26	4.25	4.26	4.26	4.26
193	Municipality	75.1	75.1	74.9	75.1	75.1	75.1	74.9	75.1	75.1	75.1
194	Public Utility District	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
195	**Total Small Hydro**	**253**	**253**	**253**	**253**	**253**	**252**	**252**	**253**	**253**	**253**

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Exhibit 11
Table A-10: Regional Combustion Turbines

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-10: Regional: Combustion Turbine Resources

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Combustion Turbine Resources										
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	40.5	40.5	40.4	40.5	40.5	40.5	40.4	40.5	40.5	40.5
6	Boulder Park	20.7	20.3	20.0	20.1	20.7	20.7	20.4	20.1	20.6	20.7
7	Chehalis Generation Facility	375	375	375	375	375	375	375	375	375	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	168	168	168	168	168	168	168	168	168	168
10	Evander Andrews Complex	62.5	62.5	62.4	62.5	62.5	62.5	62.4	62.5	62.5	62.5
11	Danskin 1	20.8	20.8	20.7	20.8	20.8	20.8	20.7	20.8	20.8	20.8
12	Danskin 2	41.8	41.8	41.6	41.8	41.8	41.8	41.6	41.8	41.8	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	242	242	242	242	242	242	242	242	242	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	231	231	231	231	231	231	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73	8.73
22	Klamath Generation Facility	435	435	435	435	435	455	455	455	455	455
23	Klamath Generation Peakings (C	14.1	14.1	14.2	14.1	14.1	14.1	14.2	14.1	14.1	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
26	Mint Farm Energy Center	242	242	242	242	242	242	242	242	242	242
27	Northeast 1 & 2	3.08	3.08	4.20	4.25	3.08	3.08	3.07	3.08	3.08	4.21
28	Olympic View	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
30	Port Westward	337	337	337	337	337	337	337	337	337	337
31	Rathdrum	138	138	132	141	138	138	132	135	133	138
32	River Road	205	205	205	205	205	205	205	205	205	205
33	Satsop Combustion Turbine Proj	584	584	584	584	584	584	584	584	584	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources										
36	Investor Owned Utilities	2026	2025	2020	2029	2026	2025	2019	2022	2021	2026
37	Marketer	1033	1033	1033	1033	1033	1053	1053	1053	1053	1053
38	Municipality	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	331	331	331	331	331	331	331	331	331	331
40	**Total**	**3390**	**3390**	**3385**	**3393**	**3390**	**3409**	**3403**	**3405**	**3405**	**3410**

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Exhibit 12
Table A-11: Regional Renewable Resources

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-11: Regional: Renewable Resources

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Renewable Resources										
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0
5	Public Works	0	0	0	0	0	0	0	0	0	0
6	Bellevue Solar (Amity, OR)	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
7	Bennett Creek Wind	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53
8	Bettencourt B6 anaerobic digest	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69	0.69
9	Big Horn Wind	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
10	Big Horn 1	52.6	52.6	52.5	52.6	52.6	52.6	52.5	52.6	52.6	52.6
11	Big Horn 2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
12	Big Sky Dairy	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06	1.06
13	Biglow Canyon Wind	119	119	118	119	119	119	118	119	119	119
14	Biglow Canyon 1	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
15	Biglow Canyon 2	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
16	Biglow Canyon 3	46.1	46.1	46.0	46.1	46.1	46.1	46.0	46.1	46.1	46.1
17	Burley Butte Wind	5.14	5.14	5.13	5.14	5.14	5.14	5.13	5.14	5.14	5.14
18	Camp Reed	5.93	5.93	5.92	5.93	5.93	5.93	5.92	5.93	5.93	5.93
19	Cassia Farms Wind	2.77	2.77	2.76	2.77	2.77	2.77	2.76	2.77	2.77	2.77
20	Cassia Gulch Wind	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98	4.98
21	Coffin Butte	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36
22	Coffin Butte 1	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38	2.38
23	Coffin Butte 2	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98	2.98
24	Cold Springs	6.06	6.06	6.05	6.06	6.06	6.06	6.05	6.06	6.06	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
27	Combine Hills 2	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
28	Combine Hills I	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
29	Condon	9.65	9.65	9.64	9.65	9.65	9.65	9.64	9.65	9.65	9.65
30	Cottonwood Wind	5.27	5.27	5.26	5.27	5.27	5.27	5.26	5.27	5.27	5.27
31	Deep Creek Wind	5.27	5.27	5.26	5.27	5.27	5.27	5.26	5.27	5.27	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	6.06	6.06	6.05	6.06	6.06	6.06	6.05	6.06	6.06	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26	1.26
38	Echo Wind Farm	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
39	Echo Wind 1	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
40	Echo Wind 2	5.27	5.27	5.26	5.27	5.27	5.27	5.26	5.27	5.27	5.27
41	Elkhorn Valley Wind Project	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
42	Farm Power Lynden	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
43	Farm Power Misty Meadow	0	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek Landfill	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.37	1.40	1.38	1.38	1.40	1.36	1.40	1.38	1.38	1.36
49	Foote Creek 1	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
50	Foote Creek 2	0.48	0.48	0.47	0.48	0.48	0.48	0.47	0.48	0.48	0.48
51	Foote Creek 4	4.43	4.43	4.42	4.43	4.43	4.43	4.42	4.43	4.43	4.43
52	Fossil Gulch Wind Project	2.77	2.77	2.76	2.77	2.77	2.77	2.76	2.77	2.77	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16
55	Goodnoe Hills	24.8	24.8	24.7	24.8	24.8	24.8	24.7	24.8	24.8	24.8
56	Goshen North (Ridgeline)	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58	1.58
59	H.W. Hill Landfill Gas (Roosevelt	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
60	HW Hill Landfill Gas 1	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30
61	HW Hill Landfill Gas 2	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70	5.70
62	Hammett Hill	6.06	6.06	6.05	6.06	6.06	6.06	6.05	6.06	6.06	6.06
63	Harvest	26.1	26.1	26.0	26.1	26.1	26.1	26.0	26.1	26.1	26.1

Table A-11: Regional: Renewable Resources

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
64	Hay Canyon Wind	26.6	26.6	26.5	26.6	26.6	26.6	26.5	26.6	26.6	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34	2.34
67	Hopkins Ridge	41.3	41.3	41.2	41.3	41.3	41.3	41.2	41.3	41.3	41.3
68	Hopkins Ridge 2	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
69	Hopkins Ridge I	39.4	39.4	39.3	39.4	39.4	39.4	39.3	39.4	39.4	39.4
70	Horse Butte Wind	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
71	Horseshoe Bend Wind Project	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37
72	Hot Springs Wind	5.22	5.22	5.21	5.22	5.22	5.22	5.21	5.22	5.22	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
76	Kettle Falls (biomass)	44.3	42.4	41.5	44.7	42.6	43.4	44.7	44.4	43.4	43.4
77	King Estate Solar	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
78	Kittitas Valley Wind	26.6	26.6	26.5	26.6	26.6	26.6	26.5	26.6	26.6	26.6
79	Klondike 1	6.81	6.81	6.80	6.81	6.81	6.81	6.80	6.81	6.81	6.81
80	Klondike 2	21.3	21.3	21.2	21.3	21.3	21.3	21.2	21.3	21.3	21.3
81	Klondike 3	63.5	63.5	63.4	63.5	63.5	63.5	63.4	63.5	63.5	63.5
82	Klondike 3a	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7	21.7
83	Lava Beds Wind	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74
84	Leaning Juniper	77.0	79.5	79.4	79.5	79.5	79.5	79.4	79.5	79.5	79.5
85	Leaning Juniper 1	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
86	Leaning Juniper 2a	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
87	Leaning Juniper 2b	26.7	29.3	29.2	29.3	29.3	29.3	29.2	29.3	29.3	29.3
88	Lewandowski Farms	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
89	Lime Wind	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79	0.79
90	Linden Ranch	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
91	Livingston	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
92	Lower Snake Wind I	90.3	90.3	90.2	90.3	90.3	90.3	90.2	90.3	90.3	90.3
93	Mainline Wind	6.06	6.06	6.05	6.06	6.06	6.06	6.05	6.06	6.06	6.06
94	Marengo Wind	55.5	55.5	55.4	55.5	55.5	55.5	55.4	55.5	55.5	55.5
95	Marengo Wind 1	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
96	Marengo Wind 2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
97	Milner Dam Wind Farm	5.14	5.14	5.13	5.14	5.14	5.14	5.13	5.14	5.14	5.14
98	Nine Canyon Wind	26.1	26.1	26.0	26.1	26.1	26.1	26.0	26.1	26.1	26.1
99	Nine Canyon Wind 1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.1
100	Nine Canyon Wind 2	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22	4.22
101	Nine Canyon Wind 3	8.75	8.75	8.75	8.75	8.75	8.75	8.75	8.75	8.75	8.75
102	Notch Butte Wind	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74	4.74
103	Oregon Trail Wind	3.56	3.56	3.55	3.56	3.56	3.56	3.55	3.56	3.56	3.56
104	Palouse Wind	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
105	PaTu Wind	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37	2.37
106	Paynes Ferry Wind Park	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53
107	Pebble Springs Wind	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.77	2.77	2.76	2.77	2.77	2.77	2.76	2.77	2.77	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	11.9	11.9	11.8	11.9	11.9	11.9	11.8	11.9	11.9	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
116	Raft River Geothermal 1	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
123	Rockland	20.9	20.9	20.8	20.9	20.9	20.9	20.8	20.9	20.9	20.9
124	Rogerson Flats	5.27	5.27	5.26	5.27	5.27	5.27	5.26	5.27	5.27	5.27
125	Ryegrass Wind	6.06	6.06	6.05	6.06	6.06	6.06	6.05	6.06	6.06	6.06
126	Salmon Creek Wind	5.27	5.27	5.26	5.27	5.27	5.27	5.26	5.27	5.27	5.27
127	Salmon Falls	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53

Table A-11: Regional: Renewable Resources

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
128	Sawtooth	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90
129	Shepherds Flat	223	223	222	223	223	223	222	223	223	223
130	Shepherds Flat - Central	76.4	76.4	76.3	76.4	76.4	76.4	76.3	76.4	76.4	76.4
131	Shepherds Flat - North	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
132	Shepherds Flat - South	76.4	76.4	76.3	76.4	76.4	76.4	76.3	76.4	76.4	76.4
133	Short Mountain	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96	1.96
134	Star Point Wind	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
135	Stateline	69.0	69.0	68.8	69.0	69.0	69.0	68.8	69.0	69.0	69.0
136	Stateline-OR	38.1	38.1	38.0	38.1	38.1	38.1	38.0	38.1	38.1	38.1
137	Stateline-WA	30.9	30.9	30.8	30.9	30.9	30.9	30.8	30.9	30.9	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16	3.16
140	Threemile Canyon Wind	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61	2.61
141	Tuana Gulch Wind	2.77	2.77	2.76	2.77	2.77	2.77	2.76	2.77	2.77	2.77
142	Tuana Springs Wind	4.43	4.43	4.42	4.43	4.43	4.43	4.42	4.43	4.43	4.43
143	Two Ponds Wind	6.06	6.06	6.05	6.06	6.06	6.06	6.05	6.06	6.06	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
146	Vansycle 1	8.27	8.27	8.26	8.27	8.27	8.27	8.26	8.27	8.27	8.27
147	Vansycle 2	26.1	26.1	26.0	26.1	26.1	26.1	26.0	26.1	26.1	26.1
148	Vantage Wind	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
149	Wheat Field	25.5	25.5	25.4	25.5	25.5	25.5	25.4	25.5	25.5	25.5
150	White Bluffs Solar	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
152	Wild Horse	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
153	Wild Horse Solar 1	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
154	Wild Horse Wind 1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
155	Wild Horse Wind 2	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
156	Willow Creek	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
157	Windy Point Wind	105	105	105	105	105	105	105	105	105	105
158	Windy Point 1	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
159	Windy Point 2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
160	Windy Point 2 - Phase 2	15.8	15.8	15.7	15.8	15.8	15.8	15.7	15.8	15.8	15.8
161	Wolverine Creek	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
162	Yahoo Creek	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53	5.53
163	Yamhill Solar	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23	0.23
	Total Renewable Resources										
164	Cooperative	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
165	Federal Entities	60.3	60.3	60.2	60.3	60.3	60.3	60.2	60.3	60.3	60.3
166	Investor Owned Utilities	1233	1227	1225	1229	1227	1228	1228	1229	1228	1196
167	Marketer	201	208	208	208	208	208	208	208	208	240
168	Municipality	260	260	260	260	260	260	260	260	260	260
169	Other	11.9	11.9	11.8	11.9	11.9	11.9	11.8	11.9	11.9	11.9
170	Public Utility District	167	167	166	167	167	167	166	167	167	167
171	**Total**	**1954**	**1956**	**1953**	**1958**	**1956**	**1957**	**1956**	**1958**	**1957**	**1957**

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Exhibit 13
Table A-12: Regional Cogeneration Resources

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-12: Regional: Cogeneration Resources

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Cogeneration Resources										
1	Biomass One	14.6	14.6	14.7	14.6	14.6	14.6	14.7	14.6	14.6	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.09	3.09	3.09	3.09	3.09	3.12	3.00	3.00	3.00	3.00
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.67	5.67	5.68	5.67	5.67	5.67	5.68	5.67	5.67	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	243	237	243	243	243	233	245	243	233	245
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	9.73	10.00	9.23	10.00	9.73	10.00	9.73	10.00	9.73	10.00
14	Georgia-Pacific Paper (Wauna)	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
15	Grays Harbor Paper	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7
16	Haleywest L.L.C	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
17	Hampton Lumber Mill (Darringto	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
18	Hermiston Generation Project	401	408	399	401	408	399	401	408	399	401
19	Hermiston Power Project	567	567	567	567	567	567	567	567	567	567
20	Intenational Paper Energy Cente	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
21	Intenational Paper Energy Center 2	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27	8.27
22	Intenational Paper Energy Center 1	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
25	Lancaster	210	210	210	211	208	210	211	212	210	210
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
36	Potlach NG 1	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06	9.06
37	Potlach Wood Waste 1	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
43	Sierra Pacific - Burlington	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
44	Simplot Pocatello	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18	8.18
45	Simpson Tacoma CoGen	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	124	124	124	124	124	124	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91
52	TASCO - Nampa	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	223	223	224	223	223	223	224	223	223	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
60	Weyerhaeuser Longview 2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5

Table A-12: Regional: Cogeneration Resources

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
61	Weyerhauser Longview 1	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7	16.7
Total Cogeneration Resources											
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	19.2	19.2	13.1	0	0	0	0	0	0	0
65	Investor Owned Utilities	1662	1665	1661	1664	1668	1652	1666	1671	1652	1665
66	Marketer	742	750	764	764	764	764	764	764	808	808
67	Municipality	112	104	93.3	99.8	99.8	99.8	99.8	99.8	55.6	55.6
68	Other	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
69	Public Utility District	60.1	60.1	63.1	69.7	69.7	69.7	69.7	69.7	69.7	69.7
70	**Total**	**2633**	**2636**	**2632**	**2635**	**2639**	**2623**	**2637**	**2642**	**2622**	**2636**

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Exhibit 14
Table A-13: Regional Large Thermal Resources

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-13: Regional: Large Thermal Resources

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Large Thermal Resources										
1	Boardman	488	488	489	488	488	488	489	224	0	0
2	Centralia	1426	1426	1404	1404	1426	1426	1426	1009	850	777
3	Big Hanaford	223	223	223	223	223	223	223	223	223	223
4	Centralia 1	577	626	554	626	577	626	577	209	0	0
5	Centralia 2	626	577	626	554	626	577	626	577	626	554
6	Colstrip	1345	1415	1349	1345	1415	1349	1345	1415	1349	1345
7	Colstrip 1	128	125	137	128	125	137	128	125	137	128
8	Colstrip 2	117	131	137	117	131	137	117	131	137	117
9	Colstrip 3	421	481	481	421	481	481	421	481	481	421
10	Colstrip 4	679	679	595	679	679	594	679	679	594	679
11	Columbia Generating Station	1030	878	1030	878	1030	878	1030	878	1030	878
12	Jim Bridger	1843	1824	1864	1849	1863	1875	1839	1878	1869	1878
13	Jim Bridger #1	427	483	458	483	451	479	427	483	458	483
14	Jim Bridger #2	493	476	493	455	493	476	493	476	493	476
15	Jim Bridger #3	477	404	477	450	477	477	477	477	477	477
16	Jim Bridger #4	447	461	436	461	442	442	442	442	442	442
17	Valmy	225	225	226	225	225	225	226	225	225	225
18	North Valmy 2	116	116	116	116	116	116	116	116	116	116
19	North Valmy1	110	110	110	110	110	110	110	110	110	110
	Total Large Thermal Resources										
20	Federal Entities	1030	878	1030	878	1030	878	1030	878	1030	878
21	Investor Owned Utilities	3853	4019	4130	4189	4340	4257	4240	4090	3835	3813
22	Marketer	1426	1311	1152	1074	1029	1057	1035	640	459	414
23	Municipality	48.8	48.8	48.9	48.8	48.8	48.8	48.9	22.4	0	0
24	**Total**	**6358**	**6257**	**6361**	**6189**	**6449**	**6241**	**6354**	**5630**	**5324**	**5104**

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Exhibit 15
Table A-14: Regional Small Thermal & Miscellaneous

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year: 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Small Thermal & Miscellaneous										
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
9	Pocatello Waste	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	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.3	15.3	15.3	15.2	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13
	Total Small Thermal & Miscellaneous										
15	Federal Entities	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	37.6	37.6	37.6	37.6	37.3	37.3	37.3	37.3	37.3	37.3
17	Municipality	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**37.8**	**37.8**	**37.8**	**37.8**	**37.5**	**37.5**	**37.5**	**37.5**	**37.5**	**37.5**

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Exhibit 16
Table A-15: Non-Federal CER Deliveries to BPA

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

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

Operating Year 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
	Pacific Northwest										
1	CHPD to BPA CEAEA for Rock Island	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7
2	CHPD to BPA CEAEA for Rocky Reach	37.5	37.2	36.9	36.6	36.4	36.0	36.0	36.0	35.9	36.0
3	DOPD to BPA CEAEA for Wells	24.0	23.8	23.4	23.4	23.2	22.9	22.7	22.3	22.2	22.3
4	GCPD to BPA CEAEA for Priest Rapids	29.2	29.2	29.1	29.0	28.6	28.4	27.7	27.4	27.4	27.4
5	GCPD to BPA CEAEA for Wanpum	28.0	28.0	27.9	27.8	27.4	27.2	26.9	26.9	26.8	26.9
6	**Total Imports From PNW**	**136**	**136**	**135**	**135**	**133**	**132**	**131**	**130**	**130**	**130**
	Total Imports										
7	Federal Entities	136	136	135	135	133	132	131	130	130	130
8	**Total Imports**	**136**	**136**	**135**	**135**	**133**	**132**	**131**	**130**	**130**	**130**

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

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Federal Report Surplus Deficit By Water Year

Operating Year 2014 to 2023

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

S104-WB-20121129-173308

	Energy-aMW - Surplus Deficit	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1	1929 Federal Report Surplus Deficit	308	-245	-16.4	-362	-240	-456	-412	-695	-553	-808
2	1930 Federal Report Surplus Deficit	-98.0	-460	-242	-589	-467	-683	-637	-922	-781	-1035
3	1931 Federal Report Surplus Deficit	-353	-625	-467	-809	-688	-903	-863	-1143	-992	-1244
4	1932 Federal Report Surplus Deficit	1734	1305	1561	1227	1348	1132	1165	891	1036	783
5	1933 Federal Report Surplus Deficit	3267	2982	3172	2820	2943	2728	2778	2488	2633	2379
6	1934 Federal Report Surplus Deficit	5622	5059	5308	4950	5075	4859	4913	4617	4769	4516
7	1935 Federal Report Surplus Deficit	1768	1624	1800	1448	1570	1354	1406	1115	1260	1007
8	1936 Federal Report Surplus Deficit	1439	1036	1309	969	1092	876	914	637	781	526
9	1937 Federal Report Surplus Deficit	23.0	-569	-338	-681	-559	-775	-734	-1014	-869	-1122
10	1938 Federal Report Surplus Deficit	2799	2449	2640	2292	2415	2198	2245	1959	2102	1848
11	1939 Federal Report Surplus Deficit	1220	730	939	594	715	498	544	259	404	150
12	1940 Federal Report Surplus Deficit	1443	1020	1266	924	1047	831	871	592	736	483
13	1941 Federal Report Surplus Deficit	378	-3.19	199	-146	-24.5	-240	-197	-480	-335	-589
14	1942 Federal Report Surplus Deficit	1974	1677	1812	1465	1587	1372	1417	1132	1276	1022
15	1943 Federal Report Surplus Deficit	3787	3419	3612	3261	3384	3169	3217	2928	3069	2814
16	1944 Federal Report Surplus Deficit	-79.3	-568	-345	-692	-571	-786	-741	-1025	-882	-1136
17	1945 Federal Report Surplus Deficit	116	-125	-7.48	-353	-230	-447	-405	-687	-545	-799
18	1946 Federal Report Surplus Deficit	3015	2635	2818	2468	2594	2376	2422	2138	2278	2023
19	1947 Federal Report Surplus Deficit	4242	3891	4125	3773	3898	3678	3732	3440	3582	3328
20	1948 Federal Report Surplus Deficit	4794	4369	4636	4289	4413	4198	4243	3958	4100	3846
21	1949 Federal Report Surplus Deficit	3243	2917	3135	2793	2916	2701	2742	2462	2604	2350
22	1950 Federal Report Surplus Deficit	3765	3376	3626	3270	3393	3177	3225	2933	3073	2819
23	1951 Federal Report Surplus Deficit	5817	5390	5640	5277	5402	5183	5241	4944	5083	4827
24	1952 Federal Report Surplus Deficit	4686	4279	4533	4183	4306	4091	4138	3850	3992	3736
25	1953 Federal Report Surplus Deficit	2603	2299	2484	2136	2260	2042	2086	1801	1943	1688
26	1954 Federal Report Surplus Deficit	4134	3622	3808	3455	3578	3362	3411	3121	3264	3009
27	1955 Federal Report Surplus Deficit	2974	2778	2981	2642	2765	2549	2588	2311	2453	2199
28	1956 Federal Report Surplus Deficit	5865	5410	5644	5291	5414	5199	5250	4958	5099	4844
29	1957 Federal Report Surplus Deficit	3724	3436	3677	3334	3457	3242	3283	3003	3143	2889
30	1958 Federal Report Surplus Deficit	3031	2693	2971	2625	2748	2533	2578	2293	2437	2182
31	1959 Federal Report Surplus Deficit	4333	3870	4105	3747	3871	3656	3711	3416	3558	3304
32	1960 Federal Report Surplus Deficit	4926	4579	4844	4503	4627	4411	4449	4169	4312	4058
33	1961 Federal Report Surplus Deficit	3377	2903	3167	2817	2941	2723	2771	2484	2629	2375
34	1962 Federal Report Surplus Deficit	2605	2187	2465	2118	2237	2021	2068	1806	1924	1694
35	1963 Federal Report Surplus Deficit	3063	2544	2782	2432	2555	2339	2388	2100	2245	1991
36	1964 Federal Report Surplus Deficit	2864	2334	2568	2226	2349	2132	2174	1894	2036	1782
37	1965 Federal Report Surplus Deficit	5619	5275	5527	5169	5293	5077	5133	4836	4974	4717
38	1966 Federal Report Surplus Deficit	2574	2212	2439	2093	2216	2000	2044	1780	1901	1666
39	1967 Federal Report Surplus Deficit	3676	3138	3423	3065	3192	2967	3024	2731	2873	2620
40	1968 Federal Report Surplus Deficit	3011	2656	2906	2557	2677	2461	2510	2222	2363	2108
41	1969 Federal Report Surplus Deficit	5314	4856	5115	4759	4888	4667	4722	4427	4568	4311
42	1970 Federal Report Surplus Deficit	2466	2229	2476	2126	2249	2031	2081	1792	1933	1679
43	1971 Federal Report Surplus Deficit	5036	4547	4760	4399	4521	4306	4364	4064	4202	3945
44	1972 Federal Report Surplus Deficit	5820	5457	5708	5355	5479	5263	5315	5023	5160	4904
45	1973 Federal Report Surplus Deficit	1570	1070	1309	962	1084	869	915	629	770	514
46	1974 Federal Report Surplus Deficit	5531	5166	5374	5009	5133	4912	4976	4676	4815	4560
47	1975 Federal Report Surplus Deficit	3702	3368	3615	3268	3391	3176	3222	2936	3075	2819
48	1976 Federal Report Surplus Deficit	5896	5457	5723	5369	5495	5278	5328	5037	5177	4920
49	1977 Federal Report Surplus Deficit	700	196	417	72.2	194	-21.6	23.0	-261	-116	-370
50	1978 Federal Report Surplus Deficit	2350	2093	2292	1941	2064	1848	1896	1609	1750	1497
51	1979 Federal Report Surplus Deficit	1834	1313	1465	1123	1245	1028	1069	787	930	672
52	1980 Federal Report Surplus Deficit	1740	1390	1657	1312	1435	1219	1262	980	1123	870
53	1981 Federal Report Surplus Deficit	3488	3089	3320	2967	3091	2875	2926	2636	2780	2527
54	1982 Federal Report Surplus Deficit	5133	4747	5038	4680	4805	4589	4646	4351	4488	4234
55	1983 Federal Report Surplus Deficit	5006	4668	4862	4511	4636	4419	4467	4179	4317	4060
56	1984 Federal Report Surplus Deficit	5018	4619	4916	4568	4691	4476	4523	4237	4374	4118
57	1985 Federal Report Surplus Deficit	2339	1839	2158	1812	1936	1719	1763	1479	1619	1363
58	1986 Federal Report Surplus Deficit	3755	3394	3663	3302	3427	3209	3259	2969	3107	2851
59	1987 Federal Report Surplus Deficit	1332	899	1132	787	909	694	737	454	598	342

Federal Report Surplus Deficit By Water Year

Operating Year 2014 to 2023

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

S104-WB-20121129-173308Continued

	Energy-aMW - Surplus Deficit	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
60	1988 Federal Report Surplus Deficit	86.3	-429	-211	-553	-431	-647	-606	-886	-742	-994
61	1989 Federal Report Surplus Deficit	1339	946	1116	776	898	683	720	442	585	332
62	1990 Federal Report Surplus Deficit	3078	2657	2900	2548	2671	2455	2504	2214	2356	2102
63	1991 Federal Report Surplus Deficit	4214	3723	3944	3591	3715	3499	3550	3259	3402	3149
64	1992 Federal Report Surplus Deficit	936	292	530	184	306	90.2	135	-149	-4.63	-258
65	1993 Federal Report Surplus Deficit	772	413	568	229	351	135	172	-105	38.0	-215
66	1994 Federal Report Surplus Deficit	571	260	466	122	244	27.9	70.6	-211	-69.2	-324
67	1995 Federal Report Surplus Deficit	2063	1738	1933	1582	1704	1489	1538	1249	1391	1138
68	1996 Federal Report Surplus Deficit	6766	6428	6612	6255	6380	6164	6218	5924	6063	5806
69	1997 Federal Report Surplus Deficit	6105	5738	5986	5624	5752	5530	5590	5292	5429	5173
70	1998 Federal Report Surplus Deficit	4147	3810	4045	3703	3827	3607	3651	3370	3508	3251
71	1999 Federal Report Surplus Deficit	4780	4333	4661	4307	4430	4209	4266	3972	4110	3854
72	2000 Federal Report Surplus Deficit	4061	3641	3882	3536	3659	3444	3487	3203	3343	3088
73	2001 Federal Report Surplus Deficit	-93.2	-660	-432	-779	-658	-873	-828	-1113	-969	-1222
74	2002 Federal Report Surplus Deficit	1446	1259	1385	1041	1163	947	990	708	852	599
75	2003 Federal Report Surplus Deficit	1607	1268	1423	1081	1203	988	1029	748	892	639
76	2004 Federal Report Surplus Deficit	1146	734	925	584	706	490	530	251	394	141
77	2005 Federal Report Surplus Deficit	1796	1341	1639	1290	1413	1197	1244	957	1101	847
78	2006 Federal Report Surplus Deficit	3657	3214	3436	3082	3205	2989	3040	2749	2889	2634
79	2007 Federal Report Surplus Deficit	2622	2292	2504	2158	2281	2065	2110	1826	1968	1714
80	2008 Federal Report Surplus Deficit	2174	1805	2007	1662	1787	1569	1611	1330	1482	1227

Ranked Averages

81	**Bottom 10 pct**	**-5.6**	**-230**	**-129**	**-301**	**-240**	**-348**	**-327**	**-468**	**-396**	**-523**
82	**Middle 80 pct**	**1462**	**1266**	**1380**	**1206**	**1268**	**1160**	**1183**	**1040**	**1111**	**984**
83	**Top 10 pct**	**2969**	**2770**	**2888**	**2709**	**2772**	**2663**	**2691**	**2543**	**2613**	**2484**

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

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2014 to 2023

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
1	1929 Regional Report Surplus Deficit	8298	6947	6292	5292	5218	4179	3823	1816	688	-211
2	1930 Regional Report Surplus Deficit	7020	6028	5387	4381	4307	3269	2918	905	-222	-1121
3	1931 Regional Report Surplus Deficit	6246	5347	4630	3637	3563	2524	2161	161	-967	-1866
4	1932 Regional Report Surplus Deficit	10788	9854	9291	8310	8235	7189	6810	4820	3692	2793
5	1933 Regional Report Surplus Deficit	14305	13520	12805	11793	11719	10685	10336	8317	7189	6290
6	1934 Regional Report Surplus Deficit	19093	17923	17284	16258	16185	15145	14811	12778	11650	10751
7	1935 Regional Report Surplus Deficit	11534	10943	10254	9237	9163	8124	7784	5761	4633	3734
8	1936 Regional Report Surplus Deficit	10281	9182	8685	7698	7627	6581	6209	4212	3085	2186
9	1937 Regional Report Surplus Deficit	7121	5704	5117	4123	4050	3010	2648	647	-480	-1380
10	1938 Regional Report Surplus Deficit	13468	12430	11851	10836	10770	9721	9355	7343	6215	5316
11	1939 Regional Report Surplus Deficit	10108	8925	8230	7228	7153	6112	5760	3749	2622	1723
12	1940 Regional Report Surplus Deficit	9989	8901	8349	7352	7278	6239	5879	3876	2748	1849
13	1941 Regional Report Surplus Deficit	7471	6370	5775	4772	4699	3660	3306	1296	169	-730
14	1942 Regional Report Surplus Deficit	10948	10294	9444	8439	8365	7326	6974	4962	3834	2935
15	1943 Regional Report Surplus Deficit	15409	14491	13861	12825	12742	11703	11358	9338	8211	7312
16	1944 Regional Report Surplus Deficit	7308	6042	5476	4471	4397	3359	3007	995	-132	-1031
17	1945 Regional Report Surplus Deficit	7607	6772	5994	4993	4920	3880	3523	1516	388	-511
18	1946 Regional Report Surplus Deficit	14240	13141	12535	11521	11457	10404	10051	8040	6913	6014
19	1947 Regional Report Surplus Deficit	16493	15534	14909	13892	13822	12770	12433	10406	9278	8379
20	1948 Regional Report Surplus Deficit	17431	16271	15743	14734	14650	13600	13241	11230	10102	9203
21	1949 Regional Report Surplus Deficit	14361	13659	12981	11981	11915	10857	10506	8504	7376	6477
22	1950 Regional Report Surplus Deficit	16062	15005	14473	13449	13365	12329	11965	9938	8810	7911
23	1951 Regional Report Surplus Deficit	20453	19551	18933	17897	17823	16781	16454	14418	13290	12391
24	1952 Regional Report Surplus Deficit	17532	16623	16034	15016	14952	13884	13548	11531	10403	9504
25	1953 Regional Report Surplus Deficit	13164	12256	11602	10593	10520	9477	9115	7101	5973	5074
26	1954 Regional Report Surplus Deficit	16631	15543	14810	13795	13722	12680	12336	10313	9186	8287
27	1955 Regional Report Surplus Deficit	13932	13452	12734	11754	11676	10635	10272	8274	7146	6247
28	1956 Regional Report Surplus Deficit	20296	19234	18629	17589	17512	16473	16127	14104	12976	12077
29	1957 Regional Report Surplus Deficit	15634	14758	14164	13175	13105	12054	11700	9694	8567	7668
30	1958 Regional Report Surplus Deficit	13971	13044	12548	11522	11454	10405	10052	8037	6910	6011
31	1959 Regional Report Surplus Deficit	16935	15765	15087	14054	13987	12951	12608	10578	9451	8552
32	1960 Regional Report Surplus Deficit	18010	17266	16660	15664	15590	14550	14186	12183	11055	10156
33	1961 Regional Report Surplus Deficit	14617	13477	12871	11856	11786	10735	10398	8381	7253	6354
34	1962 Regional Report Surplus Deficit	12923	11800	11295	10288	10208	9168	8819	6857	5676	4830
35	1963 Regional Report Surplus Deficit	14038	12800	12216	11201	11127	10088	9746	7725	6597	5698
36	1964 Regional Report Surplus Deficit	13741	12403	11811	10806	10733	9685	9329	7326	6199	5300
37	1965 Regional Report Surplus Deficit	19270	18518	17897	16866	16796	15752	15419	13384	12256	11357
38	1966 Regional Report Surplus Deficit	13048	12267	11607	10605	10531	9492	9136	7179	6000	5152
39	1967 Regional Report Surplus Deficit	15457	14107	13673	12637	12567	11518	11178	9148	8021	7122
40	1968 Regional Report Surplus Deficit	14164	13362	12762	11749	11670	10629	10288	8267	7139	6240
41	1969 Regional Report Surplus Deficit	18699	17677	17142	16112	16050	14963	14639	12610	11483	10584
42	1970 Regional Report Surplus Deficit	12778	12069	11459	10445	10371	9339	8983	6962	5835	4936
43	1971 Regional Report Surplus Deficit	18307	17034	16459	15428	15337	14302	13966	11922	10795	9896
44	1972 Regional Report Surplus Deficit	20188	19319	18823	17796	17725	16654	16317	14288	13161	12262
45	1973 Regional Report Surplus Deficit	11044	9994	9364	8358	8284	7246	6895	4882	3754	2855
46	1974 Regional Report Surplus Deficit	19526	18396	17914	16821	16768	15701	15379	13336	12208	11309
47	1975 Regional Report Surplus Deficit	15581	14799	14242	13221	13155	12103	11747	9733	8606	7707
48	1976 Regional Report Surplus Deficit	20273	19326	18740	17714	17654	16599	16256	14234	13106	12207
49	1977 Regional Report Surplus Deficit	8621	7528	6848	5846	5772	4733	4379	2370	1242	343
50	1978 Regional Report Surplus Deficit	12437	11604	10992	9982	9909	8869	8521	6505	5378	4479
51	1979 Regional Report Surplus Deficit	11238	10148	9330	8331	8258	7216	6857	4851	3724	2825
52	1980 Regional Report Surplus Deficit	11303	10397	9819	8814	8743	7697	7346	5337	4210	3311
53	1981 Regional Report Surplus Deficit	14607	13668	13019	11998	11926	10883	10546	8521	7393	6494
54	1982 Regional Report Surplus Deficit	18125	17265	16755	15721	15656	14610	14283	12249	11122	10223
55	1983 Regional Report Surplus Deficit	18306	17591	16842	15826	15754	14713	14368	12348	11221	10322

Regional Report Surplus Deficit By Water Year

Operating Year 2014 to 2023

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
56	1984 Regional Report Surplus Deficit	17935	17093	16555	15549	15472	14429	14087	12071	10943	10044
57	1985 Regional Report Surplus Deficit	12616	11507	11009	10007	9934	8894	8538	6529	5402	4503
58	1986 Regional Report Surplus Deficit	15452	14544	13955	12929	12857	11816	11473	9451	8324	7424
59	1987 Regional Report Surplus Deficit	10439	9383	8746	7744	7670	6631	6277	4268	3140	2241
60	1988 Regional Report Surplus Deficit	7425	6012	5471	4477	4403	3365	3002	1001	-126	-1025
61	1989 Regional Report Surplus Deficit	10243	9121	8530	7539	7465	6426	6058	4061	2933	2034
62	1990 Regional Report Surplus Deficit	14157	13062	12492	11477	11403	10363	10020	7998	6871	5972
63	1991 Regional Report Surplus Deficit	16323	15231	14609	13589	13516	12477	12139	10112	8985	8086
64	1992 Regional Report Surplus Deficit	8846	7523	6934	5927	5853	4815	4465	2451	1324	425
65	1993 Regional Report Surplus Deficit	8772	7654	6981	5993	5919	4880	4511	2516	1389	490
66	1994 Regional Report Surplus Deficit	8287	7410	6781	5783	5709	4670	4311	2307	1179	280
67	1995 Regional Report Surplus Deficit	11711	10781	10174	9158	9084	8045	7704	5681	4554	3655
68	1996 Regional Report Surplus Deficit	21866	20982	20300	19279	19211	18154	17826	15790	14662	13763
69	1997 Regional Report Surplus Deficit	20642	19838	19235	18194	18130	17075	16749	14711	13583	12684
70	1998 Regional Report Surplus Deficit	16663	15929	15294	14292	14224	13165	12801	10797	9670	8770
71	1999 Regional Report Surplus Deficit	17980	16825	16389	15359	15295	14241	13912	11882	10754	9855
72	2000 Regional Report Surplus Deficit	16179	15288	14643	13638	13564	12525	12171	10160	9032	8133
73	2001 Regional Report Surplus Deficit	6763	5455	4799	3795	3721	2683	2330	319	-808	-1707
74	2002 Regional Report Surplus Deficit	10312	9679	8849	7849	7776	6735	6380	4374	3246	2347
75	2003 Regional Report Surplus Deficit	10278	9264	8557	7563	7488	6449	6089	4086	2959	2060
76	2004 Regional Report Surplus Deficit	9430	8431	7747	6753	6679	5640	5278	3277	2149	1250
77	2005 Regional Report Surplus Deficit	10726	9695	9158	8149	8075	7036	6688	4671	3545	2644
78	2006 Regional Report Surplus Deficit	14747	13552	13057	12030	11960	10911	10567	8540	7413	6514
79	2007 Regional Report Surplus Deficit	13069	12090	11529	10526	10451	9413	9059	7050	5922	5023
80	2008 Regional Report Surplus Deficit	11572	10650	9992	8992	8923	7871	7517	5513	4385	3486

Ranked Averages

81	**Bottom 10 pct**	**3560**	**2983**	**2666**	**2166**	**2129**	**1609**	**1431**	**428**	**-136**	**-586**
82	**Middle 80 pct**	**6823**	**6332**	**6024**	**5519**	**5483**	**4961**	**4786**	**3779**	**3215**	**2766**
83	**Top 10 pct**	**10157**	**9698**	**9404**	**8885**	**8851**	**8324**	**8158**	**7141**	**6578**	**6128**

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Section 2: Monthly Energy Operating Year 2014 to 2023

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Exhibit 19
Federal Report Surplus Deficit

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

Federal Report Surplus Deficit

Operating Year: 2014 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	718	716	670	519	473	498	476	470	505	671	671	743	751	834	611
2	Federal Agencies	113	113	103	107	132	154	151	140	135	113	113	104	105	119	123
3	USBR Obligation	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	DSI Obligation	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
5	**Transfers Out**	7583	7334	6926	6823	8165	8785	8315	8018	7530	6958	6975	7625	7110	7533	7604
6	Load Following 2012 PSC	3086	3089	2841	2781	3236	3658	3616	3446	3054	2940	2940	2828	2946	3191	3134
7	Slice Block 2012 PSC	1636	1636	1716	1655	2046	2274	2310	2137	1989	1663	1663	1454	1351	1592	1817
8	Slice Right to Power 2012 PSC	2006	1749	1673	1617	2151	2118	1655	1579	1742	1715	1732	2764	2227	2154	1943
9	Exports	716	721	567	761	517	520	519	642	635	529	529	570	577	586	595
10	Intra-Regional Transfers (Out)	139	140	129	9.00	215	215	215	215	110	110	110	9.00	9.00	9.00	115
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8300**	**8050**	**7596**	**7341**	**8638**	**9283**	**8791**	**8488**	**8035**	**7629**	**7646**	**8368**	**7861**	**8366**	**8216**
	Net Resources															
13	**Net Hydro**	7209	6200	5776	5648	7575	7314	5768	5618	6133	6118	6197	10163	8115	7918	6917
14	Regulated Hydro - Net	6848	5842	5444	5327	7304	7135	5623	5466	5881	5684	5752	9445	7451	7514	6563
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
16	**Other Resources**	1097	1134	1118	1113	1099	1107	1091	1086	1125	1129	1112	1120	1138	1112	1112
17	Cogeneration Resources	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	406	402	478	410	573	703	471	466	481	474	474	224	333	229	437
24	Imports	133	133	23.6	20.4	37.9	269	36.4	37.2	33.9	16.2	16.2	1.12	1.00	16.1	52.7
25	Intra-Regional Transfers (In)	96.5	96.5	290	220	356	260	264	263	280	288	288	32.9	158	34.4	211
26	Non-Federal CER	138	139	133	139	138	134	139	137	134	138	138	138	132	138	136
27	Slice Transmission Loss Return	37.9	33.0	31.5	30.4	40.6	40.0	31.2	29.7	32.8	32.3	32.6	52.2	42.0	40.6	36.6
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-246	-218	-208	-202	-261	-257	-207	-202	-218	-218	-220	-325	-270	-261	-239
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-246	-218	-208	-202	-261	-257	-207	-202	-218	-218	-220	-325	-270	-261	-239
35	**Total Net Resources**	**8466**	**7518**	**7164**	**6969**	**8986**	**8866**	**7124**	**6968**	**7520**	**7504**	**7564**	**11183**	**9316**	**8998**	**8227**
36	**Total Surplus/Deficit**	**165**	**-532**	**-432**	**-372**	**348**	**-417**	**-1668**	**-1521**	**-515**	**-125**	**-81.6**	**2816**	**1455**	**632**	**11.5**

Federal Report Surplus Deficit

Operating Year: 2015 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	713	722	670	520	475	500	480	473	508	674	674	745	753	830	613
2	Federal Agencies	115	114	103	108	134	157	155	143	138	116	116	106	107	116	125
3	USBR Obligation	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	DSI Obligation	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
5	**Transfers Out**	7465	7128	6648	6906	8266	8943	8603	8160	7648	7086	7096	7476	6822	7452	7609
6	Load Following 2012 PSC	3134	3107	2878	2849	3305	3722	3673	3502	3107	2989	2989	2876	2995	3245	3187
7	Slice Block 2012 PSC	1593	1593	1661	1736	2147	2387	2424	2243	2088	1746	1746	1526	1419	1671	1886
8	Slice Right to Power 2012 PSC	2051	1768	1585	1576	2105	2127	1799	1583	1732	1736	1745	2519	1848	1971	1877
9	Exports	679	651	515	736	494	493	492	617	610	505	505	547	551	556	565
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	214	215	215	215	110	110	110	9.00	9.00	9.00	93.6
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8179**	**7850**	**7318**	**7426**	**8741**	**9444**	**9083**	**8633**	**8155**	**7760**	**7770**	**8221**	**7575**	**8282**	**8222**
	Net Resources															
13	**Net Hydro**	7383	6256	5516	5577	7487	7333	6306	5623	6084	6188	6239	9757	7685	7478	6833
14	Regulated Hydro - Net	7022	5898	5184	5255	7216	7154	6161	5471	5833	5753	5794	9039	7021	7075	6479
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
16	**Other Resources**	1097	1134	1118	1113	1099	1107	1091	1086	1125	1129	1112	588	108	846	960
17	Cogeneration Resources	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	347	334	327	369	395	618	386	375	392	382	382	265	377	272	375
24	Imports	132	133	24.0	20.4	39.1	268	37.3	37.2	33.3	16.2	16.2	1.12	1.00	11.6	52.3
25	Intra-Regional Transfers (In)	38.6	38.7	136	181	184	172	177	172	193	196	196	83.9	204	85.4	151
26	Non-Federal CER	138	129	138	138	132	138	138	136	133	137	137	133	137	138	136
27	Slice Transmission Loss Return	38.7	33.3	29.8	29.7	39.7	40.1	33.9	29.8	32.6	32.7	32.9	47.6	34.8	37.2	35.4
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-249	-218	-196	-199	-253	-255	-219	-200	-214	-217	-218	-299	-230	-242	-230
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-249	-218	-196	-199	-253	-255	-219	-200	-214	-217	-218	-299	-230	-242	-230
35	**Total Net Resources**	**8578**	**7506**	**6765**	**6860**	**8728**	**8803**	**7564**	**6885**	**7387**	**7481**	**7515**	**10310**	**7940**	**8354**	**7937**
36	**Total Surplus/Deficit**	**399**	**-344**	**-554**	**-566**	**-12.9**	**-640**	**-1519**	**-1748**	**-768**	**-279**	**-255**	**2089**	**364**	**71.8**	**-284**

Federal Report Surplus Deficit

Operating Year: 2016 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	710	718	666	522	478	504	481	470	509	674	674	746	754	831	613
2	Federal Agencies	111	110	99.4	111	137	160	155	141	139	117	117	107	108	116	125
3	USBR Obligation	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	DSI Obligation	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
5	**Transfers Out**	7595	7239	6738	6875	8223	8889	8551	7954	7603	7049	7059	7555	7043	7486	7617
6	Load Following 2012 PSC	3192	3166	2937	2865	3325	3737	3692	3435	3121	3005	3005	2891	3016	3270	3206
7	Slice Block 2012 PSC	1672	1672	1743	1684	2082	2315	2350	2100	2024	1693	1693	1481	1379	1621	1845
8	Slice Right to Power 2012 PSC	2041	1739	1530	1573	2100	2122	1794	1580	1730	1728	1738	2659	2122	2032	1907
9	Exports	682	654	518	744	502	500	499	625	618	513	513	515	517	554	565
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	214	215	215	215	110	110	110	9.00	9.00	9.00	93.9
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8305**	**7957**	**7404**	**7397**	**8701**	**9393**	**9031**	**8425**	**8112**	**7724**	**7733**	**8301**	**7797**	**8317**	**8230**
	Net Resources															
13	**Net Hydro**	7372	6175	5342	5577	7487	7333	6306	5623	6084	6188	6239	9758	7685	7478	6811
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9040	7021	7075	6458
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	353
16	**Other Resources**	1097	1134	1118	1113	1099	1107	1091	1086	1125	1107	1090	1101	1124	1094	1106
17	Cogeneration Resources	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	0	0	0	0	0	13.1
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.2
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.04	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	392	379	365	361	385	610	379	366	386	381	382	267	382	257	377
24	Imports	127	128	12.0	12.1	29.4	260	30.2	28.8	28.5	16.2	16.2	1.00	1.00	1.00	46.1
25	Intra-Regional Transfers (In)	89.6	89.7	187	182	185	172	183	172	187	196	196	83.9	205	85.6	160
26	Non-Federal CER	137	128	137	138	131	138	133	136	138	136	136	132	136	132	135
27	Slice Transmission Loss Return	38.5	32.8	28.8	29.5	39.5	39.9	33.7	29.6	32.5	32.4	32.6	50.1	39.9	38.2	35.9
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-250	-217	-192	-199	-253	-255	-219	-200	-214	-216	-217	-314	-259	-249	-234
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-250	-217	-192	-199	-253	-255	-219	-200	-214	-216	-217	-314	-259	-249	-234
35	**Total Net Resources**	**8612**	**7471**	**6633**	**6852**	**8718**	**8795**	**7557**	**6876**	**7381**	**7460**	**7493**	**10812**	**8932**	**8580**	**8061**
36	**Total Surplus/Deficit**	**306**	**-487**	**-772**	**-545**	**17.2**	**-597**	**-1474**	**-1548**	**-730**	**-264**	**-240**	**2511**	**1135**	**263**	**-169**

Federal Report Surplus Deficit

Operating Year: 2017 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	716	714	667	523	479	505	508	499	531	689	699	763	772	850	626
2	Federal Agencies	111	112	100.0	112	138	161	183	169	161	137	136	125	125	136	138
3	USBR Obligation	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
4	DSI Obligation	312	312	313	311	313	311	312	313	312	313	312	312	311	312	312
5	**Transfers Out**	7524	7226	6692	6897	8254	8928	8572	8128	7601	7082	7029	7426	6804	7479	7601
6	Load Following 2012 PSC	3203	3206	2961	2886	3349	3762	3699	3518	3116	3030	3000	2936	3061	3318	3235
7	Slice Block 2012 PSC	1621	1621	1690	1721	2128	2366	2403	2224	2070	1730	1730	1513	1409	1657	1876
8	Slice Right to Power 2012 PSC	2042	1737	1529	1564	2087	2107	1779	1565	1715	1719	1733	2494	1851	1987	1860
9	Exports	648	652	503	717	475	477	477	605	591	493	455	474	474	509	535
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	215	215	215	215	110	109	111	9.00	9.00	9.00	93.6
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8240**	**7940**	**7359**	**7420**	**8733**	**9432**	**9081**	**8626**	**8132**	**7771**	**7728**	**8189**	**7575**	**8330**	**8227**
	Net Resources															
13	**Net Hydro**	7372	6175	5342	5577	7487	7333	6306	5623	6084	6188	6239	9758	7685	7478	6815
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9040	7021	7075	6461
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
16	**Other Resources**	1085	1122	1104	1095	1079	1084	1067	1063	1102	1107	1090	470	93.8	928	941
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	382	377	352	348	354	581	348	337	357	364	365	268	375	255	360
24	Imports	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
25	Intra-Regional Transfers (In)	89.5	89.5	186	186	178	171	182	171	186	195	207	83.9	204	85.6	160
26	Non-Federal CER	136	138	136	132	136	137	132	135	137	135	125	136	135	131	135
27	Slice Transmission Loss Return	38.4	32.6	28.7	29.3	39.3	39.6	33.4	29.3	32.2	32.3	32.5	47.0	34.8	37.4	35.0
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-249	-216	-192	-198	-252	-254	-218	-198	-213	-216	-217	-296	-230	-244	-229
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-249	-216	-192	-198	-252	-254	-218	-198	-213	-216	-217	-296	-230	-244	-229
35	**Total Net Resources**	**8589**	**7457**	**6606**	**6822**	**8669**	**8745**	**7504**	**6825**	**7331**	**7443**	**7477**	**10200**	**7923**	**8416**	**7887**
36	**Total Surplus/Deficit**	**349**	**-482**	**-753**	**-597**	**-63.8**	**-688**	**-1577**	**-1801**	**-802**	**-328**	**-251**	**2011**	**348**	**86.7**	**-340**

Federal Report Surplus Deficit

Operating Year: 2018 Water Year: 1937

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	735	733	685	542	504	534	521	510	541	708	698	772	780	860	641
2	Federal Agencies	131	131	118	131	164	191	196	181	172	145	146	133	134	145	153
3	USBR Obligation	292	290	254	100	27.6	32.8	13.5	16.9	57.8	251	240	327	335	402	176
4	DSI Obligation	312	312	313	311	313	311	312	313	312	312	313	312	311	312	312
5	**Transfers Out**	7542	7245	6690	6831	8187	8895	8570	8127	7598	7025	7097	7602	7091	7544	7632
6	Load Following 2012 PSC	3228	3231	2953	2851	3310	3764	3729	3546	3139	3027	3057	2966	3096	3359	3248
7	Slice Block 2012 PSC	1657	1657	1728	1688	2089	2322	2359	2183	2031	1697	1697	1484	1382	1626	1853
8	Slice Right to Power 2012 PSC	2038	1733	1525	1574	2096	2115	1789	1575	1725	1733	1739	2666	2128	2039	1907
9	Exports	610	614	476	708	477	479	478	607	593	457	495	476	476	511	531
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	215	215	215	215	110	111	109	9.00	9.00	9.00	93.6
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8277**	**7978**	**7375**	**7373**	**8691**	**9429**	**9092**	**8637**	**8140**	**7732**	**7795**	**8373**	**7871**	**8403**	**8273**
	Net Resources															
13	**Net Hydro**	7372	6175	5342	5577	7487	7333	6306	5623	6084	6188	6239	9758	7685	7478	6815
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9040	7021	7075	6461
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
16	**Other Resources**	1085	1122	1104	1095	1079	1084	1067	1063	1102	1107	1090	1101	1124	1094	1093
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	380	376	296	290	298	523	292	280	301	303	308	270	324	254	318
24	Imports	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
25	Intra-Regional Transfers (In)	89.5	89.5	131	129	123	119	122	116	132	146	140	83.9	149	85.6	118
26	Non-Federal CER	135	137	135	131	135	131	136	134	136	124	134	135	134	130	133
27	Slice Transmission Loss Return	38.3	32.5	28.6	29.3	39.2	39.6	33.4	29.3	32.2	32.3	32.4	50.1	39.8	38.1	35.7
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-249	-216	-190	-196	-250	-252	-216	-196	-211	-214	-215	-314	-258	-249	-232
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-249	-216	-190	-196	-250	-252	-216	-196	-211	-214	-215	-314	-258	-249	-232
35	**Total Net Resources**	**8588**	**7456**	**6552**	**6765**	**8615**	**8688**	**7449**	**6770**	**7276**	**7384**	**7421**	**10815**	**8875**	**8577**	**7994**
36	**Total Surplus/Deficit**	**311**	**-522**	**-823**	**-608**	**-76.6**	**-741**	**-1643**	**-1867**	**-863**	**-349**	**-374**	**2441**	**1004**	**174**	**-280**

Federal Report Surplus Deficit

Operating Year: 2019 Water Year: 1937

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	744	742	693	551	516	548	533	521	551	711	711	779	787	868	651
2	Federal Agencies	139	140	126	140	175	204	208	191	181	153	153	140	141	153	163
3	USBR Obligation	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	DSI Obligation	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
5	**Transfers Out**	7557	7260	6695	6878	8096	8815	8489	8041	7577	7034	7044	7469	6874	7583	7581
6	Load Following 2012 PSC	3269	3272	2985	2868	3329	3789	3752	3569	3157	3063	3063	2991	3125	3395	3273
7	Slice Block 2012 PSC	1626	1626	1695	1724	2134	2372	2409	2230	2075	1734	1734	1516	1412	1660	1881
8	Slice Right to Power 2012 PSC	2049	1745	1536	1575	2149	2168	1842	1628	1750	1758	1768	2483	1858	2013	1891
9	Exports	605	609	470	702	472	473	473	602	587	471	471	470	471	505	525
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	12.9	12.8	12.9	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8301**	**8002**	**7388**	**7430**	**8612**	**9363**	**9022**	**8562**	**8128**	**7745**	**7755**	**8248**	**7661**	**8450**	**8232**
	Net Resources															
13	**Net Hydro**	7372	6175	5342	5577	7487	7333	6306	5623	6084	6188	6239	9755	7685	7478	6814
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9037	7021	7075	6461
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
16	**Other Resources**	1085	1122	1104	1095	1079	1084	1067	1063	1102	1107	1090	403	93.8	994	941
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	332	0	930	878
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	379	375	292	291	298	522	292	279	298	307	307	265	315	258	317
24	Imports	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
25	Intra-Regional Transfers (In)	89.5	89.5	134	126	123	119	121	115	134	140	140	83.9	151	85.4	118
26	Non-Federal CER	134	135	129	135	134	130	135	133	130	133	133	134	128	134	132
27	Slice Transmission Loss Return	38.3	32.5	28.6	29.3	40.2	40.6	34.4	30.3	32.6	32.8	33.0	46.6	34.7	37.6	35.3
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-249	-216	-190	-196	-250	-252	-216	-196	-211	-214	-215	-294	-228	-246	-228
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-249	-216	-190	-196	-250	-252	-216	-196	-211	-214	-215	-294	-228	-246	-228
35	**Total Net Resources**	**8587**	**7455**	**6548**	**6766**	**8614**	**8688**	**7449**	**6769**	**7273**	**7387**	**7421**	**10129**	**7865**	**8483**	**7844**
36	**Total Surplus/Deficit**	**286**	**-547**	**-840**	**-663**	**2.19**	**-675**	**-1574**	**-1793**	**-855**	**-358**	**-334**	**1881**	**204**	**33.0**	**-388**

Federal Report Surplus Deficit

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	752	750	700	559	526	560	540	522	556	716	716	783	792	873	657
2	Federal Agencies	147	148	133	147	186	217	215	192	187	158	158	145	146	158	169
3	USBR Obligation	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	DSI Obligation	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
5	**Transfers Out**	7620	7323	6751	6876	8089	8810	8478	7863	7566	7032	7042	7656	7156	7623	7617
6	Load Following 2012 PSC	3303	3306	3011	2898	3360	3827	3783	3506	3183	3093	3093	3025	3164	3440	3300
7	Slice Block 2012 PSC	1660	1660	1732	1695	2097	2331	2368	2116	2039	1703	1703	1490	1387	1632	1854
8	Slice Right to Power 2012 PSC	2048	1744	1535	1578	2152	2171	1845	1631	1752	1761	1771	2667	2130	2042	1932
9	Exports	600	604	465	697	466	468	468	597	582	465	465	465	466	500	520
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	12.9	12.8	12.9	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8372**	**8073**	**7451**	**7435**	**8615**	**9371**	**9018**	**8385**	**8122**	**7748**	**7758**	**8439**	**7948**	**8496**	**8274**
	Net Resources															
13	**Net Hydro**	7372	6175	5342	5577	7487	7333	6306	5623	6084	6188	6239	9756	7685	7478	6811
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6458
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	353
16	**Other Resources**	1085	1122	1104	1095	1079	1084	1067	1063	1102	1107	1090	1101	1124	1094	1093
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.2
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.04	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	378	374	234	184	191	413	185	172	188	200	200	211	215	206	232
24	Imports	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.5
25	Intra-Regional Transfers (In)	89.5	89.5	76.4	20.4	16.9	11.1	16.2	8.97	26.5	34.5	34.5	32.9	42.8	34.4	34.3
26	Non-Federal CER	133	134	128	134	133	129	133	132	128	132	132	127	132	132	131
27	Slice Transmission Loss Return	38.3	32.5	28.6	29.4	40.3	40.6	34.5	30.4	32.7	32.9	33.0	50.1	39.9	38.2	36.1
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-249	-216	-188	-193	-247	-249	-213	-193	-208	-211	-212	-312	-254	-248	-229
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-249	-216	-188	-193	-247	-249	-213	-193	-208	-211	-212	-312	-254	-248	-229
35	**Total Net Resources**	**8585**	**7454**	**6491**	**6663**	**8510**	**8582**	**7345**	**6665**	**7167**	**7284**	**7317**	**10756**	**8770**	**8530**	**7907**
36	**Total Surplus/Deficit**	**214**	**-619**	**-960**	**-772**	**-105**	**-789**	**-1673**	**-1720**	**-956**	**-464**	**-441**	**2317**	**822**	**34.7**	**-367**

Federal Report Surplus Deficit

Operating Year: 2021 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	752	760	705	564	533	568	544	531	560	719	719	786	794	876	662
2	Federal Agencies	153	152	138	152	192	224	219	201	190	161	161	147	148	161	174
3	USBR Obligation	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	DSI Obligation	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
5	**Transfers Out**	7664	7305	6756	6875	8085	8814	8481	8037	7570	7041	7050	7523	6908	7587	7597
6	Load Following 2012 PSC	3364	3335	3047	2913	3377	3849	3808	3624	3204	3118	3118	3054	3199	3480	3334
7	Slice Block 2012 PSC	1632	1632	1702	1685	2085	2318	2355	2179	2028	1694	1694	1482	1379	1623	1845
8	Slice Right to Power 2012 PSC	2048	1747	1539	1576	2149	2170	1842	1629	1752	1760	1769	2518	1860	1980	1892
9	Exports	612	583	460	692	461	463	463	592	577	460	460	460	460	495	515
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	12.7	12.9	12.8	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8416**	**8065**	**7461**	**7439**	**8618**	**9382**	**9025**	**8568**	**8130**	**7759**	**7769**	**8309**	**7703**	**8462**	**8259**
	Net Resources															
13	**Net Hydro**	7372	6175	5342	5577	7487	7333	6306	5623	6084	6188	6239	9756	7685	7478	6814
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6461
15	Independent Hydro - Net	361	358	332	321	271	179	145	152	251	434	445	718	664	403	354
16	**Other Resources**	1084	1122	1104	1095	1079	1084	1067	1063	1102	1107	1090	536	93.8	861	941
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	465	0	797	878
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	326	312	187	183	185	417	179	171	193	200	200	209	210	205	222
24	Imports	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
25	Intra-Regional Transfers (In)	38.6	38.7	25.4	20.4	17.0	11.1	16.1	8.96	26.5	34.5	34.5	32.9	42.8	34.4	25.8
26	Non-Federal CER	132	124	132	132	126	132	127	130	133	132	132	127	132	132	130
27	Slice Transmission Loss Return	38.3	32.6	28.6	29.3	40.2	40.6	34.4	30.3	32.7	32.8	33.0	47.2	34.7	37.0	35.3
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-248	-215	-187	-193	-247	-249	-213	-193	-208	-211	-212	-296	-225	-241	-225
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-248	-215	-187	-193	-247	-249	-213	-193	-208	-211	-212	-296	-225	-241	-225
35	**Total Net Resources**	**8535**	**7394**	**6446**	**6662**	**8504**	**8586**	**7339**	**6664**	**7171**	**7283**	**7317**	**10204**	**7764**	**8303**	**7752**
36	**Total Surplus/Deficit**	**119**	**-670**	**-1016**	**-777**	**-113**	**-796**	**-1686**	**-1904**	**-958**	**-476**	**-452**	**1896**	**61.2**	**-160**	**-507**

Federal Report Surplus Deficit

Operating Year: 2022 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	764	753	707	567	536	572	546	532	561	720	720	787	795	877	664
2	Federal Agencies	154	156	140	155	196	228	220	203	191	162	162	148	149	163	176
3	USBR Obligation	298	285	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	DSI Obligation	312	313	313	311	313	311	312	313	312	312	312	312	311	312	312
5	**Transfers Out**	7620	7393	6773	6908	8121	8853	8498	8053	7584	7056	7066	7687	7194	7665	7659
6	Load Following 2012 PSC	3367	3408	3079	2951	3416	3895	3831	3646	3223	3136	3136	3074	3220	3503	3363
7	Slice Block 2012 PSC	1623	1623	1692	1686	2087	2320	2356	2181	2029	1695	1695	1483	1380	1624	1845
8	Slice Right to Power 2012 PSC	2050	1742	1537	1574	2149	2167	1839	1626	1751	1760	1769	2666	2129	2039	1931
9	Exports	571	612	456	688	457	459	458	587	573	456	456	455	456	491	510
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	12.9	12.9	12.8	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8384**	**8147**	**7480**	**7474**	**8658**	**9425**	**9043**	**8585**	**8145**	**7776**	**7785**	**8474**	**7989**	**8542**	**8323**
	Net Resources															
13	**Net Hydro**	7372	6175	5342	5564	7471	7312	6284	5603	6070	6178	6229	9749	7675	7465	6802
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6461
15	Independent Hydro - Net	361	358	332	308	255	158	123	131	237	424	435	711	654	391	342
16	**Other Resources**	1084	1122	1104	1095	1079	1084	1067	1063	1102	1107	1090	1101	1124	1094	1093
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	316	321	187	178	190	417	179	171	193	200	200	211	215	201	222
24	Imports	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
25	Intra-Regional Transfers (In)	38.5	38.3	25.4	20.4	16.9	11.1	16.1	8.96	26.5	34.5	34.5	32.9	42.8	34.6	25.8
26	Non-Federal CER	122	133	132	127	132	132	127	130	133	132	132	127	132	127	130
27	Slice Transmission Loss Return	38.3	32.5	28.6	29.3	40.2	40.6	34.3	30.3	32.7	32.8	33.0	50.1	39.8	38.1	36.1
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-247	-215	-187	-193	-246	-249	-212	-193	-208	-211	-212	-312	-254	-247	-229
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-247	-215	-187	-193	-246	-249	-212	-193	-208	-211	-212	-312	-254	-247	-229
35	**Total Net Resources**	**8525**	**7403**	**6446**	**6644**	**8493**	**8565**	**7318**	**6644**	**7157**	**7274**	**7307**	**10750**	**8760**	**8514**	**7889**
36	**Total Surplus/Deficit**	**141**	**-743**	**-1035**	**-830**	**-165**	**-861**	**-1726**	**-1942**	**-988**	**-502**	**-478**	**2276**	**771**	**-28.8**	**-434**

Federal Report Surplus Deficit

Operating Year: 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Obligations															
1	**Non-Utility Obligation**	761	759	708	568	538	574	547	534	562	716	726	788	797	878	665
2	Federal Agencies	156	156	141	156	197	230	222	204	193	164	163	149	150	164	177
3	USBR Obligation	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
4	DSI Obligation	312	312	313	311	313	311	312	313	312	313	312	312	311	312	312
5	**Transfers Out**	7675	7379	6788	6922	8139	8876	8513	8068	7595	7099	7044	7535	6939	7637	7635
6	Load Following 2012 PSC	3409	3412	3098	2972	3440	3923	3852	3667	3240	3171	3138	3092	3239	3524	3384
7	Slice Block 2012 PSC	1624	1624	1693	1686	2087	2320	2356	2181	2029	1695	1695	1483	1380	1624	1845
8	Slice Right to Power 2012 PSC	2048	1744	1536	1572	2147	2166	1838	1625	1749	1755	1769	2501	1859	1994	1890
9	Exports	585	590	451	683	452	454	454	582	568	469	433	451	451	486	506
10	Intra-Regional Transfers (Out)	9.00	9.00	9.00	9.00	12.9	12.9	12.8	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
11	Federal Diversity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	**Total Firm Obligations**	**8436**	**8138**	**7496**	**7490**	**8676**	**9449**	**9060**	**8602**	**8158**	**7815**	**7769**	**8323**	**7735**	**8515**	**8300**
	Net Resources															
13	**Net Hydro**	7362	6165	5331	5564	7471	7312	6284	5603	6070	6178	6229	9749	7675	7465	6800
14	Regulated Hydro - Net	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6461
15	Independent Hydro - Net	351	348	321	308	255	158	123	131	237	424	435	711	654	391	340
16	**Other Resources**	1084	1122	1104	1095	1079	1084	1067	1063	1102	1107	1090	470	93.8	928	941
17	Cogeneration Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Large Thermal Resources	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
20	Renewable Resources	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.3
21	Small Hydro Resources	2.63	2.63	2.63	2.67	2.84	3.19	3.21	3.05	3.10	3.09	3.09	2.83	2.72	2.63	2.88
22	Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	**Contract Purchases**	326	321	187	178	190	417	179	171	193	200	190	213	210	200	222
24	Imports	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
25	Intra-Regional Transfers (In)	38.5	38.5	25.4	20.4	16.9	11.1	16.1	8.96	26.5	34.5	34.3	32.9	42.8	34.6	25.8
26	Non-Federal CER	132	133	132	127	132	132	127	130	133	132	122	132	132	127	130
27	Slice Transmission Loss Return	38.3	32.5	28.6	29.3	40.2	40.6	34.3	30.3	32.6	32.7	33.0	46.9	34.7	37.3	35.3
28	Augmentation Purchases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	**Reserves & Losses**	-247	-215	-187	-193	-246	-249	-212	-193	-208	-211	-212	-294	-225	-242	-225
30	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Transmission Losses	-247	-215	-187	-193	-246	-249	-212	-193	-208	-211	-212	-294	-225	-242	-225
35	**Total Net Resources**	**8525**	**7394**	**6435**	**6644**	**8493**	**8565**	**7318**	**6644**	**7157**	**7274**	**7297**	**10138**	**7754**	**8351**	**7739**
36	**Total Surplus/Deficit**	**89.4**	**-744**	**-1061**	**-846**	**-183**	**-885**	**-1742**	**-1958**	**-1001**	**-541**	**-472**	**1815**	**18.8**	**-164**	**-561**

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Exhibit 20
Regional Report Surplus Deficit

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

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

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

S104-WB-20130606-150434

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	21591	21611	20039	19492	21872	24006	24203	23078	21203	20293	20293	19687	21268	22674	21614
2	Federal Agency	125	125	114	119	140	162	159	148	143	125	125	116	116	131	133
3	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	Cooperative	1951	1953	1726	1642	1861	2136	2091	1992	1770	1734	1734	1753	1885	2082	1885
5	Municipality	2474	2476	2412	2580	3027	3176	3234	3126	2794	2669	2669	2478	2447	2499	2741
6	Public Utility District	4138	4141	3888	4086	4791	5258	5223	4977	4417	4245	4245	4005	4102	4281	4449
7	Investor-Owned Utility	11788	11803	10871	10179	11203	12394	12630	11971	11184	10443	10443	10178	11544	12428	11401
8	Marketer	380	380	328	345	378	406	411	404	396	389	389	389	398	409	386
9	Direct-Service Industry	443	443	444	441	445	440	442	444	442	443	443	442	440	443	442
10	**Exports**	1803	2022	1774	1704	1343	1310	1188	1311	1522	1620	1452	1394	1811	1833	1555
11	Canada	622	627	488	720	488	488	488	617	604	488	488	488	488	522	542
12	East Continental Divide	15.0	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	1143	1362	1261	952	828	790	671	666	896	1110	937	872	1294	1278	983
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**23393**	**23633**	**21812**	**21196**	**23215**	**25316**	**25392**	**24389**	**22725**	**21913**	**21746**	**21081**	**23079**	**24507**	**23169**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
	Resources															
1	**Hydro**	11509	10039	10341	9693	12386	12411	10895	9531	10459	11746	10887	16579	15291	13589	11953
2	Regulated Hydro - Net	10518	9051	9385	8787	11573	11559	10173	8752	9493	10438	9561	14981	13718	12462	10902
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	14946	15824	15423	15106	14853	15054	14537	14326	13975	15084	13438	11141	15697	15764	14626
5	Cogeneration Resources	2772	2771	2781	2745	2789	2870	2826	2834	2047	2789	2129	2244	2512	2735	2633
6	Combustion Turbine Resources	3611	3611	3413	3472	3513	3811	3790	3519	3489	3375	3324	1743	3399	3586	3390
7	Large Thermal Resources	6644	6644	6644	6644	6644	6644	6644	6644	6377	6018	5686	4495	6449	6644	6358
8	Renewable Resources	1548	2428	2291	2029	1733	1561	1118	1169	1867	2579	1967	2201	2848	2327	1954
9	Small Hydro	337	335	256	178	137	128	118	124	157	285	294	417	453	434	253
10	Small Thermal & Miscellaneous	33.9	34.0	37.7	37.9	36.6	39.7	41.0	35.7	38.7	38.1	37.9	41.1	36.4	36.8	37.8
11	**Imports**	944	944	762	728	1057	1441	1099	1079	851	716	716	735	879	962	938
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	293	293	270	267	303	350	345	342	308	268	268	266	291	316	302
14	Inland Southwest	493	492	453	425	423	455	428	442	414	395	395	441	552	609	461
15	Pacific Southwest	15.8	15.7	22.6	19.4	294	351	260	222	62.9	22.1	22.1	0.12	0	15.1	106

Loads and Resources - Pacific Northwest Region

Operating Year: 2014 Water Year: 1937

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

S104-WB-20130606-150434

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-773	-756	-748	-720	-798	-815	-748	-703	-713	-777	-706	-802	-899	-855	-776
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-773	-756	-748	-720	-798	-815	-748	-703	-713	-777	-706	-802	-899	-855	-776
23	**Total Resources**	**26626**	**26051**	**25778**	**24807**	**27499**	**28090**	**25783**	**24232**	**24572**	**26769**	**24335**	**27652**	**30969**	**29461**	**26740**
24	**Total Surplus/Deficit**	**3233**	**2417**	**3952**	**3612**	**4284**	**2775**	**388**	**-179**	**1792**	**4822**	**2556**	**6571**	**7891**	**4953**	**3560**

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

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

S104-WB-20130606-150434

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	22264	22108	20603	19990	22382	24549	24745	23596	21649	20711	20711	20102	21741	23183	22116
2	Federal Agency	126	125	115	120	142	164	162	151	146	127	127	118	119	127	135
3	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	Cooperative	2007	1992	1777	1699	1919	2189	2138	2037	1814	1774	1774	1791	1924	2125	1932
5	Municipality	2523	2500	2464	2606	3055	3203	3260	3154	2819	2694	2694	2503	2473	2524	2770
6	Public Utility District	4255	4228	4000	4136	4842	5312	5276	5032	4466	4295	4295	4053	4158	4338	4510
7	Investor-Owned Utility	12242	12143	11220	10497	11528	12757	12998	12313	11463	10698	10698	10435	11848	12769	11726
8	Marketer	382	381	330	347	380	408	412	405	398	391	391	391	399	410	388
9	Direct-Service Industry	443	443	444	485	488	484	485	488	486	486	486	486	484	487	479
10	**Exports**	1765	1953	1723	1679	1317	1283	1038	1169	1373	1504	1336	1321	1734	1710	1471
11	Canada	615	585	464	696	464	464	464	593	580	464	464	464	464	496	517
12	East Continental Divide	15.1	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	1112	1334	1235	952	827	787	545	549	771	1018	845	824	1241	1181	924
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**24029**	**24061**	**22326**	**21669**	**23699**	**25831**	**25783**	**24765**	**23022**	**22215**	**22047**	**21423**	**23475**	**24892**	**23586**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
	Resources															
1	**Hydro**	11794	10183	9275	9513	12209	12386	11583	9710	10458	11542	10798	15916	14546	12967	11741
2	Regulated Hydro - Net	10803	9195	8319	8606	11396	11535	10861	8930	9492	10235	9471	14319	12972	11840	10690
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	14968	15860	15424	15107	14892	15055	14536	14326	13939	15404	14096	10884	14507	15528	14529
5	Cogeneration Resources	2772	2771	2781	2745	2827	2870	2824	2834	2045	2782	2129	2153	2574	2768	2636
6	Combustion Turbine Resources	3611	3611	3413	3472	3513	3811	3790	3517	3488	3377	3326	1744	3398	3583	3390
7	Large Thermal Resources	6644	6644	6644	6644	6644	6644	6644	6644	6341	6342	6342	4326	5220	6378	6257
8	Renewable Resources	1571	2465	2292	2030	1734	1562	1118	1170	1868	2580	1968	2202	2825	2328	1956
9	Small Hydro	336	334	256	178	137	128	119	125	157	285	294	418	453	434	253
10	Small Thermal & Miscellaneous	33.9	34.0	37.7	37.9	36.6	39.7	41.0	35.7	38.7	38.1	37.9	41.1	36.4	36.8	37.8
11	**Imports**	961	959	776	738	1065	1447	1107	1086	857	723	723	742	890	970	947
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	297	295	273	269	305	352	347	344	310	270	270	267	293	318	304
14	Inland Southwest	506	506	464	432	427	461	433	447	420	400	400	447	561	620	468
15	Pacific Southwest	14.8	15.4	23.0	19.4	296	349	261	222	62.3	22.1	22.1	0.12	0	10.6	106

Loads and Resources - Pacific Northwest Region

Operating Year: 2015 Water Year: 1937

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

S104-WB-20130606-150434

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-782	-761	-718	-715	-794	-815	-768	-708	-712	-780	-722	-777	-844	-831	-767
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-782	-761	-718	-715	-794	-815	-768	-708	-712	-780	-722	-777	-844	-831	-767
23	**Total Resources**	**26941**	**26241**	**24757**	**24642**	**27372**	**28074**	**26458**	**24413**	**24541**	**26889**	**24895**	**26765**	**29099**	**28634**	**26449**
24	**Total Surplus/Deficit**	**2912**	**2180**	**2417**	**2973**	**3673**	**2242**	**672**	**-375**	**1465**	**4641**	**2814**	**5342**	**5624**	**3742**	**2852**

Loads and Resources - Pacific Northwest Region

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	22743	22583	21038	20392	22803	24988	25199	23827	22061	21098	21098	20496	22174	23644	22533
2	Federal Agency	123	122	111	122	145	168	163	148	146	128	128	119	119	128	135
3	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	Cooperative	2056	2040	1827	1739	1962	2228	2182	2024	1854	1815	1815	1832	1970	2176	1972
5	Municipality	2548	2525	2489	2644	3094	3240	3297	3144	2854	2732	2732	2540	2512	2562	2803
6	Public Utility District	4312	4284	4055	4188	4897	5368	5334	4986	4518	4338	4338	4103	4196	4385	4555
7	Investor-Owned Utility	12548	12447	11484	10722	11764	13014	13266	12564	11701	10917	10917	10653	12113	13048	11980
8	Marketer	383	383	331	348	382	409	414	412	399	392	392	392	401	412	390
9	Direct-Service Industry	487	487	488	529	532	527	529	531	530	530	530	529	527	530	522
10	**Exports**	1643	1831	1632	1594	1236	1166	1045	1177	1381	1512	1344	1271	1683	1682	1420
11	Canada	622	592	472	704	472	472	472	601	588	472	472	472	472	505	526
12	East Continental Divide	15.1	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	983	1206	1135	858	738	662	543	548	771	1018	845	766	1182	1145	865
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**24386**	**24414**	**22670**	**21986**	**24039**	**26154**	**26244**	**25004**	**23441**	**22610**	**22443**	**21767**	**23857**	**25326**	**23953**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15917	14546	12967	11749
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14320	12972	11840	10699
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1050
4	**Other Resources**	14963	15856	15385	15111	14886	15050	14534	14327	14234	13837	12343	11726	15886	15797	14621
5	Cogeneration Resources	2771	2770	2744	2751	2826	2869	2823	2834	2164	2415	2129	2256	2512	2767	2632
6	Combustion Turbine Resources	3607	3607	3413	3472	3509	3807	3789	3519	3489	3303	3252	1758	3399	3586	3385
7	Large Thermal Resources	6644	6644	6644	6644	6644	6644	6644	6644	6517	5215	4662	5063	6660	6644	6361
8	Renewable Resources	1571	2465	2292	2030	1734	1562	1118	1170	1868	2580	1968	2190	2825	2328	1953
9	Small Hydro	336	335	255	177	136	129	118	125	157	285	294	418	453	434	253
10	Small Thermal & Miscellaneous	33.9	34.0	37.7	37.9	36.6	39.7	41.0	35.7	38.7	38.1	37.9	41.1	36.4	36.8	37.8
11	**Imports**	965	963	771	735	986	1370	1031	1009	858	729	729	747	899	969	923
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	299	297	275	271	307	354	350	347	313	273	273	270	295	321	306
14	Inland Southwest	514	514	469	436	431	464	436	450	423	403	403	450	567	627	473
15	Pacific Southwest	9.98	10.3	11.0	11.1	211	267	179	139	57.5	22.2	22.2	0	0	0	75.4

Loads and Resources - Pacific Northwest Region

Operating Year: 2016 Water Year: 1937

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-782	-759	-723	-715	-792	-812	-766	-706	-721	-736	-673	-801	-884	-838	-770
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-782	-759	-723	-715	-792	-812	-766	-706	-721	-736	-673	-801	-884	-838	-770
23	**Total Resources**	**26957**	**26170**	**24906**	**24644**	**27290**	**27995**	**26383**	**24339**	**24829**	**25372**	**23197**	**27590**	**30447**	**28894**	**26522**
24	**Total Surplus/Deficit**	**2571**	**1757**	**2221**	**2658**	**3251**	**1841**	**135**	**-689**	**1333**	**2728**	**720**	**5823**	**6590**	**3568**	**2559**

Loads and Resources - Pacific Northwest Region

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	23107	23128	21435	20706	23133	25353	25578	24347	22373	21490	21335	20844	22578	24079	22910
2	Federal Agency	123	123	111	123	146	169	191	177	169	148	147	136	137	148	148
3	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
4	Cooperative	2099	2101	1877	1784	2009	2276	2214	2100	1874	1860	1844	1904	2042	2251	2024
5	Municipality	2574	2576	2526	2666	3119	3264	3319	3216	2876	2769	2741	2562	2536	2585	2831
6	Public Utility District	4342	4345	4090	4230	4934	5416	5381	5112	4559	4398	4362	4144	4242	4433	4603
7	Investor-Owned Utility	12762	12778	11711	10924	11982	13256	13515	12784	11906	11150	11066	10848	12357	13317	12206
8	Marketer	385	385	333	350	383	411	416	409	401	394	393	394	402	414	391
9	Direct-Service Industry	531	530	532	529	532	527	529	531	530	531	530	529	527	530	530
10	**Exports**	1583	1802	1594	1545	1209	1142	1022	1157	1354	1492	1287	1230	1639	1638	1386
11	Canada	600	604	468	700	468	468	468	597	584	486	449	468	468	500	521
12	East Continental Divide	15.0	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.4	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	945	1164	1102	814	715	643	525	533	748	984	811	729	1143	1105	835
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**24689**	**24930**	**23029**	**22251**	**24341**	**26495**	**26600**	**25504**	**23726**	**22982**	**22622**	**22074**	**24217**	**25717**	**24295**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15917	14546	12967	11754
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14320	12972	11840	10703
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	14969	15860	15420	15115	14853	15054	14537	14331	13798	14620	12995	11019	14645	15596	14466
5	Cogeneration Resources	2772	2771	2781	2745	2789	2870	2826	2834	2047	2789	2129	2300	2475	2735	2635
6	Combustion Turbine Resources	3611	3611	3410	3482	3513	3811	3790	3519	3489	3377	3326	1778	3399	3584	3393
7	Large Thermal Resources	6644	6644	6644	6644	6644	6644	6644	6644	6199	5553	5241	4288	5419	6478	6189
8	Renewable Resources	1571	2465	2292	2030	1734	1562	1118	1170	1868	2580	1968	2195	2860	2328	1958
9	Small Hydro	337	335	255	177	136	128	118	125	157	285	294	418	453	434	253
10	Small Thermal & Miscellaneous	33.9	34.0	37.7	37.9	36.6	39.7	39.9	38.9	37.6	37.0	36.8	40.0	38.0	36.0	37.8
11	**Imports**	962	962	766	729	962	1348	1006	986	836	719	716	752	907	977	913
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	301	301	278	273	309	356	352	349	315	275	274	271	297	323	308
14	Inland Southwest	520	519	473	439	433	467	439	453	426	406	406	453	574	633	476
15	Pacific Southwest	0	0	0	0	182	239	149	111	30.0	6.93	6.40	0	0	0	59.6

Loads and Resources - Pacific Northwest Region

Operating Year: 2017 Water Year: 1937

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-782	-760	-724	-715	-790	-812	-765	-706	-708	-758	-691	-781	-849	-833	-765
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-782	-760	-724	-715	-790	-812	-765	-706	-708	-758	-691	-781	-849	-833	-765
23	**Total Resources**	**26959**	**26174**	**24934**	**24642**	**27234**	**27977**	**26361**	**24320**	**24383**	**26124**	**23818**	**26908**	**29248**	**28707**	**26368**
24	**Total Surplus/Deficit**	**2270**	**1244**	**1891**	**2391**	**2893**	**1482**	**-242**	**-1207**	**603**	**3108**	**1162**	**4834**	**5031**	**2990**	**2062**

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	23512	23534	21755	20949	23393	25677	25922	24676	22673	21628	21785	21144	22922	24456	23230
2	Federal Agency	142	142	129	142	171	199	204	189	179	156	157	144	145	157	163
3	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	251	240	327	335	402	176
4	Cooperative	2150	2152	1894	1766	1985	2292	2258	2142	1913	1886	1903	1950	2092	2307	2054
5	Municipality	2597	2600	2549	2688	3142	3286	3342	3240	2897	2763	2791	2584	2559	2607	2854
6	Public Utility District	4390	4392	4135	4280	4988	5470	5437	5168	4610	4413	4449	4194	4292	4484	4655
7	Investor-Owned Utility	13025	13042	11928	11094	12163	13456	13722	12978	12083	11234	11319	11021	12569	13554	12406
8	Marketer	386	386	334	351	384	412	417	410	402	394	395	395	403	415	392
9	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	531	529	527	530	530
10	**Exports**	1526	1746	1549	1518	1192	1128	1008	1143	1337	1438	1308	1214	1593	1591	1358
11	Canada	602	606	469	701	469	469	469	598	586	451	488	469	469	502	523
12	East Continental Divide	15.0	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.4	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	887	1106	1054	784	697	627	509	517	729	965	792	711	1094	1056	806
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**25038**	**25279**	**23304**	**22467**	**24585**	**26805**	**26930**	**25819**	**24010**	**23065**	**23093**	**22358**	**24515**	**26047**	**24588**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15917	14546	12967	11754
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14320	12972	11840	10703
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	14968	15860	15423	15105	14890	15054	14535	14331	14174	15589	13976	11506	15682	15797	14724
5	Cogeneration Resources	2772	2771	2781	2745	2827	2870	2824	2834	2045	2782	2129	2248	2515	2768	2639
6	Combustion Turbine Resources	3611	3611	3413	3472	3513	3811	3790	3519	3489	3377	3326	1742	3399	3586	3390
7	Large Thermal Resources	6644	6644	6644	6644	6644	6644	6644	6644	6577	6528	6222	4854	6451	6644	6449
8	Renewable Resources	1571	2465	2292	2030	1734	1562	1118	1170	1868	2580	1968	2204	2825	2328	1956
9	Small Hydro	337	335	255	177	136	128	118	125	157	285	294	418	453	434	253
10	Small Thermal & Miscellaneous	33.2	33.3	37.1	38.1	35.5	39.4	39.9	38.9	37.6	37.0	36.8	40.0	38.0	36.0	37.5
11	**Imports**	970	969	771	733	966	1352	1011	990	840	721	723	757	915	986	918
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	302	302	279	274	311	358	354	351	316	275	277	273	299	325	310
14	Inland Southwest	525	525	476	442	435	469	441	455	429	408	409	456	580	640	480
15	Pacific Southwest	0	0	0	0	182	239	149	111	30.0	6.40	6.93	0	0	0	59.6

Loads and Resources - Pacific Northwest Region

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-782	-760	-724	-715	-791	-812	-765	-706	-718	-785	-719	-795	-878	-839	-773
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-782	-760	-724	-715	-791	-812	-765	-706	-718	-785	-719	-795	-878	-839	-773
23	**Total Resources**	**26966**	**26180**	**24941**	**24637**	**27274**	**27980**	**26363**	**24325**	**24753**	**27067**	**24778**	**27385**	**30264**	**28911**	**26623**
24	**Total Surplus/Deficit**	**1928**	**901**	**1623**	**2170**	**2688**	**1176**	**-570**	**-1517**	**689**	**3967**	**1652**	**5027**	**5749**	**2863**	**2025**

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	23885	23907	22072	21222	23683	25994	26239	24983	22960	21986	21986	21424	23255	24817	23541
2	Federal Agency	151	151	138	151	183	212	216	199	189	165	165	152	153	165	173
3	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	Cooperative	2205	2207	1941	1803	2024	2337	2302	2185	1952	1937	1937	1996	2143	2363	2099
5	Municipality	2619	2622	2571	2710	3165	3309	3363	3264	2919	2799	2799	2606	2581	2629	2876
6	Public Utility District	4441	4444	4185	4328	5039	5525	5490	5223	4659	4480	4480	4241	4343	4537	4706
7	Investor-Owned Utility	13258	13275	12116	11248	12327	13637	13907	13153	12250	11433	11433	11177	12769	13774	12588
8	Marketer	387	387	335	352	386	414	418	411	403	396	396	396	405	416	393
9	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
10	**Exports**	1502	1721	1513	1498	1187	1123	1003	1144	1354	1480	1313	1236	1624	1614	1360
11	Canada	596	601	464	696	464	464	464	593	580	464	464	464	464	497	518
12	East Continental Divide	15.0	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	867	1087	1025	770	697	627	509	524	752	994	822	738	1131	1085	813
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**25386**	**25628**	**23585**	**22720**	**24870**	**27117**	**27241**	**26127**	**24314**	**23466**	**23299**	**22660**	**24879**	**26431**	**24901**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15915	14546	12967	11754
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14317	12972	11840	10703
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	14967	15859	15385	15111	14889	15053	14537	14333	14099	14462	13176	11080	14802	15694	14519
5	Cogeneration Resources	2771	2770	2744	2751	2826	2869	2825	2833	2164	2415	2129	2203	2461	2767	2623
6	Combustion Turbine Resources	3611	3611	3413	3472	3513	3811	3790	3519	3487	3303	3252	2040	3399	3586	3409
7	Large Thermal Resources	6644	6644	6644	6644	6644	6644	6644	6644	6383	5849	5499	4179	5630	6544	6241
8	Renewable Resources	1571	2465	2292	2029	1734	1562	1118	1170	1868	2580	1968	2202	2837	2328	1957
9	Small Hydro	337	335	255	177	136	128	119	128	161	279	292	416	437	433	252
10	Small Thermal & Miscellaneous	33.2	33.3	37.1	38.1	35.5	39.4	39.9	38.9	37.6	37.0	36.8	40.0	38.0	36.0	37.5
11	**Imports**	977	977	776	738	946	1326	985	965	815	719	719	761	923	994	911
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	304	304	281	276	313	360	355	353	318	278	278	275	300	326	311
14	Inland Southwest	531	531	479	445	438	472	444	458	432	411	411	459	586	647	484
15	Pacific Southwest	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-783	-760	-723	-715	-791	-811	-764	-705	-715	-754	-696	-783	-854	-836	-767
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-783	-760	-723	-715	-791	-811	-764	-705	-715	-754	-696	-783	-854	-836	-767
23	**Total Resources**	**26972**	**26186**	**24909**	**24647**	**27253**	**27955**	**26340**	**24302**	**24656**	**25970**	**23997**	**26973**	**29417**	**28819**	**26417**
24	**Total Surplus/Deficit**	**1586**	**558**	**1310**	**1927**	**2383**	**838**	**-905**	**-1848**	**288**	**2471**	**665**	**4313**	**4538**	**2388**	**1505**

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	24240	24263	22372	21496	23973	26318	26552	25087	23242	22262	22262	21703	23585	25175	23837
2	Federal Agency	159	159	145	159	193	224	223	200	194	170	170	156	157	170	179
3	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	Cooperative	2261	2263	1988	1844	2065	2385	2343	2165	1990	1978	1978	2041	2192	2418	2140
5	Municipality	2641	2644	2594	2732	3188	3332	3385	3235	2940	2821	2821	2627	2603	2651	2895
6	Public Utility District	4492	4495	4234	4376	5090	5577	5543	5192	4707	4529	4529	4290	4393	4589	4751
7	Investor-Owned Utility	13476	13493	12290	11404	12490	13825	14096	13334	12420	11592	11592	11336	12972	13998	12772
8	Marketer	388	388	336	353	387	415	420	412	405	397	397	397	406	418	394
9	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
10	**Exports**	1535	1743	1529	1510	1196	1126	1011	1139	1349	1475	1308	1231	1618	1609	1363
11	Canada	591	596	459	691	459	459	459	588	575	459	459	459	459	491	513
12	East Continental Divide	15.0	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	906	1113	1046	787	711	636	522	524	752	994	822	738	1130	1085	821
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**25775**	**26005**	**23901**	**23005**	**25169**	**27444**	**27563**	**26226**	**24591**	**23738**	**23570**	**22934**	**25203**	**26784**	**25200**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15916	14546	12967	11748
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14318	12972	11840	10698
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1050
4	**Other Resources**	14968	15858	15418	15103	14851	15052	14538	14330	14144	14877	13034	11428	15687	15763	14639
5	Cogeneration Resources	2772	2771	2781	2744	2789	2869	2828	2834	2047	2788	2129	2290	2506	2735	2637
6	Combustion Turbine Resources	3611	3611	3413	3472	3513	3809	3789	3519	3489	3300	3249	1972	3399	3585	3403
7	Large Thermal Resources	6644	6644	6644	6644	6644	6644	6644	6644	6545	5886	5357	4495	6449	6644	6354
8	Renewable Resources	1571	2465	2292	2030	1734	1562	1118	1170	1868	2580	1968	2213	2841	2328	1956
9	Small Hydro	337	333	251	174	135	128	118	125	157	285	294	418	453	434	252
10	Small Thermal & Miscellaneous	33.2	33.3	37.1	38.1	35.5	39.4	39.9	38.9	37.6	37.0	36.8	40.0	38.0	36.0	37.5
11	**Imports**	984	984	780	743	950	1331	989	969	819	724	724	766	931	1003	916
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	306	306	283	278	315	362	357	355	320	280	280	276	302	328	313
14	Inland Southwest	536	536	482	448	440	474	446	461	434	414	414	462	592	654	487
15	Pacific Southwest	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.2

Loads and Resources - Pacific Northwest Region

Operating Year: 2020 Water Year: 1937

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

S104-WB-20130606-150434

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-783	-760	-724	-715	-790	-811	-764	-705	-717	-765	-692	-793	-879	-838	-770
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-783	-760	-724	-715	-790	-811	-764	-705	-717	-765	-692	-793	-879	-838	-770
23	**Total Resources**	**26980**	**26193**	**24946**	**24643**	**27220**	**27958**	**26345**	**24304**	**24704**	**26378**	**23864**	**27317**	**30285**	**28895**	**26534**
24	**Total Surplus/Deficit**	**1204**	**187**	**1030**	**1638**	**2051**	**514**	**-1221**	**-1946**	**57.7**	**2606**	**260**	**4383**	**5082**	**2111**	**1324**

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	24694	24520	22673	21767	24258	26630	26871	25596	23532	22544	22544	21990	23924	25541	24158
2	Federal Agency	164	163	149	164	200	232	227	209	198	173	173	159	160	173	184
3	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	Cooperative	2325	2308	2034	1882	2104	2428	2391	2272	2034	2027	2027	2094	2250	2482	2193
5	Municipality	2677	2652	2615	2752	3209	3353	3405	3309	2959	2840	2840	2646	2623	2670	2918
6	Public Utility District	4560	4530	4283	4424	5140	5631	5597	5332	4755	4578	4578	4338	4445	4642	4807
7	Investor-Owned Utility	13761	13651	12469	11563	12658	14010	14288	13513	12592	11753	11753	11498	13176	14223	12954
8	Marketer	390	389	337	354	388	416	421	414	406	398	398	398	407	419	396
9	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
10	**Exports**	1548	1722	1524	1505	1191	1121	1006	1134	1344	1470	1303	1226	1613	1604	1359
11	Canada	604	574	454	686	454	454	454	583	570	454	454	454	454	486	508
12	East Continental Divide	15.1	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	906	1114	1046	787	711	636	522	524	752	994	822	738	1130	1085	822
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**26242**	**26241**	**24197**	**23272**	**25449**	**27751**	**27876**	**26730**	**24876**	**24015**	**23847**	**23215**	**25537**	**27145**	**25517**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15915	14546	12967	11754
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14318	12972	11840	10703
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	14968	15859	15421	15105	14889	14426	13375	13170	12818	14353	12849	10949	13502	14404	13926
5	Cogeneration Resources	2772	2771	2781	2744	2827	2869	2826	2834	2045	2782	2129	2288	2515	2768	2642
6	Combustion Turbine Resources	3611	3611	3412	3472	3512	3809	3788	3518	3488	3301	3250	2006	3398	3586	3405
7	Large Thermal Resources	6644	6644	6644	6644	6644	6018	5484	5484	5223	5368	5171	3984	4261	5251	5630
8	Renewable Resources	1571	2465	2292	2030	1734	1562	1118	1170	1868	2580	1968	2213	2837	2328	1958
9	Small Hydro	337	335	255	177	136	128	118	125	157	285	294	418	453	434	253
10	Small Thermal & Miscellaneous	33.2	33.3	37.1	38.1	35.5	39.4	39.9	38.9	37.6	37.0	36.8	40.0	38.0	36.0	37.5
11	**Imports**	993	991	785	747	954	1335	993	974	823	728	728	770	939	1012	921
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	309	307	284	279	316	363	359	357	322	281	281	278	304	330	315
14	Inland Southwest	542	542	485	451	442	477	449	463	437	417	417	465	598	661	491
15	Pacific Southwest	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1

Loads and Resources - Pacific Northwest Region

Operating Year: 2021 Water Year: 1937

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-783	-760	-724	-715	-791	-794	-732	-673	-680	-751	-687	-779	-817	-800	-750
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-783	-760	-724	-715	-791	-794	-732	-673	-680	-751	-687	-779	-817	-800	-750
23	**Total Resources**	**26988**	**26201**	**24954**	**24649**	**27261**	**27353**	**25219**	**23180**	**23420**	**25873**	**23688**	**26855**	**28169**	**27582**	**25851**
24	**Total Surplus/Deficit**	**746**	**-40.8**	**742**	**1377**	**1812**	**-398**	**-2661**	**-3573**	**-1511**	**1824**	**-194**	**3640**	**2632**	**437**	**324**

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	24839	25084	22984	22045	24549	26946	27166	25885	23804	22806	22806	22252	24235	25880	24457
2	Federal Agency	166	168	152	167	203	236	228	210	199	174	174	160	161	174	186
3	USBR	298	285	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
4	Cooperative	2367	2390	2090	1931	2154	2483	2425	2305	2064	2057	2057	2125	2282	2516	2235
5	Municipality	2666	2700	2635	2772	3229	3373	3424	3330	2978	2860	2860	2665	2643	2690	2938
6	Public Utility District	4575	4616	4332	4469	5188	5681	5647	5384	4802	4626	4626	4386	4496	4694	4856
7	Investor-Owned Utility	13848	14003	12650	11722	12825	14194	14477	13693	12766	11914	11914	11661	13382	14453	13139
8	Marketer	390	391	338	355	389	417	422	415	407	399	399	399	408	420	397
9	Direct-Service Industry	530	531	532	529	532	527	529	531	530	530	530	529	527	530	530
10	**Exports**	1462	1705	1475	1459	1139	1068	951	1081	1299	1425	1257	1185	1566	1552	1310
11	Canada	563	603	449	681	449	449	449	578	565	449	449	449	449	482	503
12	East Continental Divide	15.0	15.1	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.3	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	861	1068	1001	746	664	587	472	475	711	953	780	703	1088	1037	778
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**26301**	**26790**	**24459**	**23504**	**25687**	**28014**	**28117**	**26965**	**25103**	**24230**	**24063**	**23438**	**25801**	**27432**	**25767**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15916	14546	12967	11754
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14318	12972	11840	10703
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	13806	14698	14225	13951	13729	13893	13376	13170	13131	13169	11632	11685	14688	14636	13598
5	Cogeneration Resources	2771	2770	2743	2751	2826	2868	2825	2833	2164	2415	2129	2200	2461	2767	2622
6	Combustion Turbine Resources	3610	3610	3413	3471	3513	3811	3790	3519	3487	3303	3252	1989	3399	3586	3405
7	Large Thermal Resources	5484	5484	5484	5484	5484	5484	5484	5484	5417	4549	3953	4837	5500	5484	5324
8	Renewable Resources	1571	2465	2292	2030	1734	1562	1118	1170	1868	2580	1968	2202	2837	2328	1957
9	Small Hydro	337	335	255	177	136	128	118	125	157	285	294	418	453	434	253
10	Small Thermal & Miscellaneous	33.2	33.3	37.1	38.1	35.5	39.4	39.9	38.9	37.6	37.0	36.8	40.0	38.0	36.0	37.5
11	**Imports**	998	1000	790	752	958	1339	998	978	828	732	732	775	947	1020	927
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	308	310	286	281	318	365	361	359	323	283	283	279	306	332	317
14	Inland Southwest	548	548	488	454	445	480	451	466	440	419	419	468	605	667	494
15	Pacific Southwest	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1

Loads and Resources - Pacific Northwest Region

Operating Year: 2022 Water Year: 1937

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-751	-728	-691	-683	-758	-779	-732	-673	-689	-718	-653	-800	-851	-807	-741
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-751	-728	-691	-683	-758	-779	-732	-673	-689	-718	-653	-800	-851	-807	-741
23	**Total Resources**	**25864**	**25081**	**23795**	**23532**	**26137**	**26840**	**25224**	**23185**	**23728**	**24727**	**22510**	**27575**	**29329**	**27816**	**25537**
24	**Total Surplus/Deficit**	**-438**	**-1709**	**-678**	**28.0**	**450**	**-1174**	**-2896**	**-3804**	**-1430**	**463**	**-1587**	**4137**	**3528**	**384**	**-240**

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Operating Year: 2023 Water Year: 1937

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Firm Loads															
1	**Regional Firm Loads**	25284	25308	23268	22302	24821	27241	27461	26170	24074	23148	22981	22515	24543	26217	24745
2	Federal Agency	168	168	153	168	205	238	230	212	200	175	174	161	162	175	187
3	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
4	Cooperative	2411	2413	2121	1960	2184	2518	2452	2331	2089	2091	2073	2150	2309	2544	2263
5	Municipality	2702	2705	2655	2791	3250	3394	3444	3351	2998	2894	2865	2684	2662	2709	2958
6	Public Utility District	4647	4650	4383	4519	5241	5736	5702	5440	4853	4696	4659	4436	4549	4749	4909
7	Investor-Owned Utility	14142	14160	12832	11880	12992	14377	14667	13872	12938	12121	12029	11827	13589	14685	13324
8	Marketer	392	392	339	356	390	419	424	416	408	401	400	400	409	421	398
9	Direct-Service Industry	531	530	532	529	532	527	529	531	530	531	530	529	527	530	530
10	**Exports**	1476	1683	1471	1454	1134	1046	927	1063	1259	1392	1191	1136	1504	1499	1282
11	Canada	577	581	445	677	445	445	445	574	561	462	427	445	445	477	498
12	East Continental Divide	15.0	15.0	13.1	13.2	14.3	16.0	15.8	15.5	14.0	13.4	13.3	12.9	13.4	15.7	14.4
13	Inland Southwest	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
14	Pacific Southwest	862	1068	1001	746	664	570	452	462	676	907	737	658	1030	989	754
15	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	**Federal Diversity**	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	**Total Firm Loads**	**26760**	**26991**	**24738**	**23757**	**25955**	**28287**	**28388**	**27233**	**25334**	**24540**	**24172**	**23651**	**26047**	**27716**	**26027**
	Non-Firm Loads															
1	**Regional Non-Firm Loads**	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
2	Federal Agency	0	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	0
4	Cooperative	0	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	0
6	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
7	Investor-Owned Utility	0	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	0
9	Marketer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.9**	**33.7**	**0**	**0**	**0**	**10.7**
	Resources															
1	**Hydro**	11810	10111	9472	9513	12209	12386	11583	9710	10458	11542	10798	15915	14546	12967	11754
2	Regulated Hydro - Net	10819	9123	8515	8606	11396	11535	10861	8930	9492	10235	9471	14318	12972	11840	10703
3	Independent Hydro - Net	991	988	957	906	813	851	722	779	966	1307	1327	1598	1574	1127	1051
4	**Other Resources**	13808	14700	14262	13945	13692	13894	13379	13170	12758	13254	11734	10934	13522	14438	13397
5	Cogeneration Resources	2772	2771	2781	2744	2789	2869	2828	2834	2047	2788	2129	2256	2536	2735	2636
6	Combustion Turbine Resources	3611	3611	3413	3472	3513	3811	3790	3519	3487	3303	3252	2053	3399	3586	3410
7	Large Thermal Resources	5484	5484	5484	5484	5484	5484	5484	5484	5162	4261	4054	3965	4259	5318	5104
8	Renewable Resources	1571	2465	2292	2029	1734	1562	1118	1170	1868	2580	1968	2202	2837	2328	1957
9	Small Hydro	337	335	255	177	136	128	118	125	157	285	294	418	453	434	253
10	Small Thermal & Miscellaneous	33.2	33.3	37.1	38.1	35.5	39.4	39.9	38.9	37.6	37.0	36.8	40.0	38.0	36.0	37.5
11	**Imports**	1007	1007	795	756	962	1344	1002	983	832	738	736	779	955	1029	932
12	Canada	142	142	16.0	17.3	37.5	285	66.4	72.6	64.8	30.6	30.6	27.5	36.5	21.5	68.5
13	East of Continental Divide	311	311	288	282	320	367	363	361	325	285	284	281	307	333	318
14	Inland Southwest	554	554	491	457	447	483	453	468	443	422	422	471	611	674	498
15	Pacific Southwest	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1

Loads and Resources - Pacific Northwest Region

Operating Year: 2023 Water Year: 1937

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

S104-WB-20130606-150434

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
16	Other	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	**Reserves & Losses**	-751	-728	-692	-683	-758	-779	-732	-673	-678	-720	-656	-779	-818	-802	-736
18	Contingency Reserves (Non-Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Contingency Reserves (Spinning)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Generation Imbalance Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Load Following Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Transmission Losses	-751	-728	-692	-683	-758	-779	-732	-673	-678	-720	-656	-779	-818	-802	-736
23	**Total Resources**	**25874**	**25089**	**23837**	**23531**	**26106**	**26845**	**25231**	**23190**	**23370**	**24814**	**22611**	**26849**	**28203**	**27632**	**25348**
24	**Total Surplus/Deficit**	**-886**	**-1903**	**-916**	**-226**	**150**	**-1442**	**-3160**	**-4067**	**-2018**	**240**	**-1594**	**3198**	**2156**	**-83.7**	**-690**

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Exhibit 21
Table A-1: Regional Total Retail Loads

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

Table A-1: Regional: Total Retail Loads

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	125	125	114	119	140	162	159	148	143	125	125	116	116	131	133
2	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
3	Cooperative	1951	1953	1726	1642	1861	2136	2091	1992	1770	1734	1734	1753	1885	2082	1885
4	Municipality	2474	2476	2412	2580	3027	3176	3234	3126	2794	2669	2669	2478	2447	2499	2741
5	Public Utility District	4138	4141	3888	4086	4791	5258	5223	4977	4417	4245	4245	4005	4102	4281	4449
6	Investor-Owned Utility	11788	11803	10871	10179	11203	12394	12630	11971	11184	10443	10443	10178	11544	12428	11401
7	Marketer	380	380	328	345	378	406	411	404	396	389	389	389	398	409	386
8	Direct-Service Industry	443	443	444	441	445	440	442	444	442	443	443	442	440	443	442
9	**Total Firm Loads**	**21591**	**21611**	**20039**	**19492**	**21872**	**24006**	**24203**	**23078**	**21203**	**20293**	**20293**	**19687**	**21268**	**22674**	**21614**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	125	125	114	119	140	162	159	148	143	125	125	116	116	131	133
13	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
14	Cooperative	1951	1953	1726	1642	1861	2136	2091	1992	1770	1734	1734	1753	1885	2082	1885
15	Municipality	2474	2476	2412	2580	3027	3176	3234	3126	2794	2669	2669	2478	2447	2499	2741
16	Public Utility District	4138	4141	3903	4086	4791	5258	5226	5000	4471	4279	4279	4005	4102	4281	4459
17	Investor-Owned Utility	11788	11803	10871	10179	11203	12394	12630	11971	11184	10443	10443	10178	11544	12428	11401
18	Marketer	380	380	328	345	378	406	411	404	396	389	389	389	398	409	386
19	Direct-Service Industry	443	443	444	441	445	440	442	444	442	443	443	442	440	443	442
20	**Total Loads**	**21591**	**21611**	**20053**	**19492**	**21872**	**24006**	**24207**	**23101**	**21257**	**20327**	**20327**	**19687**	**21268**	**22674**	**21625**

Table A-1: Regional: Total Retail Loads

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	126	125	115	120	142	164	162	151	146	127	127	118	119	127	135
2	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
3	Cooperative	2007	1992	1777	1699	1919	2189	2138	2037	1814	1774	1774	1791	1924	2125	1932
4	Municipality	2523	2500	2464	2606	3055	3203	3260	3154	2819	2694	2694	2503	2473	2524	2770
5	Public Utility District	4255	4228	4000	4136	4842	5312	5276	5032	4466	4295	4295	4053	4158	4338	4510
6	Investor-Owned Utility	12242	12143	11220	10497	11528	12757	12998	12313	11463	10698	10698	10435	11848	12769	11726
7	Marketer	382	381	330	347	380	408	412	405	398	391	391	391	399	410	388
8	Direct-Service Industry	443	443	444	485	488	484	485	488	486	486	486	486	484	487	479
9	**Total Firm Loads**	**22264**	**22108**	**20603**	**19990**	**22382**	**24549**	**24745**	**23596**	**21649**	**20711**	**20711**	**20102**	**21741**	**23183**	**22116**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	126	125	115	120	142	164	162	151	146	127	127	118	119	127	135
13	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
14	Cooperative	2007	1992	1777	1699	1919	2189	2138	2037	1814	1774	1774	1791	1924	2125	1932
15	Municipality	2523	2500	2464	2606	3055	3203	3260	3154	2819	2694	2694	2503	2473	2524	2770
16	Public Utility District	4255	4228	4014	4136	4842	5312	5280	5055	4520	4328	4328	4053	4158	4338	4521
17	Investor-Owned Utility	12242	12143	11220	10497	11528	12757	12998	12313	11463	10698	10698	10435	11848	12769	11726
18	Marketer	382	381	330	347	380	408	412	405	398	391	391	391	399	410	388
19	Direct-Service Industry	443	443	444	485	488	484	485	488	486	486	486	486	484	487	479
20	**Total Loads**	**22264**	**22108**	**20617**	**19990**	**22382**	**24549**	**24749**	**23619**	**21703**	**20745**	**20745**	**20102**	**21741**	**23183**	**22126**

Table A-1: Regional: Total Retail Loads

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	123	122	111	122	145	168	163	148	146	128	128	119	119	128	135
2	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
3	Cooperative	2056	2040	1827	1739	1962	2228	2182	2024	1854	1815	1815	1832	1970	2176	1972
4	Municipality	2548	2525	2489	2644	3094	3240	3297	3144	2854	2732	2732	2540	2512	2562	2803
5	Public Utility District	4312	4284	4055	4188	4897	5368	5334	4986	4518	4338	4338	4103	4196	4385	4555
6	Investor-Owned Utility	12548	12447	11484	10722	11764	13014	13266	12564	11701	10917	10917	10653	12113	13048	11980
7	Marketer	383	383	331	348	382	409	414	412	399	392	392	392	401	412	390
8	Direct-Service Industry	487	487	488	529	532	527	529	531	530	530	530	529	527	530	522
9	**Total Firm Loads**	**22743**	**22583**	**21038**	**20392**	**22803**	**24988**	**25199**	**23827**	**22061**	**21098**	**21098**	**20496**	**22174**	**23644**	**22533**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	123	122	111	122	145	168	163	148	146	128	128	119	119	128	135
13	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
14	Cooperative	2056	2040	1827	1739	1962	2228	2182	2024	1854	1815	1815	1832	1970	2176	1972
15	Municipality	2548	2525	2489	2644	3094	3240	3297	3144	2854	2732	2732	2540	2512	2562	2803
16	Public Utility District	4312	4284	4069	4188	4897	5368	5338	5010	4572	4372	4372	4103	4196	4385	4566
17	Investor-Owned Utility	12548	12447	11484	10722	11764	13014	13266	12564	11701	10917	10917	10653	12113	13048	11980
18	Marketer	383	383	331	348	382	409	414	412	399	392	392	392	401	412	390
19	Direct-Service Industry	487	487	488	529	532	527	529	531	530	530	530	529	527	530	522
20	**Total Loads**	**22743**	**22583**	**21053**	**20392**	**22803**	**24988**	**25203**	**23851**	**22115**	**21132**	**21132**	**20496**	**22174**	**23644**	**22544**

Table A-1: Regional: Total Retail Loads

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	123	123	111	123	146	169	191	177	169	148	147	136	137	148	148
2	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
3	Cooperative	2099	2101	1877	1784	2009	2276	2214	2100	1874	1860	1844	1904	2042	2251	2024
4	Municipality	2574	2576	2526	2666	3119	3264	3319	3216	2876	2769	2741	2562	2536	2585	2831
5	Public Utility District	4342	4345	4090	4230	4934	5416	5381	5112	4559	4398	4362	4144	4242	4433	4603
6	Investor-Owned Utility	12762	12778	11711	10924	11982	13256	13515	12784	11906	11150	11066	10848	12357	13317	12206
7	Marketer	385	385	333	350	383	411	416	409	401	394	393	394	402	414	391
8	Direct-Service Industry	531	530	532	529	532	527	529	531	530	531	530	529	527	530	530
9	**Total Firm Loads**	**23107**	**23128**	**21435**	**20706**	**23133**	**25353**	**25578**	**24347**	**22373**	**21490**	**21335**	**20844**	**22578**	**24079**	**22910**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	123	123	111	123	146	169	191	177	169	148	147	136	137	148	148
13	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
14	Cooperative	2099	2101	1877	1784	2009	2276	2214	2100	1874	1860	1844	1904	2042	2251	2024
15	Municipality	2574	2576	2526	2666	3119	3264	3319	3216	2876	2769	2741	2562	2536	2585	2831
16	Public Utility District	4342	4345	4104	4230	4934	5416	5385	5135	4614	4432	4396	4144	4242	4433	4614
17	Investor-Owned Utility	12762	12778	11711	10924	11982	13256	13515	12784	11906	11150	11066	10848	12357	13317	12206
18	Marketer	385	385	333	350	383	411	416	409	401	394	393	394	402	414	391
19	Direct-Service Industry	531	530	532	529	532	527	529	531	530	531	530	529	527	530	530
20	**Total Loads**	**23107**	**23128**	**21449**	**20706**	**23133**	**25353**	**25582**	**24370**	**22427**	**21523**	**21369**	**20844**	**22578**	**24079**	**22920**

Table A-1: Regional: Total Retail Loads

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	142	142	129	142	171	199	204	189	179	156	157	144	145	157	163
2	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	251	240	327	335	402	176
3	Cooperative	2150	2152	1894	1766	1985	2292	2258	2142	1913	1886	1903	1950	2092	2307	2054
4	Municipality	2597	2600	2549	2688	3142	3286	3342	3240	2897	2763	2791	2584	2559	2607	2854
5	Public Utility District	4390	4392	4135	4280	4988	5470	5437	5168	4610	4413	4449	4194	4292	4484	4655
6	Investor-Owned Utility	13025	13042	11928	11094	12163	13456	13722	12978	12083	11234	11319	11021	12569	13554	12406
7	Marketer	386	386	334	351	384	412	417	410	402	394	395	395	403	415	392
8	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	531	529	527	530	530
9	**Total Firm Loads**	**23512**	**23534**	**21755**	**20949**	**23393**	**25677**	**25922**	**24676**	**22673**	**21628**	**21785**	**21144**	**22922**	**24456**	**23230**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	142	142	129	142	171	199	204	189	179	156	157	144	145	157	163
13	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	251	240	327	335	402	176
14	Cooperative	2150	2152	1894	1766	1985	2292	2258	2142	1913	1886	1903	1950	2092	2307	2054
15	Municipality	2597	2600	2549	2688	3142	3286	3342	3240	2897	2763	2791	2584	2559	2607	2854
16	Public Utility District	4390	4392	4150	4280	4988	5470	5440	5191	4664	4447	4482	4194	4292	4484	4665
17	Investor-Owned Utility	13025	13042	11928	11094	12163	13456	13722	12978	12083	11234	11319	11021	12569	13554	12406
18	Marketer	386	386	334	351	384	412	417	410	402	394	395	395	403	415	392
19	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	531	529	527	530	530
20	**Total Loads**	**23512**	**23534**	**21769**	**20949**	**23393**	**25677**	**25925**	**24699**	**22728**	**21662**	**21819**	**21144**	**22922**	**24456**	**23241**

Table A-1: Regional: Total Retail Loads

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	151	151	138	151	183	212	216	199	189	165	165	152	153	165	173
2	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
3	Cooperative	2205	2207	1941	1803	2024	2337	2302	2185	1952	1937	1937	1996	2143	2363	2099
4	Municipality	2619	2622	2571	2710	3165	3309	3363	3264	2919	2799	2799	2606	2581	2629	2876
5	Public Utility District	4441	4444	4185	4328	5039	5525	5490	5223	4659	4480	4480	4241	4343	4537	4706
6	Investor-Owned Utility	13258	13275	12116	11248	12327	13637	13907	13153	12250	11433	11433	11177	12769	13774	12588
7	Marketer	387	387	335	352	386	414	418	411	403	396	396	396	405	416	393
8	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
9	**Total Firm Loads**	**23885**	**23907**	**22072**	**21222**	**23683**	**25994**	**26239**	**24983**	**22960**	**21986**	**21986**	**21424**	**23255**	**24817**	**23541**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.0	54.4	33.8	33.8	0	0	0	10.6
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.0**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.6**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	151	151	138	151	183	212	216	199	189	165	165	152	153	165	173
13	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
14	Cooperative	2205	2207	1941	1803	2024	2337	2302	2185	1952	1937	1937	1996	2143	2363	2099
15	Municipality	2619	2622	2571	2710	3165	3309	3363	3264	2919	2799	2799	2606	2581	2629	2876
16	Public Utility District	4441	4444	4199	4328	5039	5525	5494	5246	4713	4514	4514	4241	4343	4537	4716
17	Investor-Owned Utility	13258	13275	12116	11248	12327	13637	13907	13153	12250	11433	11433	11177	12769	13774	12588
18	Marketer	387	387	335	352	386	414	418	411	403	396	396	396	405	416	393
19	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
20	**Total Loads**	**23885**	**23907**	**22086**	**21222**	**23683**	**25994**	**26242**	**25006**	**23014**	**22019**	**22019**	**21424**	**23255**	**24817**	**23552**

Table A-1: Regional: Total Retail Loads

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	159	159	145	159	193	224	223	200	194	170	170	156	157	170	179
2	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
3	Cooperative	2261	2263	1988	1844	2065	2385	2343	2165	1990	1978	1978	2041	2192	2418	2140
4	Municipality	2641	2644	2594	2732	3188	3332	3385	3235	2940	2821	2821	2627	2603	2651	2895
5	Public Utility District	4492	4495	4234	4376	5090	5577	5543	5192	4707	4529	4529	4290	4393	4589	4751
6	Investor-Owned Utility	13476	13493	12290	11404	12490	13825	14096	13334	12420	11592	11592	11336	12972	13998	12772
7	Marketer	388	388	336	353	387	415	420	412	405	397	397	397	406	418	394
8	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
9	**Total Firm Loads**	**24240**	**24263**	**22372**	**21496**	**23973**	**26318**	**26552**	**25087**	**23242**	**22262**	**22262**	**21703**	**23585**	**25175**	**23837**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	159	159	145	159	193	224	223	200	194	170	170	156	157	170	179
13	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
14	Cooperative	2261	2263	1988	1844	2065	2385	2343	2165	1990	1978	1978	2041	2192	2418	2140
15	Municipality	2641	2644	2594	2732	3188	3332	3385	3235	2940	2821	2821	2627	2603	2651	2895
16	Public Utility District	4492	4495	4248	4376	5090	5577	5547	5216	4761	4562	4562	4290	4393	4589	4761
17	Investor-Owned Utility	13476	13493	12290	11404	12490	13825	14096	13334	12420	11592	11592	11336	12972	13998	12772
18	Marketer	388	388	336	353	387	415	420	412	405	397	397	397	406	418	394
19	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
20	**Total Loads**	**24240**	**24263**	**22387**	**21496**	**23973**	**26318**	**26556**	**25111**	**23297**	**22296**	**22296**	**21703**	**23585**	**25175**	**23847**

Table A-1: Regional: Total Retail Loads

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	164	163	149	164	200	232	227	209	198	173	173	159	160	173	184
2	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
3	Cooperative	2325	2308	2034	1882	2104	2428	2391	2272	2034	2027	2027	2094	2250	2482	2193
4	Municipality	2677	2652	2615	2752	3209	3353	3405	3309	2959	2840	2840	2646	2623	2670	2918
5	Public Utility District	4560	4530	4283	4424	5140	5631	5597	5332	4755	4578	4578	4338	4445	4642	4807
6	Investor-Owned Utility	13761	13651	12469	11563	12658	14010	14288	13513	12592	11753	11753	11498	13176	14223	12954
7	Marketer	390	389	337	354	388	416	421	414	406	398	398	398	407	419	396
8	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
9	**Total Firm Loads**	**24694**	**24520**	**22673**	**21767**	**24258**	**26630**	**26871**	**25596**	**23532**	**22544**	**22544**	**21990**	**23924**	**25541**	**24158**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	164	163	149	164	200	232	227	209	198	173	173	159	160	173	184
13	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
14	Cooperative	2325	2308	2034	1882	2104	2428	2391	2272	2034	2027	2027	2094	2250	2482	2193
15	Municipality	2677	2652	2615	2752	3209	3353	3405	3309	2959	2840	2840	2646	2623	2670	2918
16	Public Utility District	4560	4530	4297	4424	5140	5631	5600	5356	4810	4611	4611	4338	4445	4642	4818
17	Investor-Owned Utility	13761	13651	12469	11563	12658	14010	14288	13513	12592	11753	11753	11498	13176	14223	12954
18	Marketer	390	389	337	354	388	416	421	414	406	398	398	398	407	419	396
19	Direct-Service Industry	531	530	532	529	532	527	529	531	530	530	530	529	527	530	530
20	**Total Loads**	**24694**	**24520**	**22687**	**21767**	**24258**	**26630**	**26874**	**25620**	**23587**	**22578**	**22578**	**21990**	**23924**	**25541**	**24169**

Table A-1: Regional: Total Retail Loads

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	166	168	152	167	203	236	228	210	199	174	174	160	161	174	186
2	USBR	298	285	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
3	Cooperative	2367	2390	2090	1931	2154	2483	2425	2305	2064	2057	2057	2125	2282	2516	2235
4	Municipality	2666	2700	2635	2772	3229	3373	3424	3330	2978	2860	2860	2665	2643	2690	2938
5	Public Utility District	4575	4616	4332	4469	5188	5681	5647	5384	4802	4626	4626	4386	4496	4694	4856
6	Investor-Owned Utility	13848	14003	12650	11722	12825	14194	14477	13693	12766	11914	11914	11661	13382	14453	13139
7	Marketer	390	391	338	355	389	417	422	415	407	399	399	399	408	420	397
8	Direct-Service Industry	530	531	532	529	532	527	529	531	530	530	530	529	527	530	530
9	**Total Firm Loads**	**24839**	**25084**	**22984**	**22045**	**24549**	**26946**	**27166**	**25885**	**23804**	**22806**	**22806**	**22252**	**24235**	**25880**	**24457**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.8	33.8	0	0	0	10.7
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.8**	**33.8**	**0**	**0**	**0**	**10.7**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	166	168	152	167	203	236	228	210	199	174	174	160	161	174	186
13	USBR	298	285	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
14	Cooperative	2367	2390	2090	1931	2154	2483	2425	2305	2064	2057	2057	2125	2282	2516	2235
15	Municipality	2666	2700	2635	2772	3229	3373	3424	3330	2978	2860	2860	2665	2643	2690	2938
16	Public Utility District	4575	4616	4347	4469	5188	5681	5651	5407	4857	4659	4659	4386	4496	4694	4867
17	Investor-Owned Utility	13848	14003	12650	11722	12825	14194	14477	13693	12766	11914	11914	11661	13382	14453	13139
18	Marketer	390	391	338	355	389	417	422	415	407	399	399	399	408	420	397
19	Direct-Service Industry	530	531	532	529	532	527	529	531	530	530	530	529	527	530	530
20	**Total Loads**	**24839**	**25084**	**22998**	**22045**	**24549**	**26946**	**27169**	**25908**	**23859**	**22839**	**22839**	**22252**	**24235**	**25880**	**24468**

Table A-1: Regional: Total Retail Loads

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
Firm Loads																
1	Federal Agency	168	168	153	168	205	238	230	212	200	175	174	161	162	175	187
2	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
3	Cooperative	2411	2413	2121	1960	2184	2518	2452	2331	2089	2091	2073	2150	2309	2544	2263
4	Municipality	2702	2705	2655	2791	3250	3394	3444	3351	2998	2894	2865	2684	2662	2709	2958
5	Public Utility District	4647	4650	4383	4519	5241	5736	5702	5440	4853	4696	4659	4436	4549	4749	4909
6	Investor-Owned Utility	14142	14160	12832	11880	12992	14377	14667	13872	12938	12121	12029	11827	13589	14685	13324
7	Marketer	392	392	339	356	390	419	424	416	408	401	400	400	409	421	398
8	Direct-Service Industry	531	530	532	529	532	527	529	531	530	531	530	529	527	530	530
9	**Total Firm Loads**	**25284**	**25308**	**23268**	**22302**	**24821**	**27241**	**27461**	**26170**	**24074**	**23148**	**22981**	**22515**	**24543**	**26217**	**24745**
Non-Firm Loads																
10	Public Utility District	0	0	14.3	0	0	0	3.50	23.8	54.4	33.9	33.7	0	0	0	10.7
11	**Total Non-Firm Loads**	**0**	**0**	**14.3**	**0**	**0**	**0**	**3.50**	**23.8**	**54.4**	**33.9**	**33.7**	**0**	**0**	**0**	**10.7**
Total Regional Loads (Firm+Non-Firm)																
12	Federal Agency	168	168	153	168	205	238	230	212	200	175	174	161	162	175	187
13	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
14	Cooperative	2411	2413	2121	1960	2184	2518	2452	2331	2089	2091	2073	2150	2309	2544	2263
15	Municipality	2702	2705	2655	2791	3250	3394	3444	3351	2998	2894	2865	2684	2662	2709	2958
16	Public Utility District	4647	4650	4397	4519	5241	5736	5706	5463	4907	4730	4692	4436	4549	4749	4920
17	Investor-Owned Utility	14142	14160	12832	11880	12992	14377	14667	13872	12938	12121	12029	11827	13589	14685	13324
18	Marketer	392	392	339	356	390	419	424	416	408	401	400	400	409	421	398
19	Direct-Service Industry	531	530	532	529	532	527	529	531	530	531	530	529	527	530	530
20	**Total Loads**	**25284**	**25308**	**23282**	**22302**	**24821**	**27241**	**27465**	**26194**	**24129**	**23182**	**23014**	**22515**	**24543**	**26217**	**24756**

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Exhibit 22
Table A-2: Regional Exports

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

Table A-2: Regional Exports

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	486	491	488	488	488	488	488	488	488	488	488	488	488	488	488
3	BPA-P to BCHP NTSA Del	136	136	0	0	0	0	0	0	0	0	0	0	0	33.7	14.4
4	**Total Exports to CAN**	**622**	**627**	**488**	**720**	**488**	**488**	**488**	**617**	**604**	**488**	**488**	**488**	**488**	**522**	**542**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.24	8.25	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.55	6.55	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.0**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	AVWP to SMUD PwrS LTFirm	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
11	BPA-P to PASA CNX Del	4.41	4.46	4.38	0	0	0	0	0	0	0	0	0	0	4.64	1.13
12	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	15.0	15.0	0	2.51
13	BPA-P to Other Entities	68.2	67.9	55.9	22.1	18.4	19.0	17.8	12.4	20.1	30.7	30.7	33.2	39.5	38.0	31.4
14	BPA-P to RVSD CNX Del	10.6	10.7	10.5	11.1	2.62	2.66	2.78	2.68	2.54	2.75	2.75	0	0	11.1	4.98
15	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	25.5	25.4	0	4.25
16	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
17	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
18	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	117	161	128	136	177	141	118
19	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
20	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
21	Other Entities to Other Entities	94.1	121	109	98.2	89.8	76.5	64.8	60.5	102	137	113	117	147	119	102
22	PG&E to PG&E TS PwrP	54.6	84.8	79.4	66.0	55.2	48.4	34.0	36.3	59.9	85.9	65.7	74.8	97.3	82.0	65.0
23	PPL to REDD PwrS LTFirm	27.8	27.8	22.0	21.4	0	0	0	0	0	0	0	17.5	18.0	25.3	11.1
24	PPL to SMUD PwrS LTFirm	74.4	74.4	42.9	43.2	41.6	74.4	74.4	67.2	74.4	41.6	41.6	0	0	43.2	48.1
25	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
26	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
27	SCL to NCPA SNX Del	19.2	19.2	30.0	14.5	0	0	0	0	0	0	0	0	30.0	30.0	10.3
28	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
29	SMUD to SMUD TS PwrP	63.3	63.3	62.5	59.3	65.6	64.7	65.7	64.9	58.8	59.5	59.5	53.9	60.9	66.0	62.1
30	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
31	Intertie Losses	2	2	2	1	1	1	1		1	1	1	2	2	2	1
32	**Total Exports to PSW**	**1143**	**1362**	**1261**	**952**	**828**	**790**	**671**	**666**	**896**	**1110**	**937**	**872**	**1294**	**1278**	**983**
	Total Exports															
33	Federal Entities	716	721	567	761	517	520	519	642	635	529	529	570	577	586	595
34	Investor Owned Utilities	694	825	741	527	464	458	393	391	518	614	515	445	677	758	559
35	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
36	Municipality	312	369	368	321	291	265	229	229	300	378	319	276	435	384	316
37	**Total Exports**	**1803**	**2022**	**1774**	**1704**	**1343**	**1310**	**1188**	**1311**	**1522**	**1620**	**1452**	**1394**	**1811**	**1833**	**1555**

Table A-2: Regional Exports

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	479	449	464	464	464	464	464	464	464	464	464	464	464	464	464
3	BPA-P to BCHP NTSA Del	136	136	0	0	0	0	0	0	0	0	0	0	0	32.5	14.3
4	**Total Exports to CAN**	**615**	**585**	**464**	**696**	**464**	**464**	**464**	**593**	**580**	**464**	**464**	**464**	**464**	**496**	**517**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.28	8.20	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.55	6.55	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.1**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	AVWP to SMUD PwrS LTFirm	50.0	50.0	50.0	50.0	50.0	50.0	0	0	0	0	0	0	0	0	21.0
11	BPA-P to PASA CNX Del	4.37	4.10	4.58	0	0	0	0	0	0	0	0	0	0	0	0.74
12	BPA-P to PASA SNX Del	0	0	0	0	0	0	0	0	0	0	0	15.0	15.0	0	2.51
13	BPA-P to Other Entities	38.5	41.8	28.2	22.2	19.3	16.6	16.3	12.4	20.0	30.8	30.8	34.8	37.4	38.3	26.5
14	BPA-P to RVSD CNX Del	10.5	9.84	11.0	11.1	2.50	2.78	2.66	2.68	2.67	2.75	2.75	0	0	11.1	4.98
15	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	25.1	25.7	0	4.25
16	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
17	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
18	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	117	161	128	136	177	141	118
19	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
20	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
21	Other Entities to Other Entities	94.1	121	109	98.2	89.9	76.4	64.8	60.5	102	137	113	118	147	119	102
22	PG&E to PG&E TS PwrP	54.6	84.8	79.4	66.0	55.2	48.4	34.0	36.3	59.9	85.9	65.7	74.8	97.3	82.0	65.0
23	PPL to REDD PwrS LTFirm	27.4	27.4	22.3	21.4	0	0	0	0	0	0	0	17.4	18.1	25.3	11.1
24	PPL to SMUD PwrS LTFirm	74.4	74.4	44.3	43.2	40.0	74.4	0	0	0	0	0	0	0	0	23.2
25	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
26	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
27	SCL to NCPA SNX Del	19.2	19.2	30.0	14.5	0	0	0	0	0	0	0	0	30.0	30.0	10.3
28	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
29	SMUD to SMUD TS PwrP	63.3	63.3	62.5	59.3	65.6	64.7	65.7	64.9	58.8	59.5	59.5	53.9	60.9	66.0	62.1
30	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
31	Intertie Losses	2	2	1	1	1	1	1		1	1	1	2	2	1	1
32	**Total Exports to PSW**	**1112**	**1334**	**1235**	**952**	**827**	**787**	**545**	**549**	**771**	**1018**	**845**	**824**	**1241**	**1181**	**924**
	Total Exports															
33	Federal Entities	679	651	515	736	494	493	492	617	610	505	505	547	551	556	565
34	Investor Owned Utilities	694	825	743	527	462	458	268	274	394	522	424	395	627	665	505
35	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
36	Municipality	312	369	368	321	290	265	229	229	300	378	319	276	435	384	316
37	**Total Exports**	**1765**	**1953**	**1723**	**1679**	**1317**	**1283**	**1038**	**1169**	**1373**	**1504**	**1336**	**1321**	**1734**	**1710**	**1471**

Table A-2: Regional Exports

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.7
2	BPA-P to BCHP Trty CEA	488	457	472	472	472	472	472	472	472	472	472	472	472	472	472
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**622**	**592**	**472**	**704**	**472**	**472**	**472**	**601**	**588**	**472**	**472**	**472**	**472**	**505**	**526**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.28	8.20	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.55	6.55	6.13	6.56	8.90	7.57
7	**Total Exports to ECD**	**15.1**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	38.9	42.2	27.8	22.2	19.3	15.7	15.1	11.9	19.3	30.7	30.7	35.5	37.7	39.1	26.3
13	BPA-P to RVSD CNX Del	10.5	9.84	11.0	10.6	2.62	2.78	2.54	2.72	2.79	2.62	2.62	0	0	0	4.00
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.62
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	116	161	128	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.1	121	109	98.2	89.9	76.4	64.8	60.5	102	137	113	118	147	119	101
21	PG&E to PG&E TS PwrP	54.6	84.8	79.4	66.0	55.2	48.4	34.0	36.3	59.9	85.9	65.7	74.8	97.3	82.0	65.0
22	PPL to REDD PwrS LTFirm	27.4	27.4	22.3	21.4	0	0	0	0	0	0	0	0	0	0	5.96
23	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.0
24	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	222
25	SCL to NCPA SNX Del	19.2	19.2	30.0	14.5	0	0	0	0	0	0	0	0	30.0	30.0	10.3
26	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
27	SMUD to SMUD TS PwrP	63.3	63.3	62.5	59.3	65.6	64.7	65.7	64.9	58.8	59.5	59.5	53.9	60.9	66.0	62.1
28	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
29	Intertie Losses	1	2	1	1	1	1	1		1	1	1	1	1	1	1
30	**Total Exports to PSW**	**983**	**1206**	**1135**	**858**	**738**	**662**	**543**	**548**	**771**	**1018**	**845**	**766**	**1182**	**1145**	**865**
	Total Exports															
31	Federal Entities	682	654	518	744	502	500	499	625	618	513	513	515	517	554	565
32	Investor Owned Utilities	569	701	649	434	372	333	268	274	394	522	424	377	609	640	455
33	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.7
34	Municipality	312	369	368	321	290	265	228	229	300	378	319	276	435	384	315
35	**Total Exports**	**1643**	**1831**	**1632**	**1594**	**1236**	**1166**	**1045**	**1177**	**1381**	**1512**	**1344**	**1271**	**1683**	**1682**	**1420**

Table A-2: Regional Exports

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	465	470	468	468	468	468	468	468	468	486	449	468	468	468	468
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**600**	**604**	**468**	**700**	**468**	**468**	**468**	**597**	**584**	**486**	**449**	**468**	**468**	**500**	**521**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.24	8.25	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.57	6.52	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.0**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.4**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	39.0	38.5	28.1	10.6	0	0	0	0	0	0	0	0	0	0	6.50
13	BPA-P to RVSD CNX Del	0	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	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	116	161	129	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.1	121	109	98.3	89.8	76.4	64.8	60.5	102	137	113	117	147	119	102
21	PG&E to PG&E TS PwrP	54.6	84.8	79.4	66.0	55.2	48.4	34.0	36.3	59.9	85.9	65.7	74.8	97.3	82.0	65.0
22	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
23	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
24	SCL to NCPA SNX Del	19.2	19.2	30.0	14.5	0	0	0	0	0	0	0	0	30.0	30.0	10.3
25	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
26	SMUD to SMUD TS PwrP	63.3	63.3	62.5	59.3	65.6	64.7	65.7	64.9	58.8	59.5	59.5	53.9	60.9	66.0	62.1
27	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
28	Intertie Losses	1	1	1												
29	**Total Exports to PSW**	**945**	**1164**	**1102**	**814**	**715**	**643**	**525**	**533**	**748**	**984**	**811**	**729**	**1143**	**1105**	**835**
	Total Exports															
30	Federal Entities	648	652	503	717	475	477	477	605	591	493	455	474	474	509	535
31	Investor Owned Utilities	542	673	627	413	372	333	268	274	394	522	424	377	609	640	450
32	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
33	Municipality	312	369	368	321	291	265	228	229	300	378	319	276	435	384	316
34	**Total Exports**	**1583**	**1802**	**1594**	**1545**	**1209**	**1142**	**1022**	**1157**	**1354**	**1492**	**1287**	**1230**	**1639**	**1638**	**1386**

Table A-2: Regional Exports

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	467	472	469	469	469	469	469	469	469	451	488	469	469	469	469
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**602**	**606**	**469**	**701**	**469**	**469**	**469**	**598**	**586**	**451**	**488**	**469**	**469**	**502**	**523**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.24	8.25	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.52	6.57	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.0**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.4**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	0	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	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	116	161	128	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.1	121	109	98.3	89.8	76.5	64.8	60.5	102	137	113	117	147	119	102
21	PG&E to PG&E TS PwrP	54.6	84.8	79.4	66.0	55.2	48.4	34.0	36.3	59.9	85.9	65.7	74.8	97.3	82.0	65.0
22	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
23	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
24	SCL to NCPA SNX Del	19.2	19.2	30.0	14.5	0	0	0	0	0	0	0	0	0	0	5.33
25	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
26	SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
27	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
28	Intertie Losses															
29	**Total Exports to PSW**	**887**	**1106**	**1054**	**784**	**697**	**627**	**509**	**517**	**729**	**965**	**792**	**711**	**1094**	**1056**	**806**
	Total Exports															
30	Federal Entities	610	614	476	708	477	479	478	607	593	457	495	476	476	511	531
31	Investor Owned Utilities	542	673	627	413	372	334	268	274	394	522	424	377	609	640	450
32	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
33	Municipality	294	350	349	302	272	249	213	213	281	360	301	258	387	335	293
34	**Total Exports**	**1526**	**1746**	**1549**	**1518**	**1192**	**1128**	**1008**	**1143**	**1337**	**1438**	**1308**	**1214**	**1593**	**1591**	**1358**

Table A-2: Regional Exports

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	462	466	464	464	464	464	464	464	464	464	464	464	464	464	464
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**596**	**601**	**464**	**696**	**464**	**464**	**464**	**593**	**580**	**464**	**464**	**464**	**464**	**497**	**518**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.24	8.25	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.55	6.55	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.0**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	0	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	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	117	161	128	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.1	121	109	98.2	89.8	76.5	64.8	60.5	102	137	113	117	147	119	102
21	PG&E to PG&E TS PwrP	54.6	84.8	79.4	66.0	55.2	48.4	34.0	42.6	82.2	115	95.0	102	133	110	77.5
22	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
23	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
26	SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
27	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
28	Intertie Losses															
29	**Total Exports to PSW**	**867**	**1087**	**1025**	**770**	**697**	**627**	**509**	**524**	**752**	**994**	**822**	**738**	**1131**	**1085**	**813**
	Total Exports															
30	Federal Entities	605	609	470	702	472	473	473	602	587	471	471	470	471	505	525
31	Investor Owned Utilities	542	673	627	413	372	334	268	280	416	551	453	404	645	668	462
32	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
33	Municipality	275	331	319	288	272	249	213	213	281	360	301	258	387	335	288
34	**Total Exports**	**1502**	**1721**	**1513**	**1498**	**1187**	**1123**	**1003**	**1144**	**1354**	**1480**	**1313**	**1236**	**1624**	**1614**	**1360**

Table A-2: Regional Exports

Operating Year 2020

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.7
2	BPA-P to BCHP Trty CEA	457	461	459	459	459	459	459	459	459	459	459	459	459	459	459
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**591**	**596**	**459**	**691**	**459**	**459**	**459**	**588**	**575**	**459**	**459**	**459**	**459**	**491**	**513**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.24	8.25	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.55	6.55	6.13	6.56	8.90	7.57
7	**Total Exports to ECD**	**15.0**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	0	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	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.62
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	117	161	128	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.1	121	109	98.2	89.8	76.5	64.8	60.5	102	137	113	118	147	119	101
21	PG&E to PG&E TS PwrP	93.6	111	100	83.0	69.4	57.2	47.3	42.6	82.2	115	95.0	102	133	110	86.4
22	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.0
23	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	222
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
26	SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
27	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
28	Intertie Losses															
29	**Total Exports to PSW**	**906**	**1113**	**1046**	**787**	**711**	**636**	**522**	**524**	**752**	**994**	**822**	**738**	**1130**	**1085**	**821**
	Total Exports															
30	Federal Entities	600	604	465	697	466	468	468	597	582	465	465	465	466	500	520
31	Investor Owned Utilities	581	700	648	430	386	342	282	280	416	551	453	405	645	668	471
32	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.7
33	Municipality	275	331	319	288	272	249	213	213	281	360	301	258	387	335	287
34	**Total Exports**	**1535**	**1743**	**1529**	**1510**	**1196**	**1126**	**1011**	**1139**	**1349**	**1475**	**1308**	**1231**	**1618**	**1609**	**1363**

Table A-2: Regional Exports

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	469	440	454	454	454	454	454	454	454	454	454	454	454	454	454
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**604**	**574**	**454**	**686**	**454**	**454**	**454**	**583**	**570**	**454**	**454**	**454**	**454**	**486**	**508**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.28	8.20	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.55	6.55	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.1**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	0	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	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	116	161	128	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.1	121	109	98.2	89.9	76.4	64.8	60.5	102	137	113	118	147	119	102
21	PG&E to PG&E TS PwrP	93.6	112	100	83.0	69.5	57.1	47.2	42.6	82.2	115	95.0	102	133	110	86.5
22	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
23	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
26	SMUD to SMUD TS PwrP	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
27	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
28	Intertie Losses															
29	**Total Exports to PSW**	**906**	**1114**	**1046**	**787**	**711**	**636**	**522**	**524**	**752**	**994**	**822**	**738**	**1130**	**1085**	**822**
	Total Exports															
30	Federal Entities	612	583	460	692	461	463	463	592	577	460	460	460	460	495	515
31	Investor Owned Utilities	581	700	648	430	386	342	281	280	416	551	453	405	645	668	471
32	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
33	Municipality	275	331	319	288	272	249	212	213	281	360	301	258	387	335	288
34	**Total Exports**	**1548**	**1722**	**1524**	**1505**	**1191**	**1121**	**1006**	**1134**	**1344**	**1470**	**1303**	**1226**	**1613**	**1604**	**1359**

Table A-2: Regional Exports

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	429	469	449	449	449	449	449	449	449	449	449	449	449	449	449
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**563**	**603**	**449**	**681**	**449**	**449**	**449**	**578**	**565**	**449**	**449**	**449**	**449**	**482**	**503**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.19	8.30	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.55	6.55	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.0**	**15.1**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.3**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	0	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	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	116	161	128	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.2	121	109	98.3	89.8	76.4	64.8	60.5	102	137	113	118	147	119	102
21	PG&E to PG&E TS PwrP	93.4	111	100	83.0	69.4	57.1	47.2	42.6	82.2	115	95.0	102	133	111	86.5
22	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
23	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
26	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
27	Intertie Losses															
28	**Total Exports to PSW**	**861**	**1068**	**1001**	**746**	**664**	**587**	**472**	**475**	**711**	**953**	**780**	**703**	**1088**	**1037**	**778**
	Total Exports															
29	Federal Entities	571	612	456	688	457	459	458	587	573	456	456	455	456	491	510
30	Investor Owned Utilities	581	700	648	430	386	342	281	280	416	551	453	405	645	668	471
31	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
32	Municipality	230	286	275	247	225	200	163	164	241	319	259	222	344	288	243
33	**Total Exports**	**1462**	**1705**	**1475**	**1459**	**1139**	**1068**	**951**	**1081**	**1299**	**1425**	**1257**	**1185**	**1566**	**1552**	**1310**

Table A-2: Regional Exports

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BPA-P to BCHP Trty LCADel	0	0	0	232	0	0	0	129	116	0	0	0	0	0	39.5
2	BPA-P to BCHP Trty CEA	442	447	445	445	445	445	445	445	445	462	427	445	445	445	445
3	BPA-P to BCHP NTSA Del	135	135	0	0	0	0	0	0	0	0	0	0	0	32.5	14.2
4	**Total Exports to CAN**	**577**	**581**	**445**	**677**	**445**	**445**	**445**	**574**	**561**	**462**	**427**	**445**	**445**	**477**	**498**
	East Continental Divide															
5	AVWP to PPLM PwrS LTFirm	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80	6.80
6	BPA-P to Other Entities	8.24	8.25	6.26	6.38	7.54	9.23	9.04	8.73	7.18	6.57	6.52	6.13	6.56	8.90	7.56
7	**Total Exports to ECD**	**15.0**	**15.0**	**13.1**	**13.2**	**14.3**	**16.0**	**15.8**	**15.5**	**14.0**	**13.4**	**13.3**	**12.9**	**13.4**	**15.7**	**14.4**
	Inland Southwest															
8	UAMP to UAMP TS PwrP	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
9	**Total Exports to ISW**	**22.6**	**18.6**	**11.6**	**18.8**	**11.6**	**15.8**	**13.7**	**11.9**	**8.09**	**8.80**	**14.1**	**20.7**	**15.4**	**17.2**	**14.8**
	Pacific Southwest															
10	BPA-P to PASA CNX Del	0	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	0
12	BPA-P to Other Entities	0	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	0
14	BPA-P to RVSD SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BURB to BURB TS PwrP	2.01	3.25	3.10	2.72	2.37	2.06	1.40	1.52	2.44	3.58	2.67	2.98	3.90	3.21	2.63
16	GLEN to GLEN TS PwrP	9.05	14.7	14.0	12.3	10.7	9.27	6.31	6.87	11.0	16.2	12.0	13.4	17.6	14.5	11.8
17	LDWP to LDWP TS PwrP	118	138	132	114	103	86.8	68.7	66.0	116	161	129	136	177	141	118
18	MCQC to BURB PwrS LTFirm	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
19	MID to MID TS PwrP	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
20	Other Entities to Other Entities	94.1	121	109	98.3	89.8	76.4	64.8	60.5	102	137	113	117	147	119	102
21	PG&E to PG&E TS PwrP	93.6	111	100	83.0	69.4	39.8	27.1	29.5	47.2	69.3	51.6	57.7	75.6	62.2	63.1
22	PSE to PG&E SNX Del	187	187	168	0	0	0	0	0	0	0	0	0	46.0	160	47.1
23	SCE to SCE TS PwrP	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
24	SCL to NCPA SNX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	SDGE to SDGE TS PwrP	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	0	79.0	79.0	72.3
26	TID to TID TS PwrP	80.9	97.9	95.8	90.7	85.8	81.6	72.6	74.3	86.8	102	89.9	40.8	107	97.4	84.8
27	Intertie Losses															
28	**Total Exports to PSW**	**862**	**1068**	**1001**	**746**	**664**	**570**	**452**	**462**	**676**	**907**	**737**	**658**	**1030**	**989**	**754**
	Total Exports															
29	Federal Entities	585	590	451	683	452	454	454	582	568	469	433	451	451	486	506
30	Investor Owned Utilities	581	700	648	430	386	325	261	267	381	506	410	360	587	620	448
31	Marketer	80.6	108	96.9	94.8	70.8	67.2	48.7	50.0	69.2	98.4	88.7	103	121	105	84.8
32	Municipality	230	286	275	247	225	200	163	164	241	319	260	222	344	288	243
33	**Total Exports**	**1476**	**1683**	**1471**	**1454**	**1134**	**1046**	**927**	**1063**	**1259**	**1392**	**1191**	**1136**	**1504**	**1499**	**1282**

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Exhibit 23
Table A-3: Regional Imports

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

Table A-3: Regional: Imports

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	155	155	143	142	170	209	200	203	171	144	144	141	158	171	167
7	Unk_ECD_Mrktr to Other Entities	138	138	128	125	133	141	146	139	138	124	124	124	133	145	135
8	**Total Imports From ECD**	**293**	**293**	**270**	**267**	**303**	**350**	**345**	**342**	**308**	**268**	**268**	**266**	**291**	**316**	**302**
	Inland Southwest															
9	RMP to RMP TS PwrP	493	492	453	425	423	455	428	442	414	395	395	441	552	609	461
10	**Total Imports From ISW**	**493**	**492**	**453**	**425**	**423**	**455**	**428**	**442**	**414**	**395**	**395**	**441**	**552**	**609**	**461**
	Pacific Southwest															
11	BARC to PSE PwrS LTFirm	0	0	0	0	75.0	75.0	75.0	75.0	0	0	0	0	0	0	24.7
12	PASA to BPA-P CNX EER	0	0	3.60	3.45	3.46	3.58	3.45	3.50	1.68	0	0	0	0	0	1.88
13	PASA to BPA-P CNX Repl	4.66	4.62	4.17	0.20	0	0	0	0	0	0	0	0	0	4.44	1.13
14	PASA to BPA-P SNX Ret	0	0	4.79	4.59	4.61	4.77	4.59	4.66	2.24	0	0	0	0	0	2.50
15	RVSD to BPA-P CNX EER	0	0	0	0	16.3	16.2	15.6	16.1	16.8	7.87	7.87	0	0	0	7.34
16	RVSD to BPA-P CNX Repl	11.2	11.1	10.00	11.1	3.12	2.54	2.78	2.68	2.54	2.75	2.75	0.12	0	10.6	4.98
17	RVSD to BPA-P SNX Ret	0	0	0	0	9.43	9.34	9.00	9.29	9.69	4.55	4.55	0	0	0	4.24
18	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
19	NCPA to SCL SNX Ret	0	0	0	0	24.5	30.0	30.0	30.0	30.0	6.93	6.93	0	0	0	12.5
20	**Total Imports From PSW**	**15.8**	**15.7**	**22.6**	**19.4**	**294**	**351**	**260**	**222**	**62.9**	**22.1**	**22.1**	**0.12**	**0**	**15.1**	**106**
	Total Imports															
21	Federal Entities	133	133	23.6	20.4	37.9	269	36.4	37.2	33.9	16.2	16.2	1.12	1.00	16.1	52.7
22	Investor Owned Utilities	649	649	598	568	828	951	825	804	588	542	542	585	712	782	702
23	Marketer	138	138	128	125	133	141	146	139	138	124	124	124	133	145	135
24	Municipality	23.0	23.0	13.2	14.3	58.1	78.8	92.1	98.8	91.1	34.3	34.3	24.6	33.9	18.5	48.1
25	**Total Imports**	**944**	**944**	**762**	**728**	**1057**	**1441**	**1099**	**1079**	**851**	**716**	**716**	**735**	**879**	**962**	**938**

Table A-3: Regional: Imports

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	157	156	144	142	170	209	200	204	171	145	145	142	159	171	168
7	Unk_ECD_Mrktr to Other Entities	140	139	129	127	135	143	147	140	139	126	126	126	134	147	136
8	**Total Imports From ECD**	**297**	**295**	**273**	**269**	**305**	**352**	**347**	**344**	**310**	**270**	**270**	**267**	**293**	**318**	**304**
	Inland Southwest															
9	RMP to RMP TS PwrP	506	506	464	432	427	461	433	447	420	400	400	447	561	620	468
10	**Total Imports From ISW**	**506**	**506**	**464**	**432**	**427**	**461**	**433**	**447**	**420**	**400**	**400**	**447**	**561**	**620**	**468**
	Pacific Southwest															
11	BARC to PSE PwrS LTFirm	0	0	0	0	75.0	75.0	75.0	75.0	0	0	0	0	0	0	24.7
12	PASA to BPA-P CNX EER	0	0	3.47	3.45	3.60	3.45	3.45	3.50	1.81	0	0	0	0	0	1.88
13	PASA to BPA-P CNX Repl	4.32	4.55	4.38	0.20	0	0	0	0	0	0	0	0	0	0	0.75
14	PASA to BPA-P SNX Ret	0	0	4.61	4.59	4.79	4.59	4.59	4.66	2.41	0	0	0	0	0	2.50
15	RVSD to BPA-P CNX EER	0	0	0	0	16.9	15.6	16.2	16.1	16.2	7.87	7.87	0	0	0	7.34
16	RVSD to BPA-P CNX Repl	10.5	10.8	10.5	11.1	3.00	2.66	2.78	2.68	2.54	2.75	2.75	0.12	0	10.6	4.98
17	RVSD to BPA-P SNX Ret	0	0	0	0	9.78	9.00	9.34	9.29	9.36	4.55	4.55	0	0	0	4.24
18	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
19	NCPA to SCL SNX Ret	0	0	0	0	24.5	30.0	30.0	30.0	30.0	6.93	6.93	0	0	0	12.5
20	**Total Imports From PSW**	**14.8**	**15.4**	**23.0**	**19.4**	**296**	**349**	**261**	**222**	**62.3**	**22.1**	**22.1**	**0.12**	**0**	**10.6**	**106**
	Total Imports															
21	Federal Entities	132	133	24.0	20.4	39.1	268	37.3	37.2	33.3	16.2	16.2	1.12	1.00	11.6	52.3
22	Investor Owned Utilities	666	664	610	576	834	957	831	810	593	547	547	591	722	793	710
23	Marketer	140	139	129	127	135	143	147	140	139	126	126	126	134	147	136
24	Municipality	23.0	23.0	13.2	14.3	58.1	78.8	92.1	98.8	91.1	34.3	34.3	24.6	33.9	18.5	48.1
25	**Total Imports**	**961**	**959**	**776**	**738**	**1065**	**1447**	**1107**	**1086**	**857**	**723**	**723**	**742**	**890**	**970**	**947**

Table A-3: Regional: Imports

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.7
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.5
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	158	157	145	143	171	210	201	200	172	145	145	143	159	172	168
7	Unk_ECD_Mrktr to Other Entities	142	141	130	128	136	144	149	147	141	127	127	127	136	149	138
8	**Total Imports From ECD**	**299**	**297**	**275**	**271**	**307**	**354**	**350**	**347**	**313**	**273**	**273**	**270**	**295**	**321**	**306**
	Inland Southwest															
9	RMP to RMP TS PwrP	514	514	469	436	431	464	436	450	423	403	403	450	567	627	473
10	**Total Imports From ISW**	**514**	**514**	**469**	**436**	**431**	**464**	**436**	**450**	**423**	**403**	**403**	**450**	**567**	**627**	**473**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	16.4	15.6	16.8	16.0	15.6	7.89	7.89	0	0	0	7.32
15	RVSD to BPA-P CNX Repl	9.98	10.3	11.0	11.1	2.50	2.78	2.66	2.59	2.79	2.75	2.75	0	0	0	4.04
16	RVSD to BPA-P SNX Ret	0	0	0	0	9.52	9.09	9.77	9.28	9.10	4.59	4.59	0	0	0	4.26
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.2
18	NCPA to SCL SNX Ret	0	0	0	0	24.5	30.0	30.0	30.0	30.0	6.93	6.93	0	0	0	12.6
19	**Total Imports From PSW**	**9.98**	**10.3**	**11.0**	**11.1**	**211**	**267**	**179**	**139**	**57.5**	**22.2**	**22.2**	**0**	**0**	**0**	**75.4**
	Total Imports															
20	Federal Entities	127	128	12.0	12.1	29.4	260	30.2	28.8	28.5	16.2	16.2	1.00	1.00	1.00	46.1
21	Investor Owned Utilities	673	672	616	581	763	886	760	734	598	551	551	595	729	801	690
22	Marketer	142	141	130	128	136	144	149	147	141	127	127	127	136	149	138
23	Municipality	23.0	23.0	13.2	14.3	58.1	78.8	92.1	98.8	91.1	34.3	34.3	24.6	33.9	18.5	48.3
24	**Total Imports**	**965**	**963**	**771**	**735**	**986**	**1370**	**1031**	**1009**	**858**	**729**	**729**	**747**	**899**	**969**	**923**

Table A-3: Regional: Imports

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	158	158	146	143	172	210	201	205	172	146	145	143	160	172	169
7	Unk_ECD_Mrktr to Other Entities	143	143	132	130	138	146	151	144	143	129	128	129	137	151	139
8	**Total Imports From ECD**	**301**	**301**	**278**	**273**	**309**	**356**	**352**	**349**	**315**	**275**	**274**	**271**	**297**	**323**	**308**
	Inland Southwest															
9	RMP to RMP TS PwrP	520	519	473	439	433	467	439	453	426	406	406	453	574	633	476
10	**Total Imports From ISW**	**520**	**519**	**473**	**439**	**433**	**467**	**439**	**453**	**426**	**406**	**406**	**453**	**574**	**633**	**476**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
18	NCPA to SCL SNX Ret	0	0	0	0	24.5	30.0	30.0	30.0	30.0	6.93	6.40	0	0	0	12.5
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**182**	**239**	**149**	**111**	**30.0**	**6.93**	**6.40**	**0**	**0**	**0**	**59.6**
	Total Imports															
20	Federal Entities	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
21	Investor Owned Utilities	679	679	620	584	765	889	762	742	601	555	554	598	735	807	695
22	Marketer	143	143	132	130	138	146	151	144	143	129	128	129	137	151	139
23	Municipality	23.0	23.0	13.2	14.3	58.1	78.8	92.1	98.8	91.1	34.3	33.8	24.6	33.9	18.5	48.1
24	**Total Imports**	**962**	**962**	**766**	**729**	**962**	**1348**	**1006**	**986**	**836**	**719**	**716**	**752**	**907**	**977**	**913**

Table A-3: Regional: Imports

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	158	158	146	144	172	211	202	206	173	146	147	143	160	173	169
7	Unk_ECD_Mrktr to Other Entities	144	144	133	131	139	147	152	145	144	129	130	130	138	152	140
8	**Total Imports From ECD**	**302**	**302**	**279**	**274**	**311**	**358**	**354**	**351**	**316**	**275**	**277**	**273**	**299**	**325**	**310**
	Inland Southwest															
9	RMP to RMP TS PwrP	525	525	476	442	435	469	441	455	429	408	409	456	580	640	480
10	**Total Imports From ISW**	**525**	**525**	**476**	**442**	**435**	**469**	**441**	**455**	**429**	**408**	**409**	**456**	**580**	**640**	**480**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
18	NCPA to SCL SNX Ret	0	0	0	0	24.5	30.0	30.0	30.0	30.0	6.40	6.93	0	0	0	12.5
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**182**	**239**	**149**	**111**	**30.0**	**6.40**	**6.93**	**0**	**0**	**0**	**59.6**
	Total Imports															
20	Federal Entities	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
21	Investor Owned Utilities	685	685	624	587	768	893	765	745	604	557	558	601	742	815	699
22	Marketer	144	144	133	131	139	147	152	145	144	129	130	130	138	152	140
23	Municipality	23.0	23.0	13.2	14.3	58.1	78.8	92.1	98.8	91.1	33.8	34.3	24.6	33.9	18.5	48.1
24	**Total Imports**	**970**	**969**	**771**	**733**	**966**	**1352**	**1011**	**990**	**840**	**721**	**723**	**757**	**915**	**986**	**918**

Table A-3: Regional: Imports

Operating Year 2019

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

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	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	159	159	147	144	173	211	202	207	173	147	147	144	161	173	170
7	Unk_ECD_Mrktr to Other Entities	145	145	134	132	140	149	153	146	145	131	131	131	140	153	142
8	**Total Imports From ECD**	**304**	**304**	**281**	**276**	**313**	**360**	**355**	**353**	**318**	**278**	**278**	**275**	**300**	**326**	**311**
	Inland Southwest															
9	RMP to RMP TS PwrP	531	531	479	445	438	472	444	458	432	411	411	459	586	647	484
10	**Total Imports From ISW**	**531**	**531**	**479**	**445**	**438**	**472**	**444**	**458**	**432**	**411**	**411**	**459**	**586**	**647**	**484**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**158**	**209**	**119**	**81.0**	**0**	**0**	**0**	**0**	**0**	**0**	**47.1**
	Total Imports															
20	Federal Entities	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
21	Investor Owned Utilities	691	691	627	591	771	896	768	748	607	560	560	605	748	822	703
22	Marketer	145	145	134	132	140	149	153	146	145	131	131	131	140	153	142
23	Municipality	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
24	**Total Imports**	**977**	**977**	**776**	**738**	**946**	**1326**	**985**	**965**	**815**	**719**	**719**	**761**	**923**	**994**	**911**

Table A-3: Regional: Imports

Operating Year 2020

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

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	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.7
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.5
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	159	159	147	145	174	212	203	202	174	148	148	145	162	174	170
7	Unk_ECD_Mrktr to Other Entities	146	147	135	133	141	150	155	153	146	132	132	132	141	154	143
8	**Total Imports From ECD**	**306**	**306**	**283**	**278**	**315**	**362**	**357**	**355**	**320**	**280**	**280**	**276**	**302**	**328**	**313**
	Inland Southwest															
9	RMP to RMP TS PwrP	536	536	482	448	440	474	446	461	434	414	414	462	592	654	487
10	**Total Imports From ISW**	**536**	**536**	**482**	**448**	**440**	**474**	**446**	**461**	**434**	**414**	**414**	**462**	**592**	**654**	**487**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.2
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**158**	**209**	**119**	**81.0**	**0**	**0**	**0**	**0**	**0**	**0**	**47.2**
	Total Imports															
20	Federal Entities	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.5
21	Investor Owned Utilities	697	697	631	595	774	899	771	747	611	564	564	608	756	830	707
22	Marketer	146	147	135	133	141	150	155	153	146	132	132	132	141	154	143
23	Municipality	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.7
24	**Total Imports**	**984**	**984**	**780**	**743**	**950**	**1331**	**989**	**969**	**819**	**724**	**724**	**766**	**931**	**1003**	**916**

Table A-3: Regional: Imports

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	160	159	148	145	174	212	203	208	174	148	148	145	162	174	171
7	Unk_ECD_Mrktr to Other Entities	148	147	136	134	142	151	156	149	147	133	133	133	142	156	144
8	**Total Imports From ECD**	**309**	**307**	**284**	**279**	**316**	**363**	**359**	**357**	**322**	**281**	**281**	**278**	**304**	**330**	**315**
	Inland Southwest															
9	RMP to RMP TS PwrP	542	542	485	451	442	477	449	463	437	417	417	465	598	661	491
10	**Total Imports From ISW**	**542**	**542**	**485**	**451**	**442**	**477**	**449**	**463**	**437**	**417**	**417**	**465**	**598**	**661**	**491**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**158**	**209**	**119**	**81.0**	**0**	**0**	**0**	**0**	**0**	**0**	**47.1**
	Total Imports															
20	Federal Entities	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
21	Investor Owned Utilities	704	703	635	598	777	902	774	755	614	567	567	612	762	837	711
22	Marketer	148	147	136	134	142	151	156	149	147	133	133	133	142	156	144
23	Municipality	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
24	**Total Imports**	**993**	**991**	**785**	**747**	**954**	**1335**	**993**	**974**	**823**	**728**	**728**	**770**	**939**	**1012**	**921**

Table A-3: Regional: Imports

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	159	161	148	146	174	213	204	209	175	149	149	145	163	175	171
7	Unk_ECD_Mrktr to Other Entities	148	149	138	135	144	152	157	150	149	134	134	134	143	157	145
8	**Total Imports From ECD**	**308**	**310**	**286**	**281**	**318**	**365**	**361**	**359**	**323**	**283**	**283**	**279**	**306**	**332**	**317**
	Inland Southwest															
9	RMP to RMP TS PwrP	548	548	488	454	445	480	451	466	440	419	419	468	605	667	494
10	**Total Imports From ISW**	**548**	**548**	**488**	**454**	**445**	**480**	**451**	**466**	**440**	**419**	**419**	**468**	**605**	**667**	**494**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**158**	**209**	**119**	**81.0**	**0**	**0**	**0**	**0**	**0**	**0**	**47.1**
	Total Imports															
20	Federal Entities	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
21	Investor Owned Utilities	709	711	638	601	780	905	777	759	617	570	570	615	769	844	715
22	Marketer	148	149	138	135	144	152	157	150	149	134	134	134	143	157	145
23	Municipality	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
24	**Total Imports**	**998**	**1000**	**790**	**752**	**958**	**1339**	**998**	**978**	**828**	**732**	**732**	**775**	**947**	**1020**	**927**

Table A-3: Regional: Imports

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW - Contract	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Canada															
1	BCHP to SCL PwrS LTFirm	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
2	BCHP to BPA-P Trty LCALgcyRtn	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
3	BCHP to BPA-P Trty LCARtn	116	116	0	0	0	232	0	0	0	0	0	0	0	0	29.6
4	Other Entities to PSE	1.79	1.79	1.75	1.95	2.90	3.34	3.28	2.79	2.70	2.19	2.19	1.86	1.64	2.01	2.35
5	**Total Imports From CAN**	**142**	**142**	**16.0**	**17.3**	**37.5**	**285**	**66.4**	**72.6**	**64.8**	**30.6**	**30.6**	**27.5**	**36.5**	**21.5**	**68.5**
	East Continental Divide															
6	PPL to PPL TS PwrP	161	161	149	146	175	213	204	210	175	149	149	146	163	175	172
7	Unk_ECD_Mrktr to Other Entities	150	150	139	136	145	154	159	151	150	136	135	135	144	158	146
8	**Total Imports From ECD**	**311**	**311**	**288**	**282**	**320**	**367**	**363**	**361**	**325**	**285**	**284**	**281**	**307**	**333**	**318**
	Inland Southwest															
9	RMP to RMP TS PwrP	554	554	491	457	447	483	453	468	443	422	422	471	611	674	498
10	**Total Imports From ISW**	**554**	**554**	**491**	**457**	**447**	**483**	**453**	**468**	**443**	**422**	**422**	**471**	**611**	**674**	**498**
	Pacific Southwest															
11	PASA to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PASA to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PASA to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	RVSD to BPA-P CNX EER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RVSD to BPA-P CNX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	RVSD to BPA-P SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PG&E to PSE SNX Ret	0	0	0	0	158	209	119	81.0	0	0	0	0	0	0	47.1
18	NCPA to SCL SNX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	**Total Imports From PSW**	**0**	**0**	**0**	**0**	**158**	**209**	**119**	**81.0**	**0**	**0**	**0**	**0**	**0**	**0**	**47.1**
	Total Imports															
20	Federal Entities	117	117	1.00	1.00	1.00	233	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	30.6
21	Investor Owned Utilities	716	716	642	605	783	908	780	762	620	574	573	619	775	852	720
22	Marketer	150	150	139	136	145	154	159	151	150	136	135	135	144	158	146
23	Municipality	23.0	23.0	13.2	14.3	33.6	48.8	62.1	68.8	61.1	27.4	27.4	24.6	33.9	18.5	35.6
24	**Total Imports**	**1007**	**1007**	**795**	**756**	**962**	**1344**	**1002**	**983**	**832**	**738**	**736**	**779**	**955**	**1029**	**932**

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Exhibit 24
Table A-4: Regional Intra-Regional Transfers

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

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	57.5	54.2	54.7	57.0	54.2	55.4	56.9	54.6	54.6	0	57.5	0	41.6
2	AVWP to PGE CapX Del	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.5	50.5	0	0	0	41.7
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	130	131	120	0	0	0	0	0	0	0	0	0	0	0	21.0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.5	50.5	0	0	0	41.7
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	5.48
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	4.75
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	0	0	2.50
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	8.13	7.77	8.20	8.60	8.00	7.84	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
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	5.02
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	96.5	96.5	83.4	20.4	156	146	156	152	166	179	179	32.9	42.9	34.4	105
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	16.0	16.0	16.0	24.0	24.3	24.3	25.2	22.4	24.0	16.0	16.0	16.0	16.0	16.0	20.0
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
23	PGE to AVWP CapX Repl	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
24	PGE to EWEB CapX Repl	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	0	0	2.50
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	91.6	91.6	91.5	0	0	0	0	0	0	0	0	0	22.8
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	57.5	54.2	54.7	57.0	54.2	55.4	56.9	54.6	54.6	0	57.5	0	41.6
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	188	188	188	188	188	188	188	188	188	188	188	100.0	188	188	180
33	**Total Intra-Regional Transfers**	**863**	**864**	**1025**	**856**	**1192**	**1083**	**1090**	**1086**	**1008**	**1011**	**1011**	**581**	**797**	**674**	**937**
	Intra-Regional Contracts Out															
34	Federal Entities	139	140	129	9.00	215	215	215	215	110	110	110	9.00	9.00	9.00	115
35	Investor Owned Utilities	426	426	618	626	617	507	507	502	536	541	541	331	542	419	514
36	Marketer	203	203	203	153	292	288	294	294	293	289	289	145	145	145	228
37	Municipality	60.7	60.7	46.4	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	58.1	61.5	63.1	51.1
38	Public Utility District	34.5	34.5	28.6	22.8	22.5	26.9	28.3	28.7	22.5	25.0	25.0	37.3	39.6	38.5	29.6
39	**Total Regional Contracts Out**	**863**	**864**	**1025**	**856**	**1192**	**1083**	**1090**	**1086**	**1008**	**1011**	**1011**	**581**	**797**	**674**	**937**
	Intra-Regional Contracts In															
40	Federal Entities	117	117	310	241	373	276	281	279	297	308	308	53.1	178	54.6	230
41	Investor Owned Utilities	511	511	491	485	690	695	697	697	586	588	588	424	517	518	574
42	Marketer	145	146	135	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	14.7	35.7
43	Municipality	7.28	7.28	6.39	5.99	5.86	5.93	6.11	6.18	6.05	5.83	5.83	6.29	3.73	4.33	5.83
44	Public Utility District	82.9	82.9	82.9	110	108	91.2	92.1	89.3	104	93.9	93.9	82.9	82.9	82.9	91.9
45	**Total Regional Contracts In**	**863**	**864**	**1025**	**856**	**1192**	**1083**	**1090**	**1086**	**1008**	**1011**	**1011**	**581**	**797**	**674**	**937**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	55.2	54.8	58.2	54.8	54.8	56.0	57.6	55.2	55.2	0	55.2	0	41.6
2	AVWP to PGE CapX Del	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.5	50.5	0	0	0	41.7
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.74	3.92	3.92	4.01	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.5	50.5	0	0	0	41.7
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	5.48
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	4.75
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	8.13	7.46	8.20	8.60	8.00	7.84	10.3	10.3	12.6	13.9	13.8	10.1
15	GHPD to GHP PwrS LTFirm	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	14.7
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	5.02
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	38.6	38.7	25.4	71.4	68.0	62.1	67.2	60.0	77.5	85.5	85.5	83.9	93.8	85.4	68.3
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	18.0	18.0	18.0	27.0	26.1	28.2	28.2	25.1	27.0	18.0	18.0	18.0	18.0	18.0	22.5
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
23	PGE to AVWP CapX Repl	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	55.2	54.8	58.2	54.8	54.8	56.0	57.6	55.2	55.2	0	55.2	0	41.6
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	188	188	188	188	188	188	188	188	188	188	188	188	100.0	188	181
33	**Total Intra-Regional Transfers**	**671**	**671**	**747**	**814**	**1015**	**993**	**1000**	**992**	**917**	**915**	**915**	**716**	**757**	**727**	**854**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	214	215	215	215	110	110	110	9.00	9.00	9.00	93.6
35	Investor Owned Utilities	423	423	519	532	530	500	505	501	534	539	539	416	449	419	489
36	Marketer	147	147	147	207	206	208	208	205	207	198	198	198	198	198	194
37	Municipality	57.9	57.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	54.9	61.7	63.0	48.6
38	Public Utility District	34.5	34.5	28.6	22.8	22.2	26.9	28.3	28.7	22.5	25.0	25.0	37.3	39.6	38.5	29.6
39	**Total Regional Contracts Out**	**671**	**671**	**747**	**814**	**1015**	**993**	**1000**	**992**	**917**	**915**	**915**	**716**	**757**	**727**	**854**
	Intra-Regional Contracts In															
40	Federal Entities	58.8	58.9	156	201	201	188	193	189	209	216	216	104	224	106	170
41	Investor Owned Utilities	509	509	488	482	687	692	694	694	583	585	585	509	430	518	572
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	84.9	84.9	84.9	113	110	95.1	95.1	92.0	107	95.9	95.9	84.9	84.9	84.9	94.4
45	**Total Regional Contracts In**	**671**	**671**	**747**	**814**	**1015**	**993**	**1000**	**992**	**917**	**915**	**915**	**716**	**757**	**727**	**854**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	55.4	55.1	58.4	55.1	57.9	55.8	54.9	55.4	55.4	0	55.4	0	41.7
2	AVWP to PGE CapX Del	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.5	50.5	0	0	0	41.8
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.74	3.92	3.77	4.03	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.5	50.5	0	0	0	41.8
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	5.46
11	CLAT to IPC NX Ret	7.00	7.00	4.00	0	0	4.00	0	0	0	0	0	0	0	0	1.26
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	8.13	7.46	8.20	8.60	8.05	8.14	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	19.0	17.0	0	0	0	0	0	0	0	0	0	3.00
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.65
18	Other Entities to BPA-P	89.6	89.7	76.4	71.4	68.0	62.1	67.1	60.0	77.5	85.5	85.5	83.9	93.8	85.6	76.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	20.0	20.0	20.0	30.0	29.4	31.8	30.6	29.4	30.0	20.0	20.0	20.0	20.0	20.0	25.1
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
23	PGE to AVWP CapX Repl	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	55.4	55.1	58.4	55.1	57.9	55.8	54.9	55.4	55.4	0	55.4	0	41.7
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	188	188	188	188	188	188	188	188	179	93.9	93.9	161	188	188	177
33	**Total Intra-Regional Transfers**	**724**	**724**	**801**	**818**	**1019**	**997**	**1003**	**990**	**893**	**812**	**812**	**680**	**837**	**719**	**857**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	214	215	215	215	110	110	110	9.00	9.00	9.00	93.9
35	Investor Owned Utilities	423	423	520	533	530	500	511	500	507	434	434	389	537	419	483
36	Marketer	200	200	200	210	209	212	211	209	210	200	200	200	200	200	205
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	34.5	34.5	28.6	22.8	22.2	26.9	23.3	22.7	22.8	25.0	25.0	27.3	28.6	28.5	26.1
39	**Total Regional Contracts Out**	**724**	**724**	**801**	**818**	**1019**	**997**	**1003**	**990**	**893**	**812**	**812**	**680**	**837**	**719**	**857**
	Intra-Regional Contracts In															
40	Federal Entities	110	110	207	202	201	189	199	188	204	217	217	104	225	106	179
41	Investor Owned Utilities	508	508	488	482	687	692	688	688	574	491	491	471	507	508	565
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	86.9	86.9	86.9	116	113	98.7	97.5	96.3	96.9	86.9	86.9	86.9	86.9	86.9	95.0
45	**Total Regional Contracts In**	**724**	**724**	**801**	**818**	**1019**	**997**	**1003**	**990**	**893**	**812**	**812**	**680**	**837**	**719**	**857**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	54.9	57.3	55.0	54.5	57.3	55.7	54.4	54.9	60.7	0	54.9	0	41.6
2	AVWP to PGE CapX Del	44.6	44.6	44.6	44.6	44.6	44.6	0	0	0	0	0	0	0	0	18.7
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.1	50.9	0	0	0	41.6
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.1	50.9	0	0	0	41.6
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	5.47
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	7.77	8.20	8.60	8.00	8.14	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	89.5	89.5	76.4	71.4	67.9	62.1	67.1	60.0	77.5	85.5	85.3	83.9	93.8	85.6	76.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	7.00	7.00	7.00	11.0	11.0	11.4	11.0	10.1	11.0	7.00	7.00	7.00	7.00	7.00	8.96
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	92.1	92.1	92.1	0	0	0	0	0	0	0	0	0	0	0	15.4
23	PGE to AVWP CapX Repl	44.6	44.6	44.6	44.6	44.6	44.6	0	0	0	0	0	0	0	0	18.7
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	54.9	57.3	55.0	54.5	57.3	55.7	54.4	54.9	60.7	0	54.9	0	41.6
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188
33	**Total Intra-Regional Transfers**	**704**	**704**	**783**	**692**	**885**	**880**	**801**	**790**	**701**	**710**	**723**	**513**	**641**	**525**	**718**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	215	215	215	215	110	109	111	9.00	9.00	9.00	93.6
35	Investor Owned Utilities	423	423	519	426	414	407	329	319	334	346	357	235	355	238	362
36	Marketer	187	187	187	191	191	191	191	190	191	187	187	187	187	187	189
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	27.5	27.5	24.6	22.6	22.5	22.9	23.3	22.7	22.8	25.0	25.0	27.3	28.6	28.5	24.9
39	**Total Regional Contracts Out**	**704**	**704**	**783**	**692**	**885**	**880**	**801**	**790**	**701**	**710**	**723**	**513**	**641**	**525**	**718**
	Intra-Regional Contracts In															
40	Federal Entities	110	110	206	206	194	188	198	188	203	215	227	104	224	106	179
41	Investor Owned Utilities	501	501	484	390	595	596	507	507	402	403	405	317	325	326	446
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	73.9	73.9	73.9	77.9	77.9	78.3	77.9	77.0	77.9	73.9	73.9	73.9	73.9	73.9	75.9
45	**Total Regional Contracts In**	**704**	**704**	**783**	**692**	**885**	**880**	**801**	**790**	**701**	**710**	**723**	**513**	**641**	**525**	**718**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.9	50.1	0	0	0	41.6
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	101	101	101	101	50.6	50.9	50.1	0	0	0	41.6
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	5.47
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	7.77	8.20	8.60	8.00	8.14	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	89.5	89.5	76.4	71.4	67.9	62.1	67.2	60.0	77.5	85.2	85.5	83.9	93.8	85.6	76.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	54.9	57.3	55.0	57.3	54.5	55.7	54.4	60.7	54.9	0	54.9	0	41.6
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	188	188	188	188	188	188	188	188	188	188	188	188	188	188	188
33	**Total Intra-Regional Transfers**	**516**	**516**	**539**	**534**	**730**	**727**	**730**	**724**	**635**	**655**	**648**	**506**	**579**	**518**	**615**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	215	215	215	215	110	111	109	9.00	9.00	9.00	93.6
35	Investor Owned Utilities	242	242	282	280	270	266	269	263	279	297	291	235	300	238	268
36	Marketer	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	27.5	27.5	24.6	22.6	22.5	22.9	23.3	22.7	22.8	25.0	25.0	27.3	28.6	28.5	24.9
39	**Total Regional Contracts Out**	**516**	**516**	**539**	**534**	**730**	**727**	**730**	**724**	**635**	**655**	**648**	**506**	**579**	**518**	**615**
	Intra-Regional Contracts In															
40	Federal Entities	110	110	151	149	139	136	138	132	148	166	161	104	169	106	137
41	Investor Owned Utilities	320	320	303	301	506	507	507	507	402	405	403	317	325	326	393
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
45	**Total Regional Contracts In**	**516**	**516**	**539**	**534**	**730**	**727**	**730**	**724**	**635**	**655**	**648**	**506**	**579**	**518**	**615**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.01	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	8.13	7.77	8.20	8.60	8.00	7.84	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	89.5	89.5	76.4	71.4	67.9	62.1	67.2	60.0	77.5	85.5	85.5	83.9	93.9	85.4	76.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	57.5	54.2	54.7	57.0	54.2	55.4	56.9	54.6	54.6	0	57.5	0	41.6
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	188	188	188	188	188	188	0	0	0	0	0	0	0	0	78.8
33	**Total Intra-Regional Transfers**	**516**	**516**	**542**	**531**	**528**	**525**	**340**	**334**	**348**	**360**	**360**	**318**	**394**	**330**	**423**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	12.9	12.8	12.9	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
35	Investor Owned Utilities	242	242	285	276	270	266	80.7	74.7	93.6	103	103	47.1	115	49.7	159
36	Marketer	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	27.5	27.5	24.6	22.8	22.5	22.9	23.3	22.7	22.5	25.0	25.0	27.3	28.6	28.5	24.9
39	**Total Regional Contracts Out**	**516**	**516**	**542**	**531**	**528**	**525**	**340**	**334**	**348**	**360**	**360**	**318**	**394**	**330**	**423**
	Intra-Regional Contracts In															
40	Federal Entities	110	110	154	146	139	136	138	132	151	160	160	104	172	106	137
41	Investor Owned Utilities	320	320	303	301	304	305	117	117	113	115	115	129	137	138	201
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
45	**Total Regional Contracts In**	**516**	**516**	**542**	**531**	**528**	**525**	**340**	**334**	**348**	**360**	**360**	**318**	**394**	**330**	**423**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.77	3.92	4.03	0	0	0	0	0	0	1.29
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.46
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	8.13	7.77	8.20	8.60	8.05	7.84	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.65
18	Other Entities to BPA-P	89.5	89.5	76.4	20.4	16.9	11.1	16.2	8.97	26.5	34.5	34.5	32.9	42.8	34.4	34.3
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**328**	**328**	**297**	**238**	**234**	**229**	**235**	**227**	**240**	**254**	**254**	**267**	**286**	**279**	**260**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	12.9	12.8	12.9	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
35	Investor Owned Utilities	53.7	53.6	39.6	34.3	26.9	21.2	26.5	19.3	36.7	48.2	48.2	47.1	57.4	49.7	38.4
36	Marketer	180	180	180	129	129	129	129	129	129	129	129	129	129	129	138
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	27.5	27.5	24.6	22.8	22.5	22.9	23.3	22.7	22.5	25.0	25.0	27.3	28.6	28.5	24.9
39	**Total Regional Contracts Out**	**328**	**328**	**297**	**238**	**234**	**229**	**235**	**227**	**240**	**254**	**254**	**267**	**286**	**279**	**260**
	Intra-Regional Contracts In															
40	Federal Entities	110	110	96.6	40.6	33.4	27.6	32.7	25.4	42.9	54.7	54.7	53.1	63.0	54.6	52.9
41	Investor Owned Utilities	132	132	115	113	117	117	117	117	113	115	115	129	137	138	122
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
45	**Total Regional Contracts In**	**328**	**328**	**297**	**238**	**234**	**229**	**235**	**227**	**240**	**254**	**254**	**267**	**286**	**279**	**260**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.74	3.92	3.77	4.01	0	0	0	0	0	0	1.27
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	8.13	7.46	8.20	8.60	8.00	8.14	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	38.6	38.7	25.4	20.4	17.0	11.1	16.1	8.96	26.5	34.5	34.5	32.9	42.8	34.4	25.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	12.7	12.9	12.8	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
35	Investor Owned Utilities	53.8	53.9	39.7	34.3	27.0	21.1	26.4	19.3	36.8	48.2	48.2	47.1	57.4	49.7	38.5
36	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	27.5	27.5	24.6	22.8	22.2	22.9	23.3	22.7	22.8	25.0	25.0	27.3	28.6	28.5	24.9
39	**Total Regional Contracts Out**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**
	Intra-Regional Contracts In															
40	Federal Entities	58.8	58.9	45.6	40.6	33.4	27.5	32.6	25.4	43.0	54.7	54.7	53.1	63.0	54.6	44.5
41	Investor Owned Utilities	132	132	115	113	116	117	117	117	113	115	115	129	137	138	122
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
45	**Total Regional Contracts In**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	7.77	8.20	8.60	8.00	8.14	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	38.5	38.3	25.4	20.4	16.9	11.1	16.1	8.96	26.5	34.5	34.5	32.9	42.8	34.6	25.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	12.9	12.9	12.8	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
35	Investor Owned Utilities	53.6	53.5	39.7	34.3	26.9	21.1	26.4	19.3	36.8	48.2	48.2	47.1	57.4	49.8	38.5
36	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	27.5	27.5	24.6	22.6	22.5	22.9	23.3	22.7	22.8	25.0	25.0	27.3	28.6	28.5	24.9
39	**Total Regional Contracts Out**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**
	Intra-Regional Contracts In															
40	Federal Entities	58.7	58.5	45.6	40.6	33.4	27.5	32.6	25.4	43.0	54.7	54.7	53.1	63.0	54.8	44.5
41	Investor Owned Utilities	132	132	115	113	117	117	117	117	113	115	115	129	137	138	122
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
45	**Total Regional Contracts In**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**

Table A-4: Regional: Intra-Regional Transfers

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Intra-Regional Transfers															
1	AVWP to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	AVWP to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	BPA-P to AVWP Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	BPA-P to BPA-T Ops IntrlAgmt	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00	9.00
5	BPA-P to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	BPA-P to PPL SNX SprgDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BPA-P to PPL SNX SumrDel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BPA-P to PSE Ops UBkr Repl	0	0	0	0	3.89	3.92	3.77	4.01	0	0	0	0	0	0	1.28
9	BPA-P to PSE Setl WNP3 Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	CIDF to RMP PwrS LTFirm	14.6	14.6	0.25	0	0	0	0	0	0	0	0	11.9	18.5	19.8	5.47
11	CLAT to IPC NX Ret	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	DOPD to Other Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	EWEB to PGE CapX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	GCPD to PPL PwrS LTFirm	12.8	12.8	9.90	7.90	7.77	8.20	8.60	8.00	8.14	10.3	10.3	12.6	13.9	13.8	10.2
15	GHPD to GHP PwrS LTFirm	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	14.7
16	IPC to CLAT NX Del	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	NWE to MVP PwrS LTFirm	11.2	11.2	11.2	11.2	7.47	7.47	7.47	7.47	7.47	11.2	11.2	11.2	11.2	11.2	9.66
18	Other Entities to BPA-P	38.5	38.5	25.4	20.4	16.9	11.1	16.1	8.96	26.5	34.5	34.3	32.9	42.8	34.6	25.8
19	Other Entities to COPD	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
20	Other Entities to DOPD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Other Entities to Other Entities	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
22	Other Entities to PGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	PGE to AVWP CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	PGE to EWEB CapX Repl	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	PGE to PPL PwrS LTFirm	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	0.90
26	PPL to BPA-P SNX SprgRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	PPL to BPA-P SNX SumrRtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSE to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	PSE to BPA-P Setl WNP3 Rtn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	SCL to POPD PwrS LTFirm	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
31	SPN to PGE PwrS LTFirm	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
32	TAUC to AVWP PwrS LTFirm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	**Total Intra-Regional Transfers**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**
	Intra-Regional Contracts Out															
34	Federal Entities	9.00	9.00	9.00	9.00	12.9	12.9	12.8	13.0	9.00	9.00	9.00	9.00	9.00	9.00	10.3
35	Investor Owned Utilities	53.7	53.6	39.7	34.3	26.9	21.1	26.4	19.3	36.8	48.2	48.0	47.1	57.4	49.8	38.5
36	Marketer	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
37	Municipality	57.7	57.7	43.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	55.0	61.6	62.9	48.6
38	Public Utility District	27.5	27.5	24.6	22.6	22.5	22.9	23.3	22.7	22.8	25.0	25.0	27.3	28.6	28.5	24.9
39	**Total Regional Contracts Out**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**
	Intra-Regional Contracts In															
40	Federal Entities	58.7	58.7	45.6	40.6	33.4	27.5	32.6	25.4	43.0	54.7	54.5	53.1	63.0	54.8	44.5
41	Investor Owned Utilities	132	132	115	113	117	117	117	117	113	115	115	129	137	138	122
42	Marketer	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	14.7
43	Municipality	4.28	4.28	3.39	2.99	2.86	2.93	3.11	3.18	3.05	2.83	2.83	3.29	3.73	4.33	3.33
44	Public Utility District	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
45	**Total Regional Contracts In**	**277**	**277**	**246**	**238**	**234**	**229**	**235**	**227**	**241**	**254**	**254**	**267**	**286**	**279**	**251**

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Exhibit 25

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

Monthly Energy

Operating Year 2014 to 2023

Using 1937-Water Conditions

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

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**312**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
3	**Load Following**	**3199**	**3202**	**2944**	**2888**	**3368**	**3812**	**3767**	**3586**	**3189**	**3053**	**3053**	**2932**	**3051**	**3310**	**3257**
4	Cooperative	1931	1933	1709	1594	1814	2090	2045	1946	1724	1685	1685	1699	1831	2030	1842
5	Municipality	559	560	532	541	634	701	702	672	597	564	564	518	520	557	591
6	Public Utility District	595	596	601	645	787	867	869	828	733	690	690	612	595	605	702
7	Federal Entities	113	113	103	107	132	154	151	140	135	113	113	104	105	119	123
8	**Slice Right to Power**	**2006**	**1749**	**1673**	**1617**	**2151**	**2118**	**1655**	**1579**	**1742**	**1715**	**1732**	**2764**	**2227**	**2154**	**1943**
9	Municipality	669	583	558	539	717	706	552	526	581	572	578	922	743	718	648
10	Public Utility District	1337	1166	1115	1078	1434	1412	1103	1052	1161	1143	1154	1843	1485	1436	1295
11	**Tier 1 Block**	**1636**	**1636**	**1716**	**1655**	**2046**	**2274**	**2310**	**2137**	**1989**	**1663**	**1663**	**1454**	**1351**	**1592**	**1817**
12	Municipality	488	488	613	547	758	827	858	813	778	541	541	359	287	462	610
13	Public Utility District	1148	1148	1102	1108	1288	1447	1452	1324	1211	1122	1122	1094	1063	1130	1207
14	**USBR Obligation**	**292**	**290**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**246**	**246**	**327**	**335**	**402**	**176**
15	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	1931	1933	1709	1594	1814	2090	2045	1946	1724	1685	1685	1699	1831	2030	1842
17	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
18	Federal Entities	113	113	103	107	132	154	151	140	135	113	113	104	105	119	123
19	Municipality	1716	1631	1703	1627	2110	2235	2112	2012	1956	1677	1683	1799	1550	1737	1849
20	Public Utility District	3080	2909	2818	2831	3508	3726	3424	3204	3106	2956	2967	3549	3143	3170	3204
21	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
22	**Total Power Sales Contracts**	**7445**	**7189**	**6899**	**6571**	**7906**	**8549**	**8058**	**7632**	**7290**	**6990**	**7006**	**7789**	**7275**	**7771**	**7506**

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

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**313**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
3	**Load Following**	**3248**	**3221**	**2981**	**2957**	**3440**	**3878**	**3828**	**3646**	**3245**	**3105**	**3105**	**2982**	**3102**	**3360**	**3312**
4	Cooperative	1958	1943	1730	1642	1863	2133	2082	1981	1759	1716	1716	1727	1860	2064	1876
5	Municipality	569	564	539	555	649	715	716	686	609	577	577	530	534	570	604
6	Public Utility District	606	600	608	651	793	873	875	835	740	697	697	618	601	610	708
7	Federal Entities	115	114	103	108	134	157	155	143	138	116	116	106	107	116	125
8	**Slice Right to Power**	**2051**	**1768**	**1585**	**1576**	**2105**	**2127**	**1799**	**1583**	**1732**	**1736**	**1745**	**2519**	**1848**	**1971**	**1877**
9	Municipality	684	589	529	525	702	709	600	528	577	579	582	840	616	657	626
10	Public Utility District	1367	1178	1057	1051	1403	1418	1199	1055	1154	1157	1163	1679	1232	1314	1251
11	**Tier 1 Block**	**1593**	**1593**	**1661**	**1736**	**2147**	**2387**	**2424**	**2243**	**2088**	**1746**	**1746**	**1526**	**1419**	**1671**	**1886**
12	Municipality	483	483	596	572	793	866	897	851	814	567	567	378	303	485	633
13	Public Utility District	1110	1110	1065	1164	1354	1521	1527	1393	1274	1179	1179	1149	1116	1186	1253
14	**USBR Obligation**	**286**	**296**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**246**	**246**	**327**	**335**	**402**	**176**
15	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	1958	1943	1730	1642	1863	2133	2082	1981	1759	1716	1716	1727	1860	2064	1876
17	Direct Service Industry	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
18	Federal Entities	115	114	103	108	134	157	155	143	138	116	116	106	107	116	125
19	Municipality	1737	1637	1664	1653	2144	2290	2212	2064	2001	1723	1727	1748	1453	1712	1862
20	Public Utility District	3083	2889	2730	2866	3551	3812	3601	3283	3168	3033	3039	3445	2949	3110	3212
21	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
22	**Total Power Sales Contracts**	**7491**	**7190**	**6794**	**6681**	**8033**	**8736**	**8376**	**7801**	**7435**	**7145**	**7155**	**7666**	**7016**	**7717**	**7563**

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

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**313**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
3	**Load Following**	**3303**	**3276**	**3037**	**2976**	**3462**	**3897**	**3848**	**3575**	**3260**	**3122**	**3122**	**2998**	**3123**	**3386**	**3331**
4	Cooperative	1997	1982	1771	1640	1863	2131	2084	1927	1756	1714	1714	1726	1863	2073	1879
5	Municipality	583	578	552	568	663	729	728	684	620	589	589	542	546	582	615
6	Public Utility District	612	606	614	656	798	878	880	824	745	702	702	623	606	615	712
7	Federal Entities	111	110	99.4	111	137	160	155	141	139	117	117	107	108	116	125
8	**Slice Right to Power**	**2041**	**1739**	**1530**	**1573**	**2100**	**2122**	**1794**	**1580**	**1730**	**1728**	**1738**	**2659**	**2122**	**2032**	**1907**
9	Municipality	681	580	510	524	700	707	598	527	577	576	579	887	707	678	636
10	Public Utility District	1360	1159	1020	1048	1400	1414	1196	1053	1153	1152	1158	1773	1414	1355	1271
11	**Tier 1 Block**	**1672**	**1672**	**1743**	**1684**	**2082**	**2315**	**2350**	**2100**	**2024**	**1693**	**1693**	**1481**	**1379**	**1621**	**1845**
12	Municipality	507	507	624	548	759	829	859	786	779	543	543	361	290	464	612
13	Public Utility District	1165	1165	1119	1136	1323	1486	1492	1314	1245	1150	1150	1120	1089	1157	1233
14	**USBR Obligation**	**286**	**296**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**246**	**246**	**327**	**335**	**402**	**176**
15	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	1997	1982	1771	1640	1863	2131	2084	1927	1756	1714	1714	1726	1863	2073	1879
17	Direct Service Industry	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
18	Federal Entities	111	110	99.4	111	137	160	155	141	139	117	117	107	108	116	125
19	Municipality	1770	1664	1686	1640	2122	2265	2184	1997	1977	1708	1711	1790	1544	1723	1863
20	Public Utility District	3137	2931	2754	2841	3521	3779	3568	3191	3142	3004	3010	3515	3109	3127	3217
21	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
22	**Total Power Sales Contracts**	**7615**	**7295**	**6877**	**6644**	**7984**	**8677**	**8317**	**7585**	**7383**	**7101**	**7110**	**7777**	**7270**	**7754**	**7571**

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

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**312**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**313**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	312	312	313	311	313	311	312	313	312	313	312	312	311	312	312
3	**Load Following**	**3315**	**3318**	**3061**	**2997**	**3487**	**3924**	**3883**	**3688**	**3277**	**3167**	**3136**	**3061**	**3186**	**3454**	**3373**
4	Cooperative	1998	2000	1779	1652	1877	2145	2082	1969	1742	1725	1709	1764	1901	2113	1895
5	Municipality	592	593	563	574	669	735	733	704	625	596	591	547	551	587	622
6	Public Utility District	613	614	619	660	802	882	884	845	748	709	701	626	609	618	717
7	Federal Entities	111	112	100.0	112	138	161	183	169	161	137	136	125	125	136	138
8	**Slice Right to Power**	**2042**	**1737**	**1529**	**1564**	**2087**	**2107**	**1779**	**1565**	**1715**	**1719**	**1733**	**2494**	**1851**	**1987**	**1860**
9	Municipality	681	579	510	522	696	703	593	522	572	573	578	831	617	662	620
10	Public Utility District	1361	1158	1019	1043	1391	1405	1185	1043	1143	1146	1155	1662	1234	1324	1240
11	**Tier 1 Block**	**1621**	**1621**	**1690**	**1721**	**2128**	**2366**	**2403**	**2224**	**2070**	**1730**	**1730**	**1513**	**1409**	**1657**	**1876**
12	Municipality	485	485	597	560	775	847	877	832	796	555	555	369	296	474	621
13	Public Utility District	1137	1137	1093	1161	1353	1520	1526	1392	1273	1175	1175	1144	1113	1182	1255
14	**USBR Obligation**	**292**	**290**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**240**	**251**	**327**	**335**	**402**	**176**
15	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	1998	2000	1779	1652	1877	2145	2082	1969	1742	1725	1709	1764	1901	2113	1895
17	Direct Service Industry	312	312	313	311	313	311	312	313	312	313	312	312	311	312	312
18	Federal Entities	111	112	100.0	112	138	161	183	169	161	137	136	125	125	136	138
19	Municipality	1758	1657	1670	1655	2140	2284	2203	2057	1993	1725	1723	1747	1464	1723	1864
20	Public Utility District	3111	2908	2731	2864	3547	3807	3596	3281	3165	3030	3031	3432	2955	3125	3213
21	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
22	**Total Power Sales Contracts**	**7582**	**7279**	**6848**	**6694**	**8043**	**8741**	**8389**	**7806**	**7431**	**7169**	**7162**	**7706**	**7092**	**7812**	**7598**

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

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**312**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**313**	**312**	**311**	**312**	**312**
2	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	313	312	311	312	312
3	**Load Following**	**3359**	**3362**	**3071**	**2982**	**3474**	**3955**	**3925**	**3727**	**3311**	**3171**	**3203**	**3099**	**3229**	**3505**	**3401**
4	Cooperative	2015	2017	1763	1610	1830	2138	2103	1988	1758	1727	1744	1786	1927	2146	1900
5	Municipality	597	598	568	580	675	741	739	710	631	596	602	553	557	593	628
6	Public Utility District	616	617	622	662	805	885	887	848	751	703	711	628	611	620	719
7	Federal Entities	131	131	118	131	164	191	196	181	172	145	146	133	134	145	153
8	**Slice Right to Power**	**2038**	**1733**	**1525**	**1574**	**2096**	**2115**	**1789**	**1575**	**1725**	**1733**	**1739**	**2666**	**2128**	**2039**	**1907**
9	Municipality	679	578	509	525	699	705	597	525	575	578	580	889	710	680	636
10	Public Utility District	1358	1155	1017	1049	1397	1410	1193	1050	1150	1155	1159	1777	1419	1359	1271
11	**Tier 1 Block**	**1657**	**1657**	**1728**	**1688**	**2089**	**2322**	**2359**	**2183**	**2031**	**1697**	**1697**	**1484**	**1382**	**1626**	**1853**
12	Municipality	495	495	610	549	761	831	861	816	781	544	544	362	290	465	613
13	Public Utility District	1161	1161	1117	1139	1329	1492	1498	1367	1250	1153	1153	1122	1092	1161	1240
14	**USBR Obligation**	**292**	**290**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**251**	**240**	**327**	**335**	**402**	**176**
15	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	251	240	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	2015	2017	1763	1610	1830	2138	2103	1988	1758	1727	1744	1786	1927	2146	1900
17	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	313	312	311	312	312
18	Federal Entities	131	131	118	131	164	191	196	181	172	145	146	133	134	145	153
19	Municipality	1772	1671	1687	1653	2135	2277	2196	2051	1987	1718	1726	1804	1557	1738	1877
20	Public Utility District	3136	2933	2756	2851	3531	3786	3578	3265	3151	3011	3023	3527	3121	3140	3231
21	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	251	240	327	335	402	176
22	**Total Power Sales Contracts**	**7658**	**7355**	**6890**	**6656**	**8000**	**8736**	**8398**	**7815**	**7437**	**7164**	**7191**	**7889**	**7386**	**7884**	**7649**

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

Operating Year 2019 Water Year: 1937

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

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	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**312**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
3	**Load Following**	**3408**	**3411**	**3111**	**3008**	**3504**	**3994**	**3959**	**3760**	**3337**	**3216**	**3216**	**3131**	**3266**	**3548**	**3436**
4	Cooperative	2047	2048	1786	1618	1839	2154	2117	2001	1767	1748	1748	1802	1948	2172	1917
5	Municipality	604	604	574	586	682	748	745	716	636	605	605	558	563	599	634
6	Public Utility District	619	619	625	665	808	888	890	852	754	710	710	630	614	623	722
7	Federal Entities	139	140	126	140	175	204	208	191	181	153	153	140	141	153	163
8	**Slice Right to Power**	**2049**	**1745**	**1536**	**1575**	**2149**	**2168**	**1842**	**1628**	**1750**	**1758**	**1768**	**2483**	**1858**	**2013**	**1891**
9	Municipality	683	582	512	525	717	723	614	543	583	586	590	828	619	671	630
10	Public Utility District	1366	1163	1024	1050	1433	1445	1228	1085	1166	1172	1178	1655	1238	1342	1260
11	**Tier 1 Block**	**1626**	**1626**	**1695**	**1724**	**2134**	**2372**	**2409**	**2230**	**2075**	**1734**	**1734**	**1516**	**1412**	**1660**	**1881**
12	Municipality	486	486	599	561	777	848	879	834	798	556	556	370	297	475	622
13	Public Utility District	1140	1140	1097	1164	1357	1523	1530	1396	1277	1178	1178	1146	1115	1185	1259
14	**USBR Obligation**	**292**	**290**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**246**	**246**	**327**	**335**	**402**	**176**
15	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	2047	2048	1786	1618	1839	2154	2117	2001	1767	1748	1748	1802	1948	2172	1917
17	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
18	Federal Entities	139	140	126	140	175	204	208	191	181	153	153	140	141	153	163
19	Municipality	1773	1672	1685	1672	2176	2319	2238	2093	2017	1747	1750	1756	1479	1746	1887
20	Public Utility District	3124	2922	2745	2878	3597	3856	3648	3333	3197	3060	3066	3432	2967	3150	3241
21	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
22	**Total Power Sales Contracts**	**7687**	**7384**	**6909**	**6718**	**8127**	**8877**	**8536**	**7947**	**7532**	**7266**	**7275**	**7769**	**7182**	**7936**	**7696**

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

Operating Year 2020 Water Year: 1937

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S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**312**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
3	**Load Following**	**3450**	**3454**	**3144**	**3045**	**3546**	**4044**	**3998**	**3699**	**3370**	**3251**	**3251**	**3170**	**3310**	**3598**	**3469**
4	Cooperative	2072	2074	1804	1639	1861	2182	2139	1962	1785	1770	1770	1828	1978	2208	1936
5	Municipality	610	610	580	592	689	755	751	707	642	610	610	564	569	605	639
6	Public Utility District	621	622	628	667	811	891	893	838	757	713	713	634	617	626	724
7	Federal Entities	147	148	133	147	186	217	215	192	187	158	158	145	146	158	169
8	**Slice Right to Power**	**2048**	**1744**	**1535**	**1578**	**2152**	**2171**	**1845**	**1631**	**1752**	**1761**	**1771**	**2667**	**2130**	**2042**	**1932**
9	Municipality	683	581	512	526	718	724	615	544	584	587	590	889	710	681	644
10	Public Utility District	1365	1162	1023	1052	1435	1447	1230	1087	1168	1174	1180	1777	1420	1361	1288
11	**Tier 1 Block**	**1660**	**1660**	**1732**	**1695**	**2097**	**2331**	**2368**	**2116**	**2039**	**1703**	**1703**	**1490**	**1387**	**1632**	**1854**
12	Municipality	496	496	611	551	763	834	864	791	784	546	546	363	291	467	613
13	Public Utility District	1164	1164	1120	1144	1334	1497	1504	1325	1255	1157	1157	1126	1096	1165	1241
14	**USBR Obligation**	**292**	**290**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**246**	**246**	**327**	**335**	**402**	**176**
15	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	2072	2074	1804	1639	1861	2182	2139	1962	1785	1770	1770	1828	1978	2208	1936
17	Direct Service Industry	312	312	313	311	313	311	312	313	312	312	312	312	311	312	312
18	Federal Entities	147	148	133	147	186	217	215	192	187	158	158	145	146	158	169
19	Municipality	1789	1688	1703	1669	2170	2312	2230	2042	2010	1744	1747	1816	1571	1753	1897
20	Public Utility District	3151	2948	2771	2862	3579	3835	3628	3250	3180	3044	3051	3538	3133	3152	3253
21	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
22	**Total Power Sales Contracts**	**7763**	**7460**	**6977**	**6729**	**8136**	**8890**	**8537**	**7775**	**7531**	**7274**	**7283**	**7965**	**7474**	**7986**	**7743**

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

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S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**313**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
3	**Load Following**	**3517**	**3486**	**3185**	**3065**	**3569**	**4073**	**4027**	**3826**	**3394**	**3279**	**3279**	**3202**	**3347**	**3641**	**3508**
4	Cooperative	2117	2100	1831	1648	1870	2196	2158	2039	1800	1789	1789	1851	2007	2242	1962
5	Municipality	619	613	585	596	693	760	754	726	645	613	613	567	572	609	644
6	Public Utility District	628	622	631	669	813	893	896	859	759	716	716	636	620	629	728
7	Federal Entities	153	152	138	152	192	224	219	201	190	161	161	147	148	161	174
8	**Slice Right to Power**	**2048**	**1747**	**1539**	**1576**	**2149**	**2170**	**1842**	**1629**	**1752**	**1760**	**1769**	**2518**	**1860**	**1980**	**1892**
9	Municipality	683	583	513	525	716	724	614	543	584	587	590	839	620	660	631
10	Public Utility District	1365	1164	1026	1050	1432	1447	1228	1086	1168	1173	1179	1678	1240	1320	1261
11	**Tier 1 Block**	**1632**	**1632**	**1702**	**1685**	**2085**	**2318**	**2355**	**2179**	**2028**	**1694**	**1694**	**1482**	**1379**	**1623**	**1845**
12	Municipality	488	488	601	548	759	829	859	815	780	543	543	361	290	464	610
13	Public Utility District	1144	1144	1101	1137	1326	1489	1496	1365	1248	1151	1151	1120	1090	1158	1235
14	**USBR Obligation**	**286**	**296**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**246**	**246**	**327**	**335**	**402**	**176**
15	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	2117	2100	1831	1648	1870	2196	2158	2039	1800	1789	1789	1851	2007	2242	1962
17	Direct Service Industry	313	312	313	311	313	311	312	313	312	312	312	312	311	312	312
18	Federal Entities	153	152	138	152	192	224	219	201	190	161	161	147	148	161	174
19	Municipality	1789	1683	1699	1669	2169	2313	2228	2084	2009	1743	1746	1768	1482	1733	1886
20	Public Utility District	3137	2930	2757	2857	3572	3829	3620	3309	3175	3040	3046	3435	2950	3107	3225
21	USBR	286	296	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
22	**Total Power Sales Contracts**	**7795**	**7473**	**6992**	**6738**	**8144**	**8905**	**8549**	**7963**	**7543**	**7290**	**7299**	**7840**	**7233**	**7958**	**7734**

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

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**312**	**313**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**312**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	312	313	313	311	313	311	312	313	312	312	312	312	311	312	312
3	**Load Following**	**3522**	**3564**	**3220**	**3106**	**3612**	**4123**	**4052**	**3849**	**3414**	**3298**	**3298**	**3222**	**3369**	**3666**	**3539**
4	Cooperative	2129	2154	1857	1680	1902	2234	2174	2054	1812	1802	1802	1865	2021	2259	1984
5	Municipality	615	623	589	600	698	765	758	730	648	616	616	570	576	612	648
6	Public Utility District	623	631	633	672	816	897	899	862	762	718	718	639	622	631	731
7	Federal Entities	154	156	140	155	196	228	220	203	191	162	162	148	149	163	176
8	**Slice Right to Power**	**2050**	**1742**	**1537**	**1574**	**2149**	**2167**	**1839**	**1626**	**1751**	**1760**	**1769**	**2666**	**2129**	**2039**	**1931**
9	Municipality	683	581	513	525	716	723	613	542	584	587	590	889	710	680	644
10	Public Utility District	1366	1161	1025	1049	1432	1445	1226	1084	1167	1173	1179	1777	1419	1359	1287
11	**Tier 1 Block**	**1623**	**1623**	**1692**	**1686**	**2087**	**2320**	**2356**	**2181**	**2029**	**1695**	**1695**	**1483**	**1380**	**1624**	**1845**
12	Municipality	485	485	598	548	760	830	860	815	780	543	543	362	290	464	610
13	Public Utility District	1138	1138	1095	1138	1327	1490	1497	1366	1249	1151	1151	1121	1090	1159	1235
14	**USBR Obligation**	**298**	**285**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**246**	**246**	**327**	**335**	**402**	**176**
15	USBR	298	285	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	2129	2154	1857	1680	1902	2234	2174	2054	1812	1802	1802	1865	2021	2259	1984
17	Direct Service Industry	312	313	313	311	313	311	312	313	312	312	312	312	311	312	312
18	Federal Entities	154	156	140	155	196	228	220	203	191	162	162	148	149	163	176
19	Municipality	1784	1689	1699	1673	2174	2317	2231	2088	2012	1747	1750	1821	1576	1757	1902
20	Public Utility District	3127	2930	2753	2859	3575	3831	3622	3311	3178	3043	3049	3537	3132	3150	3253
21	USBR	298	285	254	100	27.6	32.8	13.5	16.9	57.8	246	246	327	335	402	176
22	**Total Power Sales Contracts**	**7804**	**7526**	**7016**	**6778**	**8188**	**8954**	**8572**	**7985**	**7564**	**7311**	**7321**	**8009**	**7524**	**8043**	**7803**

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

Operating Year 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW - Contract Total	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	**DSI Obligation**	**312**	**312**	**313**	**311**	**313**	**311**	**312**	**313**	**312**	**313**	**312**	**312**	**311**	**312**	**312**
2	Direct Service Industry	312	312	313	311	313	311	312	313	312	313	312	312	311	312	312
3	**Load Following**	**3565**	**3568**	**3240**	**3128**	**3637**	**4153**	**4074**	**3871**	**3432**	**3334**	**3300**	**3241**	**3389**	**3688**	**3561**
4	Cooperative	2156	2158	1870	1694	1919	2255	2188	2068	1824	1823	1804	1877	2034	2274	1998
5	Municipality	623	624	592	603	702	769	762	734	651	623	616	573	579	616	652
6	Public Utility District	629	630	636	674	819	899	902	865	765	725	718	641	625	634	734
7	Federal Entities	156	156	141	156	197	230	222	204	193	164	163	149	150	164	177
8	**Slice Right to Power**	**2048**	**1744**	**1536**	**1572**	**2147**	**2166**	**1838**	**1625**	**1749**	**1755**	**1769**	**2501**	**1859**	**1994**	**1890**
9	Municipality	683	582	512	524	716	722	613	542	583	585	590	834	620	665	630
10	Public Utility District	1365	1163	1024	1048	1431	1444	1225	1083	1166	1170	1179	1667	1239	1329	1260
11	**Tier 1 Block**	**1624**	**1624**	**1693**	**1686**	**2087**	**2320**	**2356**	**2181**	**2029**	**1695**	**1695**	**1483**	**1380**	**1624**	**1845**
12	Municipality	485	485	598	548	760	830	860	815	780	543	543	362	290	464	610
13	Public Utility District	1139	1139	1095	1138	1327	1490	1497	1366	1249	1151	1151	1121	1090	1159	1235
14	**USBR Obligation**	**292**	**290**	**254**	**100**	**27.6**	**32.8**	**13.5**	**16.9**	**57.8**	**240**	**251**	**327**	**335**	**402**	**176**
15	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
	Total Power Sales Contracts															
16	Cooperative	2156	2158	1870	1694	1919	2255	2188	2068	1824	1823	1804	1877	2034	2274	1998
17	Direct Service Industry	312	312	313	311	313	311	312	313	312	313	312	312	311	312	312
18	Federal Entities	156	156	141	156	197	230	222	204	193	164	163	149	150	164	177
19	Municipality	1791	1690	1702	1676	2177	2321	2234	2091	2015	1751	1750	1769	1489	1746	1892
20	Public Utility District	3133	2931	2755	2860	3577	3833	3624	3314	3180	3047	3048	3430	2955	3123	3228
21	USBR	292	290	254	100	27.6	32.8	13.5	16.9	57.8	240	251	327	335	402	176
22	**Total Power Sales Contracts**	**7842**	**7539**	**7036**	**6798**	**8211**	**8982**	**8593**	**8006**	**7581**	**7337**	**7327**	**7864**	**7275**	**8020**	**7784**

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Exhibit 26
Table A-7: Regional Regulated Hydro

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.3
3	Alder	37.1	14.7	6.14	0	0	0.45	45.0	13.7	33.3	33.0	6.32	27.7	37.0	21.8	19.3
4	Bonneville	171	138	422	420	542	551	456	462	487	370	185	445	361	273	404
5	Boundary	164	149	191	373	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.8	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	132	132	182	155	162	167	217	164	204	203	205	229	196	175	182
8	Cabinet Gorge	39.7	35.4	43.0	49.5	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.6
9	Chelan Lake	56.6	37.4	14.6	55.0	4.28	5.28	56.4	55.6	11.4	55.3	51.2	36.6	56.0	56.8	37.6
10	Chief Joseph	1425	1173	857	908	1305	1276	956	900	918	906	1053	1577	1231	1471	1142
11	Cushman 1	19.1	6.20	1.33	0.99	0.84	2.59	10.6	2.45	2.67	2.94	3.13	3.40	3.77	3.99	4.04
12	Cushman 2	47.7	12.0	0	0	0	0.49	25.1	0.49	0.36	0.20	0.20	0.13	0.10	0.03	4.77
13	Diablo	27.8	53.4	99.8	52.2	80.3	64.5	157	77.9	80.4	85.8	73.1	59.9	93.4	106	82.6
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	62.1	90.7	78.8	167	88.1	95.2	116	88.1	78.3	118	124	97.4
17	Grand Coulee	2571	2078	1513	1631	2361	2262	1665	1567	1562	1491	1690	2533	2110	2687	1988
18	Hells Canyon	106	106	149	130	133	133	173	133	165	161	168	190	161	137	148
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	100	130	121	108	104	114	122	125	178	179	180	312	255	150	157
21	John Day	731	605	675	676	926	916	730	735	814	793	730	1089	958	844	817
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	13.6	0	0	0.64	63.3	26.3	62.0	61.8	10.3	44.9	55.2	32.9	31.9
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	28.0	10.7	10.4	13.9	17.6	10.2	22.8	30.2	32.8	32.5	34.9	15.4	19.8
26	Little Goose	105	140	132	108	105	112	124	111	170	212	268	485	275	147	178
27	Long Lake	24.1	23.7	65.6	26.8	26.1	34.0	40.9	23.6	49.8	68.7	72.3	72.5	72.5	37.3	45.3
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	10.2	20.6	12.6	1.33	45.3	70.2	58.9	25.5
29	Lower Granite	108	143	137	102	103	113	125	112	172	205	273	496	272	91.4	174
30	Lower Monumental	84.5	142	127	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	163	55.4	69.9	69.9	69.9	8.36	128	69.1	70.6
32	McNary	348	286	462	459	598	591	475	478	508	459	398	617	501	401	486
33	Merwin	19.7	17.0	123	26.3	57.3	94.8	80.6	33.1	68.1	109	60.5	28.8	64.7	33.4	59.4
34	Monroe Street	5.78	5.98	14.5	7.46	7.48	10.8	9.45	5.99	12.6	14.5	14.4	14.3	14.5	11.8	10.8
35	Mossyrock	50.1	38.4	168	88.4	88.1	64.8	254	42.3	56.2	48.3	42.6	0	253	126	103
36	Nine Mile	5.79	5.79	17.7	7.02	7.00	9.70	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	12.4
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	73.4	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	55.0	55.0	77.5	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	73.9
41	Pelton	34.7	34.7	37.5	37.6	34.8	33.8	30.5	33.8	32.8	49.1	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.11	7.86	6.96	7.86	7.57	12.0	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	13.1	3.31	3.16	5.64	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	7.57
44	Priest Rapids	417	310	344	373	520	521	407	377	375	373	277	508	473	466	421
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	315	316	269	288	354	350	300	285	285	285	298	383	339	332	316
47	Rocky Reach	656	578	443	477	658	644	501	472	472	475	546	818	690	700	584
48	Ross	0	36.2	100	50.6	88.2	65.0	169	72.0	66.4	78.2	52.9	38.8	60.4	87.1	73.4
49	Round Butte	86.2	86.2	94.0	94.2	85.9	82.7	73.3	82.4	80.0	125	88.6	93.2	90.9	95.6	88.8
50	Swift 1	31.0	26.3	200	15.5	123	74.5	72.1	25.6	45.1	154	0.02	27.4	143	57.9	73.9
51	Swift 2	9.02	7.67	59.8	4.75	42.4	30.3	31.7	12.2	20.6	69.0	0.01	9.81	41.5	15.9	25.9
52	The Dalles	487	402	542	537	723	744	595	604	648	602	493	730	643	566	610
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	22.3	26.8	30.5	22.6	42.5	8.03	12.7	2.67	0	51.5	103	60.7	34.1
55	Upper Falls	5.05	5.23	9.59	6.51	6.52	8.96	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	8.06
56	Wanapum	428	354	279	308	480	480	346	318	316	313	261	529	491	484	393
57	Wells	432	366	286	302	430	420	316	297	303	292	321	483	410	454	368
58	Yale	22.7	19.3	133	8.57	103	92.2	70.4	32.0	60.5	106	81.0	0	108	42.0	63.4
	Total Regulated Hydro															
59	Federal Entities	6848	5842	5444	5327	7304	7135	5623	5466	5881	5684	5752	9445	7451	7514	6563
60	Investor Owned Utilities	1433	1282	1810	1337	1691	1912	1769	1328	1596	2275	1852	2512	2730	2013	1845
61	Marketer	465	408	356	381	507	501	396	377	375	395	370	567	506	506	441

Table A-7: Regional: Regulated Hydro

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	489	440	800	696	677	639	1268	555	651	977	609	892	1577	1001	835
63	Public Utility District	1283	1080	975	1046	1394	1372	1116	1026	990	1106	977	1565	1454	1428	1217
64	**Total Regulated Hydro**	**10518**	**9051**	**9385**	**8787**	**11573**	**11559**	**10173**	**8752**	**9493**	**10438**	**9561**	**14981**	**13718**	**12462**	**10902**

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.3	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.2
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	187	138	404	415	542	551	493	462	489	368	183	411	327	238	397
5	Boundary	164	149	190	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.7	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	42.6	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.5
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1457	1174	806	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1119
11	Cushman 1	21.4	12.7	1.33	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	7.17
12	Cushman 2	51.2	31.4	0	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	12.4
13	Diablo	27.8	53.4	92.2	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	81.4
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	105	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	95.5
17	Grand Coulee	2628	2074	1418	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1950
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	751	613	642	667	925	917	799	735	814	793	727	1041	912	799	808
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	14.1	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.2
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	34.2	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	41.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.5
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	495	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	40.8	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	62.9
32	McNary	358	290	439	453	597	591	521	478	508	459	396	590	477	379	482
33	Merwin	19.7	17.0	27.0	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	46.1
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	10.0
35	Mossyrock	50.1	38.4	71.8	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	79.9
36	Nine Mile	5.79	5.79	9.86	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.4
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	62.9	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	5.14	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.60
44	Priest Rapids	430	311	324	367	520	522	451	377	375	373	274	463	430	424	412
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	316	259	284	354	350	323	285	285	285	298	365	323	317	313
47	Rocky Reach	671	579	414	469	657	645	556	472	472	475	543	763	641	653	574
48	Ross	0	36.2	90.8	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	71.6
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.7
50	Swift 1	31.0	26.3	39.2	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	54.1
51	Swift 2	9.02	7.67	11.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	20.1
52	The Dalles	501	407	516	530	723	744	649	604	650	599	492	699	612	536	605
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	0	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	30.3
55	Upper Falls	5.05	5.23	9.08	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.63
56	Wanapum	442	354	259	301	479	481	394	318	316	313	258	477	441	436	383
57	Wells	442	366	268	296	421	421	352	297	295	300	326	454	379	424	361
58	Yale	22.7	19.3	32.3	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	49.5
	Total Regulated Hydro															
59	Federal Entities	7022	5898	5184	5255	7216	7154	6161	5471	5833	5753	5794	9039	7021	7075	6479
60	Investor Owned Utilities	1497	1343	1325	1252	1551	1869	1823	1332	1664	2194	1795	2442	2681	1967	1779
61	Marketer	475	408	337	376	508	500	435	377	378	388	368	528	470	472	434

Table A-7: Regional: Regulated Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	495	466	603	699	699	640	1216	725	580	858	586	888	1450	999	808
63	Public Utility District	1314	1080	869	1025	1422	1372	1226	1025	1037	1041	927	1423	1350	1328	1190
64	**Total Regulated Hydro**	**10803**	**9195**	**8319**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14319**	**12972**	**11840**	**10690**

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.2
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.4
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.4
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1114
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.73
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.5
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.2
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.3
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1941
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.1
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.4
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	496	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.2
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	480
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.7
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.7
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.87
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	571
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.5
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.6
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	47.9
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	31.9
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	359
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.5
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9040	7021	7075	6458
60	Investor Owned Utilities	1496	1333	1545	1252	1551	1869	1823	1332	1664	2194	1795	2442	2681	1967	1795
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1311	1059	855	1025	1422	1372	1226	1025	1037	1041	927	1423	1350	1328	1187
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14320**	**12972**	**11840**	**10699**

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.3
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.5
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1115
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.72
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.4
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.0
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.2
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1942
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.5
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	496	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.3
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	481
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.8
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.8
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.88
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	572
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.4
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.7
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	32.0
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	360
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.6
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9040	7021	7075	6461
60	Investor Owned Utilities	1496	1333	1545	1252	1551	1869	1823	1332	1664	2194	1795	2442	2681	1967	1796
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1311	1059	855	1025	1422	1372	1226	1025	1037	1041	927	1423	1350	1328	1187
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14320**	**12972**	**11840**	**10703**

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.3
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.5
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1115
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.72
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.4
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.0
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.2
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1942
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.5
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	496	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.3
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	481
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.8
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.8
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.88
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	572
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.4
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.7
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	32.0
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	360
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.6
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9040	7021	7075	6461
60	Investor Owned Utilities	1496	1333	1545	1252	1551	1869	1823	1332	1664	2194	1795	2442	2681	1967	1796
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1311	1059	855	1025	1422	1372	1226	1025	1037	1041	927	1423	1350	1328	1187
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14320**	**12972**	**11840**	**10703**

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.3
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.5
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1115
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.72
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.4
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.0
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.2
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1942
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.5
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	494	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.3
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	481
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.8
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.8
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.88
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	572
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.4
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.7
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	32.0
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	360
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.6
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9037	7021	7075	6461
60	Investor Owned Utilities	1496	1333	1394	1076	1301	1620	1615	1157	1489	2016	1602	2173	2457	1716	1604
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1311	1059	1006	1201	1671	1621	1435	1201	1212	1219	1120	1691	1574	1579	1380
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14317**	**12972**	**11840**	**10703**

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.2
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.4
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.4
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1114
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.73
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.5
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.2
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.3
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1941
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.1
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.4
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	495	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.2
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	480
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.7
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.7
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.87
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	571
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.5
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.6
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	47.9
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	31.9
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	359
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.5
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6458
60	Investor Owned Utilities	1235	1121	1394	1076	1301	1620	1615	1157	1489	2016	1602	2173	2457	1716	1582
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1572	1271	1006	1201	1671	1621	1435	1201	1212	1219	1120	1691	1574	1579	1400
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14318**	**12972**	**11840**	**10698**

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.3
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.5
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1115
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.72
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.4
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.0
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.2
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1942
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.5
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	494	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.3
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	481
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.8
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.8
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.88
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	572
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.4
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.7
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	32.0
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	360
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.6
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6461
60	Investor Owned Utilities	1235	1121	1394	1076	1301	1620	1615	1157	1489	2016	1602	2173	2457	1716	1584
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1572	1271	1006	1201	1671	1621	1435	1201	1212	1219	1120	1691	1574	1579	1400
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14318**	**12972**	**11840**	**10703**

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.3
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.5
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1115
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.72
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.4
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.0
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.2
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1942
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.5
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	495	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.3
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	481
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.8
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.8
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.88
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	572
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.4
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.7
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	32.0
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	360
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.6
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6461
60	Investor Owned Utilities	1235	1121	1394	1076	1301	1620	1615	1157	1489	2016	1602	2173	2457	1716	1584
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1572	1271	1006	1201	1671	1621	1435	1201	1212	1219	1120	1691	1574	1579	1400
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14318**	**12972**	**11840**	**10703**

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Regulated Hydro															
1	Idle Capacity Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Albeni Falls	18.5	16.8	20.4	32.6	19.5	19.7	14.6	12.3	12.7	26.3	19.7	38.7	43.5	35.7	24.3
3	Alder	37.1	14.7	0	0	0	0.45	45.0	20.9	24.7	30.3	0	26.7	37.0	21.8	18.1
4	Bonneville	186	138	391	415	542	551	493	462	489	368	183	411	327	238	396
5	Boundary	164	149	191	372	254	287	201	164	171	468	252	611	809	412	333
6	Box Canyon Dam	27.2	25.0	30.9	55.6	39.6	44.3	32.1	26.9	27.8	65.3	39.6	73.4	66.0	57.1	44.5
7	Brownlee	156	159	172	155	162	167	217	164	204	203	205	229	196	175	184
8	Cabinet Gorge	39.7	35.4	43.0	49.1	38.0	78.3	55.6	37.8	34.7	119	91.4	194	217	110	83.5
9	Chelan Lake	56.6	36.4	14.6	55.0	55.2	5.27	55.6	54.9	54.2	5.23	4.23	4.25	55.8	56.8	38.5
10	Chief Joseph	1454	1152	769	893	1278	1278	1069	900	895	932	1070	1478	1125	1366	1115
11	Cushman 1	36.4	30.5	3.25	3.20	3.14	3.25	24.1	12.1	8.99	2.54	2.76	3.06	3.47	3.70	8.72
12	Cushman 2	67.3	61.8	0.03	0.10	0.33	0.49	54.9	29.9	22.2	0.20	0.20	0.13	0.10	0.03	14.4
13	Diablo	27.8	53.4	99.8	55.0	89.0	67.1	157	120	35.5	57.6	73.1	59.9	93.4	106	82.0
14	Dworshak	448	338	185	57.9	57.7	57.5	57.3	57.0	57.0	57.4	58.3	64.0	212	449	143
15	Faraday	8.08	7.53	8.57	7.58	6.25	16.1	8.89	16.6	31.4	43.0	42.5	40.8	16.8	13.5	18.1
16	Gorge	37.2	64.6	114	65.3	101	81.5	167	131	47.9	72.7	88.1	78.3	118	124	96.2
17	Grand Coulee	2623	2034	1350	1603	2301	2278	1887	1573	1533	1539	1722	2367	1922	2485	1942
18	Hells Canyon	124	129	143	130	133	133	173	133	165	161	168	190	161	137	149
19	Hungry Horse	63.4	63.2	72.9	81.7	86.4	86.9	88.0	87.1	84.8	64.4	26.3	27.4	78.8	114	76.4
20	Ice Harbor	109	140	118	108	104	114	122	125	178	179	180	312	255	150	158
21	John Day	750	604	620	667	925	917	799	735	814	793	727	1041	912	799	806
22	Kerr	44.9	44.9	61.7	76.4	55.3	137	95.3	60.2	44.0	170	106	147	178	138	98.2
23	La Grande	63.3	32.1	0	0	0	0.64	63.3	44.2	55.6	61.9	0	43.5	55.2	32.9	31.1
24	Libby	187	187	177	93.9	267	175	87.8	87.0	86.2	85.7	85.7	517	220	185	181
25	Little Falls	9.53	9.35	19.6	7.94	8.70	13.0	17.6	10.2	23.2	29.6	32.9	32.5	34.9	15.4	18.6
26	Little Goose	113	151	129	108	105	112	124	111	170	212	268	485	275	147	179
27	Long Lake	24.1	23.7	46.6	20.6	22.3	31.9	40.9	23.6	50.4	67.1	72.2	72.5	72.5	37.3	42.7
28	Lower Baker	66.9	29.1	0	0	0	0	44.4	11.6	29.0	10.0	1.33	36.1	70.2	58.9	25.5
29	Lower Granite	117	154	133	102	103	113	125	112	172	205	273	494	272	91.4	175
30	Lower Monumental	84.5	153	124	111	106	116	125	129	183	232	292	514	291	99.2	182
31	Mayfield	27.0	20.2	93.9	55.4	55.4	55.4	136	48.8	96.7	69.9	69.9	8.36	94.8	69.1	67.3
32	McNary	358	285	423	453	597	591	521	478	508	459	396	590	477	379	481
33	Merwin	19.7	17.0	83.9	13.7	34.5	67.2	80.6	35.0	77.6	107	35.8	28.8	64.7	33.4	50.8
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	10.2
35	Mossyrock	50.1	38.4	168	81.1	79.1	57.8	186	32.4	76.9	40.0	37.2	0	162	126	87.8
36	Nine Mile	5.79	5.79	13.5	4.59	5.28	9.26	8.38	6.15	13.7	21.5	20.6	20.4	21.4	10.7	11.7
37	North Fork	9.00	8.38	9.54	8.44	6.95	17.9	9.90	18.5	34.9	54.0	47.3	54.0	43.0	15.0	23.1
38	Noxon Rapids	54.6	54.2	63.3	72.6	56.2	119	84.5	56.3	51.3	181	132	290	335	161	125
39	Oak Grove	21.0	16.9	26.7	24.7	17.3	20.1	17.0	17.7	24.5	33.7	33.7	33.7	33.7	25.0	24.4
40	Oxbow	64.4	66.8	74.1	67.3	68.5	67.6	88.2	67.3	81.8	79.9	79.6	88.2	75.5	69.7	74.5
41	Pelton	34.7	34.7	37.5	37.6	35.9	32.7	30.5	33.8	35.5	43.6	35.8	37.2	36.4	38.0	35.8
42	Pelton Rereg	8.09	8.09	6.64	8.88	8.43	7.56	6.96	7.86	8.30	10.5	8.40	8.77	8.54	8.99	8.21
43	Post Falls	1.38	1.61	8.60	1.29	1.73	5.27	5.07	2.49	8.87	15.2	13.6	13.3	15.2	4.78	6.88
44	Priest Rapids	429	302	309	367	520	522	451	377	375	373	274	463	430	424	411
45	River Mill	4.64	4.32	4.91	4.35	3.58	9.21	5.10	9.51	18.0	19.3	19.3	17.3	13.6	7.75	9.74
46	Rock Island	319	313	250	284	354	350	323	285	285	285	298	365	323	317	312
47	Rocky Reach	670	568	394	469	657	645	556	472	472	475	543	763	641	653	572
48	Ross	0	36.2	100	53.4	98.0	66.9	166	109	26.9	42.1	52.9	38.8	60.4	87.1	72.4
49	Round Butte	86.2	86.2	94.0	94.2	88.9	79.4	73.3	82.4	86.9	109	88.6	93.2	90.9	95.6	88.7
50	Swift 1	31.0	26.3	109	0.03	70.0	70.1	72.1	25.7	64.2	104	0.02	27.4	143	57.9	59.8
51	Swift 2	9.02	7.67	36.8	0.01	26.8	28.7	31.7	12.2	30.6	48.3	0.01	9.81	41.5	15.9	22.2
52	The Dalles	500	401	498	530	723	744	649	604	650	599	492	699	612	536	603
53	Thompson Falls	30.5	29.3	34.6	38.1	32.0	52.8	40.5	32.5	29.7	67.1	52.7	83.3	79.3	62.0	48.0
54	Upper Baker	28.4	22.5	20.9	6.03	31.7	21.1	42.5	8.95	22.1	0	0	39.9	103	60.7	32.0
55	Upper Falls	5.05	5.23	9.73	3.96	4.72	8.65	8.19	5.23	9.78	9.40	8.81	8.74	9.26	9.52	7.68
56	Wanapum	441	344	245	301	479	481	394	318	316	313	258	477	441	436	381
57	Wells	441	359	256	296	421	421	352	297	295	300	326	454	379	424	360
58	Yale	22.7	19.3	94.6	0	50.1	89.6	70.4	32.2	75.5	98.2	48.0	0	108	42.0	54.6
	Total Regulated Hydro															
59	Federal Entities	7011	5817	5010	5255	7216	7154	6161	5471	5833	5753	5794	9038	7021	7075	6461
60	Investor Owned Utilities	1235	1121	1394	1076	1301	1620	1615	1157	1489	2016	1602	2173	2457	1716	1584
61	Marketer	474	401	324	376	508	500	435	377	378	388	368	528	470	472	432

Table A-7: Regional: Regulated Hydro

Operating Year 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
62	Municipality	526	514	781	699	699	640	1216	725	580	858	586	888	1450	999	826
63	Public Utility District	1572	1271	1006	1201	1671	1621	1435	1201	1212	1219	1120	1691	1574	1579	1400
64	**Total Regulated Hydro**	**10819**	**9123**	**8515**	**8606**	**11396**	**11535**	**10861**	**8930**	**9492**	**10235**	**9471**	**14318**	**12972**	**11840**	**10703**

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Exhibit 27
Table A-8: Regional Independent Hydro

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

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
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	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

Table A-8: Regional: Independent Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

Table A-8: Regional: Independent Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.65
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.0
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.61
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.2
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.27
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.83
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.30
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.8
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	42.9
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	36.0
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	2.92
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.44
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.2
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	29.9
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.54
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.0
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.87
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	5.84
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	6.97
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.54
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.21
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	1.03
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	11.7
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	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	4.45
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.27
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.73
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	3.39
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	7.21
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	536
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1050**

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
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	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.65
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.0
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.61
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.2
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.27
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.83
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.30
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.8
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	42.9
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	36.0
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	2.92
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.44
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.2
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	29.9
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.54
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
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	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.0
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.87
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	5.84
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	6.97
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.54
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.21
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	1.03
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	11.7
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	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	4.45
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.27
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.73
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	3.39
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	7.21
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	536
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1050**

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	361	358	332	322	271	179	145	152	252	435	445	718	664	403	354
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	69.8	76.5	70.8	57.7	53.7	75.6	75.6	86.2	97.7	102	104	144	175	102	92.9
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	361	358	332	308	255	158	123	132	237	425	435	712	654	391	342
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	69.8	76.5	70.8	70.9	70.2	97.1	97.8	107	112	112	114	151	185	115	105
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	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	43.2
2	Anderson Ranch	28.8	28.8	9.23	4.19	4.36	4.27	4.31	4.76	4.31	9.41	9.41	11.8	37.0	33.2	13.0
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	5.83
4	Ashton	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	4.50
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	0.45
6	Big Cliff	6.00	6.00	9.00	8.00	13.0	6.00	4.00	6.00	7.00	9.00	11.0	20.0	20.0	7.00	9.66
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	2.71
8	Black Canyon	8.53	8.53	8.53	5.45	3.61	2.98	3.27	3.53	4.19	8.53	8.53	8.53	8.53	8.53	6.19
9	Bliss	38.7	38.7	40.2	36.4	31.7	31.3	29.4	32.9	30.6	39.2	39.2	35.9	36.3	38.1	35.1
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	1.12
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	0.30
12	Carmen-Smith	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	17.0
13	Cascade	11.2	11.2	10.4	8.97	8.88	8.80	8.67	8.64	8.45	7.96	7.96	7.66	7.55	8.97	8.84
14	Cedar Falls	3.18	1.96	2.24	1.96	1.21	8.50	9.25	10.2	15.1	9.81	12.2	14.5	27.9	4.39	9.04
15	Chandler	2.21	2.21	2.00	5.70	7.34	3.38	5.51	7.47	9.80	6.06	6.06	5.97	5.80	6.09	5.60
16	CJ Strike	42.7	42.7	44.4	40.2	35.0	34.5	32.5	36.3	33.8	43.3	43.3	39.6	40.1	42.0	38.7
17	Clear Lake	2.25	2.25	2.09	1.81	1.79	1.77	1.75	1.74	1.70	1.60	1.60	1.54	1.52	1.81	1.78
18	Cougar	23.0	22.0	16.0	27.0	23.0	9.00	6.00	8.00	10.00	29.0	29.0	29.0	29.0	17.0	18.8
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	26.2
20	Detroit	11.7	11.5	20.2	44.9	47.5	20.9	21.7	17.7	25.3	34.6	37.2	102	37.9	13.0	33.3
21	Dexter	5.00	7.00	6.00	12.0	16.0	4.00	3.00	5.00	5.00	12.0	17.0	17.0	17.0	6.00	9.29
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	0.36
23	Electron	11.2	10.2	10.3	9.05	5.90	17.8	8.47	12.3	18.9	19.8	21.7	21.7	21.8	17.2	14.6
24	Felt Hydro Project	3.60	3.60	3.77	3.53	3.64	3.05	2.51	2.73	3.40	3.38	3.38	5.12	6.46	4.81	3.84
25	Foster	6.00	6.00	12.0	10.00	7.00	9.00	4.00	9.00	21.0	19.0	18.0	21.0	23.0	6.00	12.2
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	8.28
27	Grace	27.5	25.8	22.5	19.3	20.0	19.3	19.3	21.4	21.8	27.5	27.5	26.6	27.5	26.6	23.2
28	Green Peter	15.0	15.0	29.0	18.0	16.0	18.0	8.00	0	33.0	88.0	45.0	58.0	49.0	11.0	26.9
29	Green Springs	7.94	7.94	6.90	5.02	5.95	6.34	6.94	6.74	7.97	8.26	8.26	8.78	8.98	8.01	7.32
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	0.22
31	Henry M Jackson	18.4	18.4	20.0	21.1	18.6	79.7	32.9	15.6	41.6	64.6	64.6	73.5	81.8	45.9	43.0
32	Hills Creek	9.00	9.00	23.0	23.0	27.0	5.00	4.00	6.00	7.00	20.0	31.0	35.0	35.0	14.0	17.8
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	0.32
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	4.14
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	4.14
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	1.55
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	4.14
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	2.30
39	John Boyle	0	0	9.28	33.2	39.6	44.7	45.1	52.1	78.0	82.0	82.0	28.3	20.7	0	35.9
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	2.93
41	Last Chance	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	0.90
42	Leaburg	5.70	4.10	3.60	0	0	7.10	4.00	11.7	11.7	11.7	11.7	11.7	13.0	10.2	7.43
43	Lookout Point	21.0	26.0	22.0	45.0	47.0	9.00	8.00	12.0	15.0	45.0	74.0	85.0	73.0	24.0	35.3
44	Lost Creek	44.0	39.0	23.0	37.0	19.0	19.0	18.0	13.0	14.0	15.0	16.0	56.0	56.0	46.0	30.0
45	Lower Malad	12.2	12.2	11.3	9.76	9.67	9.58	9.44	9.41	9.20	8.66	8.66	8.34	8.22	9.76	9.63
46	Lower Salmon Falls	31.0	31.0	32.2	29.1	25.4	25.0	23.5	26.3	24.5	31.3	31.3	28.7	29.0	30.5	28.0
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	6.55
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	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	27.8
50	Minidoka	20.7	20.7	15.2	6.48	2.39	2.32	2.32	2.57	2.32	10.3	10.3	24.6	22.7	21.7	11.2
51	Movie River	1.10	1.10	0.92	1.33	1.32	0.63	0.47	0.81	1.59	2.71	2.71	4.39	4.34	2.95	1.88
52	Newhalem	0.22	0.14	0.16	0.14	0.09	0.60	0.65	0.71	1.06	0.69	0.86	1.01	1.95	0.31	0.63
53	North Umpqua	79.7	79.7	76.2	72.8	70.2	73.7	70.2	78.8	81.4	121	121	146	139	91.7	91.7
54	Oneida	7.46	7.00	6.11	5.25	5.42	5.25	5.25	5.81	5.92	7.46	7.46	7.22	7.46	7.22	6.30
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	11.9
56	Palisades	118	118	105	45.5	11.3	11.2	11.4	12.8	28.2	51.7	51.7	152	151	127	69.2
57	Paris	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
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	0.17
59	Rogue	32.7	32.7	30.0	27.0	26.2	28.4	24.9	26.8	40.3	50.0	50.0	50.6	50.6	41.6	35.8
60	Roza	10.6	10.6	3.46	4.08	1.15	4.09	2.59	3.12	9.41	11.4	11.4	10.8	10.9	10.6	6.88
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	5.84
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	6.99
63	Snoqualmie Falls	23.6	21.7	21.9	19.2	12.5	37.7	17.9	26.1	39.9	41.9	45.8	46.1	46.1	36.4	30.9

Table A-8: Regional: Independent Hydro

Operating Year 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Soda Creek 4	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	0.22	0.22
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	0.28
66	Soda Point	3.56	3.33	2.91	2.50	2.58	2.50	2.50	2.77	2.82	3.56	3.56	3.44	3.55	3.44	3.00
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	6.55
68	Stone Creek	6.50	4.30	8.70	2.20	0.80	2.50	8.50	3.50	6.30	10.4	10.4	8.30	10.4	7.60	6.22
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	1.03
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	11.7
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	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	4.46
73	Thousand Springs	7.93	7.93	7.35	6.36	6.31	6.25	6.15	6.13	6.00	5.65	5.65	5.43	5.36	6.36	6.28
74	Trail Bridge	3.80	3.80	3.80	3.80	3.80	3.80	3.80	3.60	3.80	3.80	3.80	3.80	2.50	3.80	3.68
75	TW Sullivan	12.5	11.1	12.5	11.1	10.7	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	14.1
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	24.6
77	Upper Malad	7.48	7.48	6.93	6.00	5.95	5.89	5.80	5.78	5.65	5.33	5.33	5.13	5.05	6.00	5.92
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	8.41
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	7.71
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	0.51
81	Walterville	4.00	3.10	2.90	0	0	5.00	3.10	8.70	9.50	9.50	9.50	9.50	9.50	7.70	5.72
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	3.38
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	7.22
	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	7.12
85	Federal Entities	351	349	321	308	255	158	123	132	237	425	435	712	654	391	340
86	Investor Owned Utilities	507	501	513	488	451	500	452	508	556	685	691	626	616	539	537
87	Municipality	79.6	86.3	81.4	70.9	70.2	97.1	97.8	107	112	112	114	151	185	115	107
88	Public Utility District	45.6	44.6	35.5	34.3	31.7	91.4	44.4	27.1	54.8	78.0	78.0	98.4	107	72.6	60.2
89	**Total Independent Hydro**	**991**	**988**	**957**	**906**	**813**	**851**	**722**	**779**	**966**	**1307**	**1327**	**1598**	**1574**	**1127**	**1051**

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Exhibit 28
Table A-9: Regional Small Hydro

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	3.08	3.08	2.78	1.85	2.78	2.78	2.99
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.81
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

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Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	171	143	120	125	116	107	111	135	182	183	219	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2014 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**336**	**256**	**179**	**137**	**129**	**118**	**124**	**157**	**285**	**294**	**417**	**453**	**435**	**253**

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	1.85	2.47	3.39	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	3.08	3.08	2.78	3.12
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.81
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	169	170	144	120	125	116	107	112	135	182	183	220	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2015 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**336**	**335**	**256**	**178**	**137**	**129**	**119**	**125**	**157**	**285**	**294**	**418**	**453**	**435**	**253**

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	1.85	2.78	2.78	1.85	2.47	3.39	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.93
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	0.56
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.80
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.13
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.16
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.47
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.90
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.02
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.37
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.33
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.55
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.80
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.16
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.81

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.71
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.82
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.70
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.60
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.41	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.1
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.43	0.45	0.45	0.45	0.45	0.45	0.45	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.56
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.13
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.24	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	169	170	143	118	125	117	107	112	135	183	184	220	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2016 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	74.9
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**336**	**335**	**255**	**177**	**136**	**129**	**119**	**125**	**157**	**285**	**294**	**418**	**453**	**435**	**253**

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.81
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	170	143	118	125	116	107	112	135	183	184	220	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2017 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**335**	**255**	**177**	**136**	**128**	**119**	**125**	**157**	**285**	**294**	**418**	**453**	**435**	**253**

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.81
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	170	143	118	125	116	107	112	135	183	184	220	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2018 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**335**	**255**	**177**	**136**	**128**	**119**	**125**	**157**	**285**	**294**	**418**	**453**	**435**	**253**

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	4.33
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.94	0.91
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	8.30	8.30	8.30	8.30	8.30	8.30	8.30	18.7	7.69
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	170	143	118	125	116	108	116	138	176	182	218	218	208	155

Table A-9: Regional: Small Hydro

Operating Year 2019 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**335**	**255**	**177**	**136**	**129**	**119**	**129**	**161**	**279**	**293**	**416**	**437**	**433**	**252**

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
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	0.56
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.18
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.13
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91	1.91
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.16
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.47
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	1.00	0.80	0.43	0.33	0.27	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.82
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.90
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.02
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.37
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.33
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.55
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.80
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.16
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.81

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.71
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.82
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.70
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.60
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.41	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.1
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.43	0.45	0.45	0.45	0.45	0.45	0.45	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.23
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.56
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.13
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.24	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	169	139	116	124	116	107	112	135	183	184	220	234	210	155

Table A-9: Regional: Small Hydro

Operating Year 2020 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.25
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	74.9
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**334**	**252**	**175**	**135**	**129**	**119**	**125**	**157**	**285**	**294**	**418**	**453**	**435**	**252**

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.81
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.91	1.91	1.91	1.91	1.91	1.91	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.04	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.31	0.31	0.38	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.35
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	170	143	118	125	116	107	112	135	183	184	220	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2021 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**335**	**255**	**177**	**136**	**128**	**119**	**125**	**157**	**285**	**295**	**418**	**453**	**435**	**253**

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.81
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	170	143	118	125	116	107	112	135	183	184	220	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2022 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**335**	**255**	**177**	**136**	**128**	**119**	**125**	**157**	**285**	**295**	**418**	**453**	**435**	**253**

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Operating Year 2023 Water Year: 1937

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S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Hydro															
1	Albany-Millersburg Hydro Project	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
2	Amy Ranch	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
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	0.16
4	Barber Dam	2.38	2.38	1.93	0.84	0.31	0.97	2.16	2.64	3.28	3.22	3.22	3.14	3.24	3.28	2.28
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	0.02
6	Beaverton	0	0	0	0.02	0.05	0.05	0.05	0.01	0	0.03	0.03	0.05	0	0	0.02
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	0.13
8	Big Elk Creek YMCA Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1.60
10	Bigg's Creek (Pickering Micro)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Billingsley Creek	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
12	Birch Creek (Clark, ID)	0.04	0.04	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.05
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	1.21
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	0.06
15	Black Creek	3.08	3.08	2.78	1.85	2.78	2.78	3.39	3.39	3.08	3.70	3.39	3.08	3.08	2.78	2.96
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	0.57
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	0.20
18	Box Canyon	0.42	0.42	0.40	0.39	0.40	0.31	0.31	0.34	0.28	0.29	0.29	0.28	0.43	0.42	0.36
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	0.60
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	0.18
21	Broadwater	1.11	1.13	1.55	1.91	2.06	1.64	1.58	1.74	1.80	2.76	2.70	3.22	2.74	1.99	2.01
22	Buffalo Hydro	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	0.23
23	Burr & Bouchard	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Burton Creek	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
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	3.81
26	Canyon Creek	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	0.06
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	0.09
28	Carlton	0	0	0	0	0.01	0.05	0.08	0.08	0.06	0.08	0.08	0.04	0.02	0	0.04
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	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	0.71
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	2.14
32	Cereghino	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	0.55	0.55
33	Chester Hydroelectic Plant	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92	1.92
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	0.44
35	Company Creek	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	0.10
36	Cornelius	0	0	0	0	0	0.02	0.01	0.01	0.01	0	0	0	0	0	0
37	Cove	1.98	1.98	2.06	1.33	0.78	0.42	0.34	0.35	0.60	0.80	0.80	1.68	1.88	1.71	1.17
38	Cowiche	0.80	0.80	0.80	0.80	0	0	0	0	0	0	0.80	0.80	0.80	0.80	0.44
39	Crystal Springs	1.34	1.34	1.56	1.51	1.56	0.54	0.54	0.59	0.83	0.86	0.86	0.83	1.38	1.34	1.07
40	Curry Cattle Co.	0.21	0.21	0.22	0.14	0.08	0.05	0.04	0.04	0.07	0.09	0.09	0.18	0.20	0.18	0.12
41	Curtiss Livestock	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.01	0.01	0.01	0.01
42	D. Wiggins	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	Dairy Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Deep Creek	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.02	0.03	0.02	0.01
45	Denny Creek	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	0.04
46	Dietrich Drop	4.67	4.67	3.56	3.09	1.37	0	0	0	0	3.09	3.09	4.67	4.67	4.52	2.48
47	Don Steffen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Donald Jenni	0.07	0.08	0.07	0.07	0.07	0.08	0.08	0.07	0.07	0.07	0.07	0.08	0.07	0.07	0.07
49	Dry Creek	0.94	0.94	1.00	0.80	0.43	0	0.33	0.27	0.37	0.41	0.41	0.90	2.66	2.09	0.85
50	Dworshak-Clearwater Hatchery	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63	2.63
51	Eagle Creek	0	0	0	0.02	0.01	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.02	0.01	0.02
52	Ebey Hill (Kevin Duncan)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Elk Creek	1.19	1.19	0.01	0.01	0.01	0.10	0.10	0.11	1.00	1.04	1.04	1.00	1.23	1.19	0.59
54	Eltopia Branch Canal 4.6	1.80	1.80	1.20	0.60	0	0	0	0	0	1.40	1.40	2.00	2.00	2.20	0.94
55	Esquatzel Small Hydro	0.90	0.90	0.80	0.80	0.60	0.60	0.60	0.60	0.60	0.70	0.70	0.70	0.80	0.90	0.72
56	Estacada	0.07	0.07	0.10	0.07	0.08	0.04	0.09	0.09	0.06	0.09	0.09	0.08	0.10	0.09	0.08
57	Falls Creek (Or)	0	0	0	0	1.88	3.08	0.91	2.72	2.66	4.35	4.35	4.11	3.82	0	1.95
58	Falls Creek (Wa)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
59	Falls River Hydro	6.46	6.46	6.29	5.72	5.58	4.96	4.18	3.75	3.79	6.22	6.22	7.91	8.55	7.08	5.88
60	Farmers Irr Dist Proj No 2	0.35	0.35	0.45	0.77	2.02	2.00	1.34	2.88	2.04	2.19	2.19	2.96	0.52	0.45	1.49
61	Farmers Irr Dist Proj No 3	0.21	0.21	0.27	0.46	1.21	1.20	0.81	1.73	1.22	1.32	1.32	1.77	0.31	0.27	0.89
62	Faulkner Ranch	0.82	0.82	0.71	0.69	0.71	0.30	0.30	0.34	0.54	0.56	0.56	0.54	0.85	0.82	0.60
63	Fisheries Development #1	0.24	0.24	0.26	0.22	0.27	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.24	0.23	0.25

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S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Flying W	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Ford	0	0	0	0	0.30	0.50	0.90	0.90	1.10	1.10	1.10	0.70	0.30	0.10	0.49
66	Forgy	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	0.05
67	Galesville	0.63	0.63	0.38	0.18	0.17	0.26	0.01	0.25	0.35	0.43	0.43	0.33	0.35	0.54	0.32
68	Geo-Bon #2	0.97	0.97	0.35	0.34	0.35	0.24	0.24	0.26	0.59	0.61	0.61	0.59	1.00	0.97	0.54
69	Georgetown	0	0	0.24	0.30	0.32	0.31	0.28	0.27	0.25	0.28	0.28	0.34	0.22	0	0.23
70	Gillihan	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
71	Ground Water Pumping Station	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	2.50
72	Hailey	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
73	Hazelton A	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
74	Hazelton B	6.61	6.61	5.15	2.36	0.67	0	0	0	0.06	2.23	2.23	5.64	6.41	6.97	3.03
75	Hettinger	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90
76	Horseshoe Bend	8.79	8.79	7.55	3.91	2.78	3.50	3.86	4.65	5.89	8.81	8.81	9.93	9.80	9.22	6.56
77	Hutchinson Creek	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
78	James Boyd	0	0	0	0	0	0.37	0.34	0.58	0.69	0.81	0.81	0.50	0	0	0.27
79	James White	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.30	0.20	0.20	0.14
80	Jim Knight	0.36	0.36	0.25	0.25	0.25	0.09	0.09	0.10	0.25	0.25	0.25	0.25	0.37	0.36	0.24
81	John Day Creek	0.20	0.20	0.20	0.20	0.20	0.20	0.30	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.21
82	Joseph Hydro	1.45	1.45	0.86	0.45	0.12	0.07	0.06	0.03	0.03	0.06	0.06	0.18	1.20	2.69	0.60
83	Juniper Ridge Hydro	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37	3.37
84	Kasel-Withersppon	0.90	0.90	0.94	0.60	0.36	0.19	0.15	0.16	0.27	0.36	0.36	0.76	0.85	0.78	0.53
85	Kaster Riverview	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	0.08
86	Koma Kulshan	4.60	4.60	4.30	6.40	8.00	6.10	3.90	3.80	4.40	6.90	6.90	9.40	10.4	8.20	6.38
87	Koyle Ranch Power	1.05	1.05	1.14	0.99	1.04	0.16	0.15	0.06	0.32	0.82	0.82	1.25	0.78	0.94	0.73
88	L & M Angus Ranch	0.23	0.23	0.28	0.32	0.51	0.50	0.41	0.42	0.45	0.40	0.40	0.35	0.27	0.27	0.37
89	Lacomb	0	0	0	0	0.21	0.97	0.22	0.89	0.89	1.05	1.05	0.95	0.88	0.42	0.54
90	Lake Creek (OR)	0.03	0.03	0.03	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	Lake Oswego	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
92	Lateral #10	1.21	1.21	1.25	1.60	1.65	1.21	1.21	1.34	1.41	1.45	1.45	1.41	1.25	1.21	1.35
93	Le Moyne	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
94	Lee Tavenner	0.06	0.06	0.08	0.08	0.07	0.10	0.13	0.10	0.08	0.09	0.08	0.08	0.07	0.05	0.08
95	Little Butte Ranch	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
96	Little Mac	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	1.10
97	Little Wood River Ranch	1.94	1.94	0.21	0.20	0.21	0	0	0	1.61	1.66	1.66	1.61	2.00	1.94	0.95
98	Little Wood River Reservoir	0.73	0.73	0.44	0.42	0.44	0.20	0.20	0.22	0.44	0.45	0.45	0.44	0.75	0.73	0.46
99	Low line Canal Drop	7.82	7.82	7.50	7.26	7.50	0.63	0.63	0.70	5.28	5.45	5.45	5.28	8.08	7.82	5.35
100	Low Line Midway	2.00	2.00	0	0	0	0	0	0	0	0	0	0	2.00	2.00	0.50
101	Lower Low line	2.69	2.69	2.48	1.80	1.45	0	0	0.68	1.88	2.48	2.48	2.69	2.69	2.69	1.80
102	Loyd F. Fery Farms	0.03	0.03	0.03	0.04	0.04	0.02	0.04	0.04	0.03	0.03	0.04	0.03	0.03	0.04	0.03
103	LQ-LS Drains	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88	0.88
104	Lucky Peak	28.6	26.8	19.9	4.50	0	0.70	0	1.50	1.60	11.4	11.4	67.7	75.2	73.0	23.7
105	Magic Dam	6.82	6.82	4.40	0.49	0.17	0.10	0.25	0.15	0.86	2.99	2.99	8.25	9.08	8.96	3.56
106	Main Canal Headworks	20.4	20.4	12.2	5.20	0	0	0	0	2.80	13.6	13.6	18.2	21.2	23.6	9.82
107	Marsh Valley	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
108	Meyers Falls	0.77	0.77	0.69	0.46	0.69	0.69	0.46	0.61	0.84	0.84	0.84	0.77	0.92	0.84	0.72
109	Meyers Falls 1910	0.23	0.23	0.21	0.14	0.21	0.21	0.14	0.19	0.26	0.26	0.26	0.23	0.28	0.26	0.22
110	Middle Fork Irrigation District	1.84	1.84	0.77	1.24	1.31	1.66	2.72	3.09	3.08	2.93	2.93	2.84	2.42	1.98	2.15
111	Mile 28	1.32	1.32	1.23	0.69	0.18	0	0	0	0	0.62	0.62	1.20	1.29	1.36	0.66
112	Mill Creek (Cove Hydro)	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
113	Minikahda	0	0	0	0	0.04	0.05	0.05	0.08	0.05	0.07	0.07	0.07	0	0.01	0.03
114	Mink Creek	1.18	1.18	0.83	0.62	0.56	0.50	0.40	0.39	0.25	0.41	0.41	1.65	2.69	1.61	0.93
115	Mitchell Butte	1.05	1.05	1.07	0.42	0	0	0	0	0.28	0.83	0.83	1.24	1.25	1.09	0.60
116	Morse Creek	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	0.23
117	Mt. Tabor	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	0.08
118	Mud Creek	0.50	0.50	0.65	0.66	0.74	0.60	0.47	0.53	0.50	0.50	0.50	0.49	0.44	0.50	0.55
119	N-32 Canal	1.12	1.12	1.15	1.12	1.15	0	0	0	1.12	1.15	1.15	1.12	1.15	1.12	0.85
120	Nichols Gap	0	0	0	0	0.42	0.62	0.19	0.55	0.58	0.40	0.40	0.02	0.01	0	0.23
121	Nicholson	0.22	0.22	0.16	0.21	0.19	0.20	0.14	0.21	0.19	0.16	0.16	0.19	0.23	0.22	0.19
122	North Fork Sprague	0.03	0.03	0.07	0.01	0	0.05	0.15	0.26	0.16	0.27	0.27	0.92	0.45	0.15	0.21
123	North Willow Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	O. J. Power Company	0.01	0.01	0.07	0.03	0.05	0.05	0.06	0.07	0.08	0.07	0.07	0.08	0.11	0.10	0.06
125	Odell Creek	0.03	0.03	0.04	0.04	0.01	0.03	0.02	0.03	0.04	0.05	0.05	0.01	0	0.03	0.03
126	Opal Springs	2.63	2.63	2.95	3.62	3.16	2.94	2.94	3.51	2.60	2.71	2.71	4.47	1.62	2.23	2.95
127	Orchard Avenue	0.79	0.79	0.79	0.79	0	0	0	0	0	0	0.79	0.79	0.79	0.79	0.43
128	Owyhee Dam	2.78	2.78	1.99	0.59	0	0	0.24	0.64	1.76	3.35	3.35	3.88	3.33	3.16	1.82

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
129	Owyhee Tunnel No 1	4.27	4.27	2.56	0.54	0	0	0	0	2.35	5.10	5.10	5.83	5.85	5.93	2.72
130	Pancheri	0	0	0.01	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0	0.01	0.01
131	PEC Headworks	4.50	4.50	3.10	2.20	0	0	0	0	0.40	5.10	5.10	6.50	6.20	5.80	2.83
132	Phillips Ranch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	Phillipsburg	0.03	0.03	0.04	0.04	0.03	0.05	0.07	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.04
134	Pine Creek	0.08	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.08	0.08	0.08	0.09	0.08	0.08	0.08
135	Portland Hydro Project	2.34	2.34	2.92	6.66	16.2	19.9	18.4	17.2	16.4	17.4	17.4	15.1	8.42	3.16	12.0
136	Portneuf River	0.24	0.24	0.11	0.05	0.10	0.11	0	0	0	0	0	0.22	0.58	0.38	0.15
137	Potholes East Canal	1.80	1.80	1.80	1.60	0	0	0	0	0.60	1.80	1.80	1.80	1.80	1.80	1.09
138	Preston	0.37	0.38	0.37	0.36	0.35	0.35	0.37	0.37	0.38	0.37	0.38	0.31	0.31	0.38	0.36
139	Pristine Springs	0.28	0.28	0.41	0.43	0.31	0.33	0.28	0.25	0.27	0.35	0.35	0.37	0.32	0.28	0.32
140	Quincy Chute	7.70	7.70	4.00	2.30	0	0	0	0	0.80	5.50	5.50	7.10	8.40	8.50	3.71
141	Ravenscroft Ranch	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	0.35	0.35
142	Reynolds Irrigation District	0.15	0.15	0.25	0.24	0.25	0.24	0.24	0.26	0.20	0.21	0.21	0.20	0.16	0.15	0.21
143	Rim View	0.17	0.17	0.25	0.26	0.19	0.20	0.17	0.15	0.16	0.22	0.22	0.23	0.20	0.17	0.20
144	Rock Creek #1	1.13	1.13	1.63	1.73	1.24	1.33	1.11	1.00	1.08	1.42	1.42	1.48	1.29	1.13	1.30
145	Rock Creek No 2	1.82	1.82	1.84	1.89	1.87	1.87	0.63	0.40	1.63	1.87	1.87	1.87	1.87	1.64	1.61
146	Rocky Brook	0	0	0	0.04	0.21	0.56	0.58	0.42	0.47	0.46	0.46	0.20	0.09	0	0.25
147	Russell D. Smith	4.00	4.00	2.60	1.40	0	0	0	0	0.20	2.40	2.40	3.80	4.20	3.40	1.84
148	Sagebrush	0.40	0.40	0.26	0.25	0.26	0.08	0.08	0.09	0.26	0.26	0.26	0.26	0.41	0.40	0.25
149	Sahko	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
150	Schaffner	0.36	0.36	0.26	0.25	0.26	0.14	0.14	0.16	0.29	0.30	0.30	0.29	0.37	0.36	0.26
151	Shingle Creek	0.11	0.11	0.16	0.17	0.12	0.13	0.11	0.10	0.10	0.14	0.14	0.14	0.12	0.11	0.12
152	Shoshone	0.90	0.90	0.92	0.29	0.31	0.05	0.04	0.02	0.10	0.54	0.54	0.84	0.82	0.86	0.47
153	Skookumchuck	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
154	Smith Creek (Washington)	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	0.04
155	Snake River Pottery	0.03	0.03	0.04	0.04	0.04	0.06	0.06	0.07	0.04	0.04	0.04	0.04	0.03	0.03	0.04
156	Snedigar Ranch	0.15	0.15	0.22	0.21	0.22	0.15	0.15	0.17	0.11	0.12	0.12	0.11	0.16	0.15	0.16
157	South Dry Creek	0.52	0.53	0.49	0.50	0	0	0	0	0.50	0.50	0.49	0.58	0.49	0.47	0.34
158	Spencer Lake Hydro	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	0.02
159	Spring Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	Stayton Hydro	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	0.26	0.26
161	Stevenson #1	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	0.06
162	Stevenson #2	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	0.04
163	Strawberry Creek (MT)	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.06
164	Summer Falls	78.8	78.8	48.4	21.6	0	0	0	0	4.80	50.0	50.0	71.4	81.0	87.4	37.2
165	Sunshine	0.10	0.10	0.06	0.06	0.06	0.04	0.04	0.05	0.07	0.07	0.07	0.07	0.10	0.10	0.07
166	Sygitowicz Creek	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	0.45
167	Thompson's Mills	0.01	0.01	0.01	0.03	0.05	0.06	0.05	0.06	0.06	0.07	0.07	0.05	0.07	0.03	0.05
168	Tiber Dam	7.04	7.04	5.43	2.49	0.91	0	0	0	0.08	2.56	2.56	6.01	6.73	7.45	3.24
169	Tieton Dam (Yakima)	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
170	Trinity	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
171	Twin Falls (WA)	5.00	5.00	0	1.20	9.60	7.90	7.40	4.80	7.80	14.8	14.8	13.2	24.3	18.7	9.57
172	Twin Reservoirs	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	1.10
173	Upper Little Sheep Creek	0.40	0.40	0.30	0.30	0.40	0.50	0.50	0.50	0.90	1.60	1.60	0.80	1.50	1.10	0.73
174	Upper Pine Creek	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	Upriver Dam	3.40	3.40	3.40	4.70	6.70	13.4	14.4	13.0	13.8	12.9	12.9	11.2	11.6	8.40	9.73
176	Walla Walla	1.54	1.54	1.44	1.28	1.17	1.29	1.17	1.53	1.75	1.77	1.77	1.48	1.54	1.76	1.48
177	Water Street	0.02	0.02	0.09	0.14	0.16	0.15	0.10	0.12	0.12	0.16	0.16	0.14	0.14	0.07	0.12
178	Weeks Falls	0.80	0.80	0	0.20	1.70	1.80	1.20	0.60	1.20	2.60	2.60	2.40	4.40	3.50	1.70
179	White Ranch	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
180	White Water Ranch	0.07	0.07	0.08	0.08	0.08	0.10	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.08
181	Wilson Lake	7.07	7.07	5.27	2.00	0.25	0	0	0	0.03	2.32	2.32	6.05	6.83	7.63	3.14
182	Wisconsin Noble	0.04	0.04	0.05	0.05	0.04	0.06	0.08	0.06	0.05	0.05	0.05	0.05	0.04	0.03	0.05
183	Wolf Creek	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	0.06
184	Woods Creek	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	0.13	0.13
185	Yakama Drop 2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
186	Yakama Drop 3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
187	Youngs Creek	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	2.00
188	Zena Creek Ranch	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	0.02
Total Small Hydro																
189	Cooperative	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44	2.44
190	Federal Entities	2.83	2.83	2.83	2.87	3.04	3.39	3.41	3.25	3.30	3.29	3.29	3.03	2.92	2.83	3.08
191	Investor Owned Utilities	170	170	143	118	125	116	107	112	135	183	184	220	234	210	156

Table A-9: Regional: Small Hydro

Operating Year 2023 Water Year: 1937

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

S104-WB-20121129-173308 Continued

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
192	Marketer	7.81	7.81	7.81	7.81	0	0	0	0	0	0	7.81	7.81	7.81	7.81	4.26
193	Municipality	136	134	86.6	35.4	0.49	1.19	0.49	1.99	10.5	81.1	81.1	165	186	192	75.1
194	Public Utility District	17.9	17.9	12.7	10.1	5.38	5.38	5.38	5.38	6.58	16.1	16.1	19.1	20.2	20.0	12.0
195	**Total Small Hydro**	**337**	**335**	**255**	**177**	**136**	**128**	**119**	**125**	**157**	**285**	**294**	**418**	**453**	**435**	**253**

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Exhibit 29
Table A-10: Regional Combustion Turbines

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

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	19.3	19.3	19.9	20.9	20.9	20.7
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	227	455	455	435
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	0	0	18.1	3.08
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	148	148	68.0	134	130	138
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1962	2004	2033	2325	2304	2034	2019	1954	1902	1416	1959	2147	2026
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	227	1093	1108	1033
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3413**	**3472**	**3513**	**3811**	**3790**	**3519**	**3489**	**3375**	**3324**	**1743**	**3399**	**3586**	**3390**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.9	20.9	20.9	20.9	20.9	20.9	20.9	18.8	20.5	20.9	20.9	20.9	20.0	17.4	20.3
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	227	455	455	435
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	0	0	18.1	3.08
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	148	148	68.0	134	130	138
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1962	2004	2033	2325	2304	2031	2019	1955	1904	1417	1958	2143	2025
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	227	1093	1108	1033
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3413**	**3472**	**3513**	**3811**	**3790**	**3517**	**3488**	**3377**	**3326**	**1744**	**3398**	**3583**	**3390**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.4
6	Boulder Park	17.4	17.4	20.9	20.9	17.4	17.4	20.0	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.0
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.4
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.7
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.6
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	227	455	455	435
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.2
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	13.3	0	18.1	4.20
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	74.1	74.1	68.0	134	130	132
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2168	2168	1962	2004	2029	2322	2303	2034	2019	1881	1830	1430	1959	2147	2020
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	227	1093	1108	1033
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3607**	**3607**	**3413**	**3472**	**3509**	**3807**	**3789**	**3519**	**3489**	**3303**	**3252**	**1758**	**3399**	**3586**	**3385**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.9	20.9	17.4	17.4	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	18.8	20.1
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	227	455	455	435
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	13.8	0	0	0	0	0	0	0	0	0	18.1	4.25
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	148	148	102	134	130	141
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1959	2014	2033	2325	2304	2034	2019	1955	1904	1451	1959	2145	2029
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	227	1093	1108	1033
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3410**	**3482**	**3513**	**3811**	**3790**	**3519**	**3489**	**3377**	**3326**	**1778**	**3399**	**3584**	**3393**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	18.8	20.9	20.9	20.7
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	227	455	455	435
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	0	0	18.1	3.08
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	148	148	68.0	134	130	138
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1962	2004	2033	2325	2304	2034	2019	1955	1904	1415	1959	2147	2026
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	227	1093	1108	1033
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3413**	**3472**	**3513**	**3811**	**3790**	**3519**	**3489**	**3377**	**3326**	**1742**	**3399**	**3586**	**3390**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	18.8	20.9	20.9	20.9	20.9	20.9	20.7
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	0	0	18.1	3.08
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	74.1	74.1	136	134	130	138
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1962	2004	2033	2325	2304	2034	2017	1881	1830	1485	1959	2147	2025
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	455	1093	1108	1053
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3413**	**3472**	**3513**	**3811**	**3790**	**3519**	**3487**	**3303**	**3252**	**2040**	**3399**	**3586**	**3409**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.4
6	Boulder Park	20.9	20.9	20.9	20.9	20.9	19.3	19.9	20.9	20.9	18.3	18.3	20.9	20.9	19.9	20.4
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.4
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.7
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.6
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.2
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	0	0	18.1	3.07
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	74.1	74.1	68.0	134	130	132
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1962	2004	2033	2323	2303	2034	2019	1878	1827	1417	1959	2146	2019
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	455	1093	1108	1053
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3413**	**3472**	**3513**	**3809**	**3789**	**3519**	**3489**	**3300**	**3249**	**1972**	**3399**	**3585**	**3403**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.9	20.9	19.9	20.9	20.1	19.2	19.2	20.0	20.2	19.2	19.2	20.9	19.9	20.9	20.1
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	0	0	18.1	3.08
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	74.1	74.1	102	134	130	135
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1961	2004	2032	2323	2302	2033	2018	1879	1828	1451	1958	2147	2022
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	455	1093	1108	1053
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3412**	**3472**	**3512**	**3809**	**3788**	**3518**	**3488**	**3301**	**3250**	**2006**	**3398**	**3586**	**3405**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.1	20.1	20.9	20.4	20.9	20.9	20.9	20.9	18.8	20.9	20.9	20.9	20.9	20.9	20.6
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	0	0	18.1	3.08
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	74.1	74.1	85.0	134	130	133
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2171	2171	1962	2003	2033	2325	2304	2034	2017	1881	1830	1434	1959	2147	2021
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	455	1093	1108	1053
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3610**	**3610**	**3413**	**3471**	**3513**	**3811**	**3790**	**3519**	**3487**	**3303**	**3252**	**1989**	**3399**	**3586**	**3405**

Table A-10: Regional: Combustion Turbine Resources

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Combustion Turbine Resources															
1	Basin Creek Project	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00
2	Beaver	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
3	Beaver	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Beaver 8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8
5	Bennett Mountain Peaking Plant	91.8	91.8	0	0	0	102	102	0	0	0	0	0	92.9	91.8	40.5
6	Boulder Park	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	18.8	20.9	20.9	20.9	20.9	20.9	20.7
7	Chehalis Generation Facility	379	379	383	391	398	401	402	400	397	394	394	388	184	379	375
8	Dave Gates Generating Station	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
9	Encogen	162	162	165	170	174	177	178	176	174	171	120	168	165	162	168
10	Evander Andrews Complex	142	142	0	0	0	157	157	0	0	0	0	0	144	141	62.5
11	Danskin 1	46.7	46.7	0	0	0	52.4	52.4	0	0	0	0	0	47.9	46.7	20.8
12	Danskin 2	95.2	95.2	0	0	0	104	104	0	0	0	0	0	96.3	94.6	41.8
13	Finley Combustion Turbine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Frederickson CT	244	244	247	251	255	257	257	256	255	199	199	197	246	244	242
15	Frederickson Power Project	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Fredonia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Fredonia 1 & 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Fredonia 3 & 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Goldendale Energy Center	231	231	237	243	249	252	252	250	247	244	244	108	235	231	231
20	Grimes Way	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Kettle Falls Station (CT)	8.00	8.00	9.00	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.00	4.28	8.00	8.73
22	Klamath Generation Facility	455	455	455	455	455	455	455	455	455	455	455	455	455	455	455
23	Klamath Generation Peakings (C	15.0	15.0	15.0	15.0	20.0	25.0	25.0	25.0	15.0	0	0	0	0	15.0	14.1
24	Langley Gulch CT	251	251	251	251	251	251	251	251	251	251	251	251	251	251	251
25	Loki Peaking Project	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	0	2.51	2.51	2.30
26	Mint Farm Energy Center	245	245	249	254	259	260	260	259	258	256	256	113	250	246	242
27	Northeast 1 & 2	18.1	18.1	0	0	0	0	0	0	0	0	0	13.3	0	18.1	4.21
28	Olympic View	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Pasco Peak Power Plant	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	2.00
30	Port Westward	341	341	361	372	365	383	360	359	356	334	334	165	328	318	337
31	Rathdrum	132	132	136	139	152	156	156	154	152	74.1	74.1	136	134	130	138
32	River Road	205	205	215	230	235	235	235	235	230	225	225	0	220	205	205
33	Satsop Combustion Turbine Proj	638	638	638	638	638	638	638	638	638	638	638	0	638	638	584
34	University of Washington Power	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Whitehorn	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total Combustion Turbine Resources															
36	Investor Owned Utilities	2172	2172	1962	2004	2033	2325	2304	2034	2017	1881	1830	1498	1959	2147	2026
37	Marketer	1108	1108	1108	1108	1113	1118	1118	1118	1108	1093	1093	455	1093	1108	1053
38	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	Public Utility District	332	332	343	360	367	368	368	368	362	329	329	101	348	332	331
40	**Total**	**3611**	**3611**	**3413**	**3472**	**3513**	**3811**	**3790**	**3519**	**3487**	**3303**	**3252**	**2053**	**3399**	**3586**	**3410**

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Exhibit 30
Table A-11: Regional Renewable Resources

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

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Table A-11: Regional: Renewable Resources

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.48	1.34	1.35	1.34	1.34	1.33	1.29	1.09	1.09	1.41	1.50	1.48	1.37
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	34.7	46.3	44.3
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	38.4	62.3	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	77.0
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b			34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	26.7
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	22.0	20.1	18.0	14.7	15.3	20.6	26.6	21.5	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
166	Investor Owned Utilities	994	1544	1461	1274	1102	977	698	743	1159	1627	1243	1376	1778	1497	1233
167	Marketer	142	212	230	211	178	161	112	119	180	272	209	240	304	250	201
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1548**	**2428**	**2291**	**2029**	**1733**	**1561**	**1118**	**1169**	**1867**	**2579**	**1967**	**2201**	**2848**	**2327**	**1954**

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Table A-11: Regional: Renewable Resources

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.48	1.35	1.34	1.34	1.35	1.33	1.34	1.41	1.41	1.43	1.48	1.48	1.40
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	11.6	46.3	42.4
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.5
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.3
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	22.0	20.0	18.0	14.7	15.3	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1377	1755	1498	1227
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1571**	**2465**	**2292**	**2030**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2202**	**2825**	**2328**	**1956**

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Table A-11: Regional: Renewable Resources

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.5
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	118
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.0
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.13
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.92
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.64
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.50	1.50	1.43	1.18	1.34	1.34	1.35	1.33	1.34	1.43	1.43	1.41	1.48	1.48	1.38
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.47
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.42
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.7
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.0

Table A-11: Regional: Renewable Resources

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.5
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.2
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.3
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.21
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	23.1	11.6	46.3	41.5
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.5
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.80
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.2
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.4
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.4
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.2
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.2
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.4
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.13
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.0
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.55
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.8
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.8
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	222
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.3
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.3
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	68.8
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.0
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.8
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.42
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.26
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.0
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.4
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.7
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.2	25.1	24.2	21.9	20.0	18.0	14.7	15.3	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.2
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1365	1755	1498	1225
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.8
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	166
171	**Total**	**1571**	**2465**	**2292**	**2030**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2190**	**2825**	**2328**	**1953**

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Table A-11: Regional: Renewable Resources

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.50	1.50	1.50	1.31	1.35	1.34	1.34	1.35	1.29	1.24	1.24	1.41	1.48	1.50	1.38
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	27.8	46.3	46.3	44.7
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.5
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.3
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.2	25.1	24.3	22.0	20.1	18.0	14.7	15.4	20.6	26.8	21.7	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1370	1790	1498	1229
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1571**	**2465**	**2292**	**2030**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2195**	**2860**	**2328**	**1958**

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Table A-11: Regional: Renewable Resources

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.48	1.35	1.34	1.34	1.34	1.35	1.34	1.41	1.41	1.43	1.48	1.50	1.40
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	37.0	11.6	46.3	42.6
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.5
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.3
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	22.0	20.0	18.0	14.7	15.4	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1379	1755	1498	1227
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1571**	**2465**	**2292**	**2030**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2204**	**2825**	**2328**	**1956**

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Table A-11: Regional: Renewable Resources

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.43	0.87	1.34	1.35	1.34	1.33	1.35	1.41	1.41	1.41	1.50	1.48	1.36
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.5
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.3
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	21.6	20.0	18.0	14.7	15.3	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.6	60.3
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1377	1767	1498	1228
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1571**	**2465**	**2292**	**2029**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2202**	**2837**	**2328**	**1957**

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Table A-11: Regional: Renewable Resources

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.5
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	118
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.0
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.13
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.92
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.64
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.48	1.35	1.34	1.34	1.34	1.35	1.34	1.41	1.41	1.43	1.48	1.48	1.40
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.47
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.42
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.7
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.0

Table A-11: Regional: Renewable Resources

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.5
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.2
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.3
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.21
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	27.8	46.3	44.7
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.5
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.80
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.2
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.4
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.4
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.2
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.07	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.2
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.4
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.13
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.0
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.55
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.8
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.8
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.26
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	222
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.3
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.3
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	68.8
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.0
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.8
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.76
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.42
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.05
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.26
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.0
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.4
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.7
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	22.0	20.0	18.0	14.7	15.4	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.2
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1388	1772	1498	1228
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.8
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	166
171	**Total**	**1571**	**2465**	**2292**	**2030**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2213**	**2841**	**2328**	**1956**

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Table A-11: Regional: Renewable Resources

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.43	1.18	1.34	1.34	1.35	1.33	1.34	1.43	1.43	1.41	1.48	1.48	1.38
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	23.1	46.3	44.4
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.5
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.3
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	21.9	20.0	18.0	14.7	15.3	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.3
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1388	1767	1498	1229
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1571**	**2465**	**2292**	**2030**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2213**	**2837**	**2328**	**1958**

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Table A-11: Regional: Renewable Resources

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.43	1.18	1.34	1.34	1.35	1.33	1.34	1.43	1.43	1.41	1.48	1.48	1.38
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.5
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.3
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	21.9	20.0	18.0	14.7	15.3	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.3
166	Investor Owned Utilities	988	1532	1453	1266	1097	971	694	741	1149	1628	1244	1377	1767	1498	1228
167	Marketer	170	261	239	220	184	168	117	122	192	272	209	240	304	250	208
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1571**	**2465**	**2292**	**2030**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2202**	**2837**	**2328**	**1957**

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Table A-11: Regional: Renewable Resources

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Renewable Resources															
1	Ashland Solar Project	0.01	0.01	0.01	0.01	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
2	City Council	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	N. Mountain Park	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Police Station	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Public Works	0.01	0.01	0.01	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0
6	Bellevue Solar (Amity, OR)	0.20	0.20	0.20	0.10	0.10	0.10	0.10	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.15
7	Bennett Creek Wind	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
8	Bettencourt B6 anaerobic digest	0.46	0.97	0.97	0.97	0.97	1.21	1.25	1.21	0.02	0.18	0.16	0.23	0.23	0.41	0.69
9	Big Horn Wind	50.2	81.4	77.5	68.2	59.2	51.5	35.0	38.1	61.1	89.6	66.8	74.6	97.7	80.5	65.7
10	Big Horn 1	40.1	65.1	62.0	54.5	47.3	41.2	28.0	30.5	48.9	71.7	53.4	59.6	78.1	64.3	52.6
11	Big Horn 2	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
12	Big Sky Dairy	1.05	1.05	1.08	1.05	1.13	1.11	1.01	0.96	1.06	1.05	1.05	1.07	1.13	1.03	1.06
13	Biglow Canyon Wind	90.5	147	140	123	107	92.8	63.2	68.7	110	162	120	134	176	145	119
14	Biglow Canyon 1	25.2	40.9	39.0	34.3	29.8	25.9	17.6	19.2	30.7	45.0	33.6	37.5	49.1	40.4	33.0
15	Biglow Canyon 2	30.1	48.8	46.5	40.9	35.5	30.8	21.0	22.9	36.6	53.7	40.0	44.7	58.6	48.2	39.4
16	Biglow Canyon 3	35.2	57.0	54.3	47.8	41.5	36.1	24.6	26.7	42.8	62.8	46.8	52.3	68.5	56.4	46.1
17	Burley Butte Wind	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
18	Camp Reed	4.53	7.34	6.99	6.15	5.34	4.64	3.16	3.44	5.51	8.08	6.02	6.73	8.81	7.26	5.93
19	Cassia Farms Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
20	Cassia Gulch Wind	3.80	6.17	5.87	5.17	4.48	3.90	2.65	2.89	4.63	6.79	5.06	5.65	7.40	6.10	4.98
21	Coffin Butte	5.27	5.27	5.32	5.38	5.46	5.11	5.51	5.44	5.55	5.42	5.42	5.37	5.33	5.17	5.36
22	Coffin Butte 1	2.37	2.37	2.43	2.40	2.43	2.42	2.39	2.39	2.40	2.27	2.27	2.35	2.34	2.33	2.38
23	Coffin Butte 2	2.90	2.90	2.89	2.98	3.03	2.69	3.12	3.05	3.15	3.15	3.15	3.02	2.99	2.84	2.98
24	Cold Springs	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
25	Columbia Ridge Landfill	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
26	Combine Hills	20.9	33.9	32.3	28.4	24.7	21.5	14.6	15.9	25.5	37.4	27.8	31.1	40.7	33.5	27.4
27	Combine Hills 2	12.7	20.6	19.6	17.2	15.0	13.0	8.85	9.63	15.4	22.6	16.9	18.8	24.7	20.3	16.6
28	Combine Hills I	8.25	13.4	12.7	11.2	9.73	8.46	5.76	6.27	10.0	14.7	11.0	12.3	16.1	13.2	10.8
29	Condon	5.92	11.5	9.57	10.9	9.77	13.8	7.23	7.13	13.0	10.7	8.60	8.69	10.3	6.85	9.65
30	Cottonwood Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
31	Deep Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
32	DeRuyter & Son's Dairy	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
33	Desert Meadow Windfarm	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
34	Double A Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
35	Double B Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
36	Dry Creek Landfill	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25	2.25
37	Dry Dairy Creek	1.38	1.39	1.36	1.36	1.33	1.26	1.17	1.40	1.39	1.30	0.96	1.15	1.15	1.10	1.26
38	Echo Wind Farm	13.0	21.1	20.1	17.7	15.3	13.3	9.07	9.87	15.8	23.2	17.3	19.3	25.3	20.8	17.0
39	Echo Wind 1	8.96	14.5	13.8	12.2	10.6	9.19	6.26	6.81	10.9	16.0	11.9	13.3	17.5	14.4	11.7
40	Echo Wind 2	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
41	Elkhorn Valley Wind Project	20.3	32.8	31.3	27.5	23.9	20.8	14.1	15.4	24.7	36.2	26.9	30.1	39.4	32.5	26.5
42	Farm Power Lynden	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	0.70
43	Farm Power Misty Meadow	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
44	Farm Power Rexville	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	0.70
45	Farm Power Tillamook	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
46	Fighting Creek 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	1.60
47	Finley BioEnergy	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88	2.88
48	Flathead County Landfill	1.48	1.48	1.43	0.87	1.34	1.35	1.34	1.33	1.35	1.41	1.41	1.41	1.50	1.48	1.36
49	Foote Creek 1	8.33	13.5	12.9	11.3	9.82	8.54	5.82	6.33	10.1	14.9	11.1	12.4	16.2	13.4	10.9
50	Foote Creek 2	0.36	0.59	0.56	0.49	0.43	0.37	0.25	0.28	0.44	0.65	0.48	0.54	0.71	0.58	0.48
51	Foote Creek 4	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
52	Fossil Gulch Wind Project	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
53	Fourmile Hill Geothermal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Golden Valley Wind	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
55	Goodnoe Hills	18.9	30.7	29.2	25.7	22.3	19.4	13.2	14.4	23.0	33.8	25.2	28.1	36.8	30.3	24.8
56	Goshen North (Ridgeline)	25.1	40.6	38.7	34.0	29.5	25.7	17.5	19.0	30.5	44.7	33.3	37.2	48.8	40.2	32.8
57	Grandview Solar One	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
58	Grayland	1.21	1.96	1.86	1.64	1.42	1.24	0.84	0.92	1.47	2.16	1.61	1.79	2.35	1.93	1.58
59	H.W. Hill Landfill Gas (Roosevelt	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	8.00
60	HW Hill Landfill Gas 1	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	2.30
61	HW Hill Landfill Gas 2	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	5.70	5.70
62	Hammett Hill	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
63	Harvest	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1

Table A-11: Regional: Renewable Resources

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
64	Hay Canyon Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
65	Healow 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	Hidden Hollow Landfill	2.17	2.17	2.33	2.40	2.60	2.53	2.22	2.39	2.34	2.47	2.47	2.22	2.35	2.04	2.34
67	Hopkins Ridge	31.5	51.1	48.7	42.8	37.2	32.3	22.0	23.9	38.3	56.3	41.9	46.8	61.3	50.5	41.3
68	Hopkins Ridge 2	1.45	2.35	2.24	1.97	1.71	1.49	1.01	1.10	1.76	2.59	1.93	2.15	2.82	2.32	1.90
69	Hopkins Ridge I	30.1	48.7	46.4	40.8	35.4	30.8	21.0	22.8	36.6	53.7	40.0	44.7	58.5	48.2	39.4
70	Horse Butte Wind	22.6	18.6	11.6	18.8	11.6	15.8	13.7	11.9	8.09	8.80	14.1	20.7	15.4	17.2	14.8
71	Horseshoe Bend Wind Project	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
72	Hot Springs Wind	3.98	6.46	6.15	5.41	4.70	4.08	2.78	3.03	4.85	7.11	5.30	5.92	7.76	6.39	5.22
73	Industrial Finishes	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
74	Josef Staufer	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75	Juniper Canyon	30.4	49.3	47.0	41.3	35.9	31.2	21.2	23.1	37.0	54.3	40.5	45.2	59.2	48.8	39.8
76	Kettle Falls (biomass)	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	34.7	23.1	46.3	43.4
77	King Estate Solar	0.20	0.20	0.17	0.12	0.06	0.04	0.06	0.08	0.12	0.15	0.15	0.19	0.19	0.21	0.13
78	Kittitas Valley Wind	20.3	32.9	31.3	27.6	23.9	20.8	14.2	15.4	24.7	36.2	27.0	30.1	39.5	32.5	26.6
79	Klondike 1	7.55	10.5	9.35	6.35	4.54	4.14	3.30	3.26	6.06	7.95	6.74	8.19	10.4	9.47	6.81
80	Klondike 2	23.6	32.7	29.2	19.8	14.2	13.0	10.3	10.2	19.0	24.9	21.1	25.6	32.6	29.6	21.3
81	Klondike 3	70.4	97.7	87.2	59.2	42.4	38.6	30.8	30.5	56.5	74.2	62.9	76.3	97.1	88.3	63.5
82	Klondike 3a	24.1	33.4	29.8	20.2	14.5	13.2	10.5	10.4	19.3	25.4	21.5	26.1	33.2	30.2	21.7
83	Lava Beds Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
84	Leaning Juniper	60.7	98.5	93.8	82.5	71.6	62.3	42.4	46.1	73.9	108	80.8	90.2	118	97.3	79.5
85	Leaning Juniper 1	20.2	32.8	31.2	27.5	23.8	20.7	14.1	15.4	24.6	36.1	26.9	30.1	39.4	32.4	26.5
86	Leaning Juniper 2a	18.2	29.5	28.1	24.7	21.4	18.6	12.7	13.8	22.1	32.4	24.2	27.0	35.4	29.1	23.8
87	Leaning Juniper 2b	22.3	36.2	34.5	30.3	26.3	22.9	15.6	17.0	27.2	39.9	29.7	33.2	43.5	35.8	29.3
88	Lewandowski Farms	0.11	0.10	0.08	0.08	0.08	0.06	0.08	0.06	0.11	0.12	0.12	0.11	0.13	0.10	0.09
89	Lime Wind	0.60	0.98	0.93	0.82	0.71	0.62	0.42	0.46	0.73	1.08	0.80	0.90	1.18	0.97	0.79
90	Linden Ranch	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
91	Livingston	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01	0.01	0.01	0.01	0.01	0	0.01
92	Lower Snake Wind I	69.0	112	106	93.7	81.3	70.7	48.1	52.4	83.9	123	91.7	102	134	111	90.3
93	Mainline Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
94	Marengo Wind	42.4	68.7	65.4	57.6	50.0	43.4	29.6	32.2	51.6	75.7	56.4	63.0	82.5	67.9	55.5
95	Marengo Wind 1	28.3	45.8	43.6	38.4	33.3	29.0	19.7	21.5	34.4	50.4	37.6	42.0	55.0	45.3	37.0
96	Marengo Wind 2	14.1	22.9	21.8	19.2	16.7	14.5	9.86	10.7	17.2	25.2	18.8	21.0	27.5	22.6	18.5
97	Milner Dam Wind Farm	3.92	6.36	6.06	5.33	4.63	4.02	2.74	2.98	4.77	7.00	5.22	5.83	7.64	6.29	5.14
98	Nine Canyon Wind	18.6	34.7	26.0	30.7	22.3	24.4	24.6	19.5	33.9	30.3	21.9	26.8	36.0	15.0	26.1
99	Nine Canyon Wind 1	9.32	17.4	13.1	15.4	11.2	12.2	12.3	9.81	17.0	15.2	11.0	13.4	18.1	7.52	13.1
100	Nine Canyon Wind 2	3.01	5.62	4.21	4.98	3.61	3.95	3.98	3.17	5.50	4.91	3.54	4.34	5.83	2.43	4.22
101	Nine Canyon Wind 3	6.24	11.7	8.74	10.3	7.48	8.19	8.26	6.57	11.4	10.2	7.35	9.00	12.1	5.04	8.75
102	Notch Butte Wind	3.62	5.87	5.59	4.92	4.27	3.71	2.53	2.75	4.41	6.47	4.82	5.38	7.05	5.80	4.74
103	Oregon Trail Wind	2.72	4.40	4.19	3.69	3.20	2.78	1.90	2.06	3.31	4.85	3.61	4.04	5.29	4.35	3.56
104	Palouse Wind	21.0	34.1	32.4	28.5	24.8	21.5	14.7	16.0	25.6	37.5	27.9	31.2	40.9	33.7	27.5
105	PaTu Wind	1.81	2.94	2.80	2.46	2.14	1.86	1.26	1.38	2.20	3.23	2.41	2.69	3.53	2.90	2.37
106	Paynes Ferry Wind Park	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
107	Pebble Springs Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
108	Pepsi-Cola Eugene Solar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	Pilgrim Stage Station Wind Park	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
110	Pine Products Biomass	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
111	Portland Waste Water	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
112	Power County Wind	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
113	Puyallup Energy Recovery	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
114	Qualco Dairy Digester	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
115	Raft River Geothermal	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	10.00
116	Raft River Geothermal 1	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	10.00
117	Raft River Geothermal 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	Raft River Geothermal 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	Rattlesnake Road Wind Farm	20.7	33.6	32.0	28.1	24.4	21.2	14.5	15.7	25.2	37.0	27.5	30.8	40.3	33.2	27.1
120	River Bend Landfill	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30	4.30
121	Rock Creek Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
122	Rock River Wind	10.1	16.3	15.5	13.7	11.9	10.3	7.02	7.64	12.2	18.0	13.4	15.0	19.6	16.1	13.2
123	Rockland	15.9	25.8	24.6	21.7	18.8	16.3	11.1	12.1	19.4	28.5	21.2	23.7	31.0	25.5	20.9
124	Rogerson Flats	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
125	Ryegrass Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
126	Salmon Creek Wind	4.02	6.53	6.21	5.47	4.74	4.13	2.81	3.06	4.90	7.18	5.35	5.98	7.83	6.45	5.27
127	Salmon Falls	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53

Table A-11: Regional: Renewable Resources

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
128	Sawtooth	4.51	7.31	6.96	6.12	5.31	4.62	3.15	3.42	5.49	8.05	5.99	6.70	8.77	7.22	5.90
129	Shepherds Flat	170	276	263	231	200	174	119	129	207	304	226	253	331	273	223
130	Shepherds Flat - Central	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
131	Shepherds Flat - North	53.3	86.5	82.3	72.5	62.9	54.7	37.2	40.5	64.9	95.2	70.9	79.2	104	85.5	69.8
132	Shepherds Flat - South	58.4	94.6	90.1	79.3	68.8	59.8	40.7	44.3	71.0	104	77.6	86.7	114	93.5	76.4
133	Short Mountain	2.05	2.05	1.88	1.87	1.84	1.95	1.91	1.96	1.99	2.03	2.03	2.06	2.03	1.97	1.96
134	Star Point Wind	19.9	32.2	30.7	27.0	23.4	20.4	13.9	15.1	24.2	35.5	26.4	29.5	38.7	31.8	26.0
135	Stateline	52.7	114	74.2	75.5	48.3	58.4	39.9	25.4	96.9	89.2	61.8	80.1	118	48.4	69.0
136	Stateline-OR	29.1	62.9	41.0	41.7	26.7	32.3	22.0	14.0	53.5	49.3	34.2	44.2	65.1	26.8	38.1
137	Stateline-WA	23.6	51.0	33.2	33.8	21.6	26.1	17.9	11.4	43.3	39.9	27.7	35.8	52.7	21.7	30.9
138	Swager Digester	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
139	Thousand Springs Wind Park	2.41	3.92	3.73	3.28	2.85	2.48	1.69	1.83	2.94	4.31	3.21	3.59	4.70	3.87	3.16
140	Threemile Canyon Wind	1.99	3.23	3.08	2.71	2.35	2.04	1.39	1.51	2.42	3.56	2.65	2.96	3.88	3.19	2.61
141	Tuana Gulch Wind	2.11	3.43	3.26	2.87	2.49	2.17	1.47	1.60	2.57	3.77	2.81	3.14	4.11	3.39	2.77
142	Tuana Springs Wind	3.38	5.48	5.22	4.59	3.99	3.47	2.36	2.57	4.11	6.03	4.50	5.02	6.58	5.42	4.43
143	Two Ponds Wind	4.63	7.50	7.15	6.29	5.46	4.74	3.23	3.51	5.63	8.26	6.16	6.88	9.01	7.42	6.06
144	Vander Haak Dairy	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40
145	Vansycle	25.4	44.5	39.8	36.8	30.8	29.9	20.7	20.0	34.9	44.6	32.7	36.8	49.1	38.6	34.3
146	Vansycle 1	5.54	12.2	9.09	9.73	7.36	9.51	6.78	4.92	10.7	9.04	6.27	7.22	10.4	6.72	8.27
147	Vansycle 2	19.9	32.3	30.7	27.0	23.5	20.4	13.9	15.1	24.2	35.5	26.5	29.6	38.7	31.9	26.1
148	Vantage Wind	18.1	29.4	28.0	24.6	21.4	18.6	12.6	13.8	22.0	32.3	24.1	26.9	35.3	29.0	23.7
149	Wheat Field	19.4	31.5	30.0	26.4	22.9	19.9	13.6	14.8	23.7	34.7	25.9	28.9	37.8	31.2	25.5
150	White Bluffs Solar	0.02	0.02	0.01	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01
151	White Creek	40.6	65.8	62.6	55.1	47.8	41.6	28.3	30.8	49.4	72.4	54.0	60.3	79.0	65.0	53.1
152	Wild Horse	54.9	89.0	84.8	74.6	64.8	56.3	38.4	41.8	66.9	98.0	73.1	81.6	107	88.0	71.9
153	Wild Horse Solar 1	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	0.10
154	Wild Horse Wind 1	46.0	74.6	71.0	62.5	54.2	47.2	32.1	34.9	56.0	82.1	61.2	68.3	89.5	73.7	60.2
155	Wild Horse Wind 2	8.85	14.4	13.7	12.0	10.4	9.08	6.18	6.72	10.8	15.8	11.8	13.2	17.2	14.2	11.6
156	Willow Creek	14.5	23.5	22.4	19.7	17.1	14.9	10.1	11.0	17.6	25.9	19.3	21.5	28.2	23.2	19.0
157	Windy Point Wind	80.2	130	124	109	94.6	82.3	56.0	61.0	97.7	143	107	119	156	129	105
158	Windy Point 1	27.5	44.6	42.4	37.3	32.4	28.2	19.2	20.9	33.5	49.1	36.6	40.8	53.5	44.1	36.0
159	Windy Point 2	40.7	66.0	62.9	55.3	48.0	41.8	28.4	30.9	49.6	72.7	54.2	60.5	79.3	65.3	53.3
160	Windy Point 2 - Phase 2	12.0	19.5	18.6	16.4	14.2	12.3	8.40	9.14	14.6	21.5	16.0	17.9	23.4	19.3	15.8
161	Wolverine Creek	13.0	21.0	20.0	17.6	15.3	13.3	9.06	9.86	15.8	23.2	17.3	19.3	25.3	20.8	17.0
162	Yahoo Creek	4.23	6.85	6.52	5.74	4.98	4.33	2.95	3.21	5.14	7.54	5.62	6.28	8.23	6.77	5.53
163	Yamhill Solar	0.30	0.30	0.30	0.20	0.10	0.10	0.10	0.10	0.20	0.30	0.30	0.30	0.30	0.40	0.23
	Total Renewable Resources															
164	Cooperative	18.1	25.1	24.2	21.6	20.0	18.0	14.7	15.3	20.6	27.0	21.9	23.6	28.8	24.8	21.5
165	Federal Entities	51.9	89.1	71.2	62.4	46.3	51.1	34.2	30.0	69.0	74.2	57.0	68.1	91.1	61.5	60.3
166	Investor Owned Utilities	988	1532	1453	1266	1097	940	670	717	1105	1570	1195	1317	1691	1429	1196
167	Marketer	170	261	239	220	184	198	141	146	236	330	259	300	380	319	240
168	Municipality	205	337	301	271	226	209	148	149	262	345	259	295	388	295	260
169	Other	9.05	14.7	14.0	12.3	10.7	9.28	6.32	6.88	11.0	16.2	12.0	13.5	17.6	14.5	11.9
170	Public Utility District	129	206	190	176	150	137	105	106	165	218	164	185	240	184	167
171	**Total**	**1571**	**2465**	**2292**	**2029**	**1734**	**1562**	**1118**	**1170**	**1868**	**2580**	**1968**	**2202**	**2837**	**2328**	**1957**

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Exhibit 31
Table A-12: Regional Cogeneration Resources

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

Table A-12: Regional: Cogeneration Resources

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.28	3.28	3.28	3.28	3.28	3.28	1.00	3.28	3.28	3.27	3.28	3.28	3.28	3.28	3.09
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	63.5	148	228	210
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5

Table A-12: Regional: Cogeneration Resources

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7
Total Cogeneration Resources																
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
65	Investor Owned Utilities	1751	1751	1767	1727	1758	1834	1790	1799	1654	1767	1106	1234	1497	1706	1662
66	Marketer	795	795	795	792	797	798	799	798	172	792	792	788	793	797	742
67	Municipality	113	113	106	109	115	117	118	117	108	109	109	103	110	116	112
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	61.4	60.4	59.9	60.5	61.0	60.8	59.7	59.7	56.9	60.2	61.5	60.9	60.9	59.3	60.1
70	**Total**	**2772**	**2771**	**2781**	**2745**	**2789**	**2870**	**2826**	**2834**	**2047**	**2789**	**2129**	**2244**	**2512**	**2735**	**2633**

Table A-12: Regional: Cogeneration Resources

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.28	3.28	3.28	3.28	3.28	3.28	1.00	3.28	3.28	3.27	3.28	3.28	3.28	3.28	3.09
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	120	177	246	237
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	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	10.00
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	72.9	148	228	210
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
65	Investor Owned Utilities	1751	1751	1767	1727	1796	1834	1788	1799	1652	1761	1106	1143	1559	1739	1665
66	Marketer	795	795	795	792	797	798	799	798	172	814	814	810	815	819	750
67	Municipality	113	113	106	109	115	117	118	117	108	87.1	87.1	81.5	88.5	93.5	104
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	61.4	60.4	59.9	60.5	61.0	60.8	59.7	59.7	56.9	60.2	61.5	60.9	60.9	59.3	60.1
70	**Total**	**2772**	**2771**	**2781**	**2745**	**2827**	**2870**	**2824**	**2834**	**2045**	**2782**	**2129**	**2153**	**2574**	**2768**	**2636**

Table A-12: Regional: Cogeneration Resources

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.9	14.9	14.4	14.4	14.9	14.4	14.9	14.7
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.28	3.28	3.28	3.28	3.28	3.28	1.00	3.28	3.28	3.27	3.28	3.28	3.28	3.28	3.09
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.57	5.95	7.20	0	5.95	5.76	5.95	5.68
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	2.60	8.30	10.00	9.23
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	72.9	148	228	210
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	0	0	0	0	0	13.1
65	Investor Owned Utilities	1750	1750	1730	1733	1795	1833	1787	1799	1771	1394	1106	1246	1497	1738	1661
66	Marketer	817	817	811	814	819	820	821	820	194	814	814	810	815	819	764
67	Municipality	90.8	90.8	90.1	86.9	93.1	94.7	95.6	94.8	86.3	98.1	98.1	91.0	95.6	103	93.3
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	61.4	60.4	59.9	60.5	61.0	60.8	59.7	59.2	56.9	71.2	72.5	70.5	68.0	68.4	63.1
70	**Total**	**2771**	**2770**	**2744**	**2751**	**2826**	**2869**	**2823**	**2834**	**2164**	**2415**	**2129**	**2256**	**2512**	**2767**	**2632**

Table A-12: Regional: Cogeneration Resources

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.28	3.28	3.28	3.28	3.28	3.28	1.00	3.28	3.28	3.27	3.28	3.28	3.28	3.28	3.09
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	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	10.00
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	117	111	228	211
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1751	1751	1767	1727	1758	1834	1790	1799	1654	1767	1106	1290	1460	1706	1664
66	Marketer	817	817	811	814	819	820	821	820	194	814	814	810	815	819	764
67	Municipality	97.1	97.1	97.3	96.1	103	106	108	106	97.8	98.1	98.1	91.0	95.6	103	99.8
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	67.6	66.6	67.1	69.7	70.8	72.1	71.7	71.2	68.4	71.2	72.5	70.5	68.0	68.4	69.7
70	**Total**	**2772**	**2771**	**2781**	**2745**	**2789**	**2870**	**2826**	**2834**	**2047**	**2789**	**2129**	**2300**	**2475**	**2735**	**2635**

Table A-12: Regional: Cogeneration Resources

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.28	3.28	3.28	3.28	3.28	3.28	1.00	3.28	3.28	3.27	3.28	3.28	3.28	3.28	3.09
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	50.8	148	228	208
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1751	1751	1767	1727	1796	1834	1788	1799	1652	1761	1106	1238	1500	1739	1668
66	Marketer	817	817	811	814	819	820	821	820	194	814	814	810	815	819	764
67	Municipality	97.1	97.1	97.3	96.1	103	106	108	106	97.8	98.1	98.1	91.0	95.6	103	99.8
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	67.6	66.6	67.1	69.7	70.8	72.1	71.7	71.2	68.4	71.2	72.5	70.5	68.0	68.4	69.7
70	**Total**	**2772**	**2771**	**2781**	**2745**	**2827**	**2870**	**2824**	**2834**	**2045**	**2782**	**2129**	**2248**	**2515**	**2768**	**2639**

Table A-12: Regional: Cogeneration Resources

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.28	3.28	3.28	3.28	3.28	3.28	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.12
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	180	65.8	246	233
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	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	10.00
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	72.9	148	228	210
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1750	1750	1730	1733	1795	1833	1789	1798	1771	1393	1106	1193	1446	1737	1652
66	Marketer	817	817	811	814	819	820	821	820	194	814	814	810	815	819	764
67	Municipality	97.1	97.1	97.3	96.1	103	106	108	106	97.8	98.1	98.1	91.0	95.6	103	99.8
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	67.6	66.6	67.1	69.7	70.8	72.1	71.7	71.2	68.4	71.2	72.5	70.5	68.0	68.4	69.7
70	**Total**	**2771**	**2770**	**2744**	**2751**	**2826**	**2869**	**2825**	**2833**	**2164**	**2415**	**2129**	**2203**	**2461**	**2767**	**2623**

Table A-12: Regional: Cogeneration Resources

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.9	14.9	14.4	14.4	14.9	14.4	14.9	14.7
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.57	5.95	7.20	0	5.95	5.76	5.95	5.68
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	13.5	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	142	246	245
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.16	1.20	1.20	1.20	1.20	1.20	1.20	1.20
18	Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	109	119	228	211
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	224
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1751	1751	1767	1726	1758	1834	1792	1800	1654	1767	1106	1279	1490	1706	1666
66	Marketer	817	817	811	814	819	820	821	820	194	814	814	810	815	819	764
67	Municipality	97.1	97.1	97.3	96.1	103	106	108	106	97.8	98.1	98.1	91.0	95.6	103	99.8
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	67.6	66.6	67.1	69.7	70.8	72.1	71.7	70.7	68.4	71.2	72.5	70.5	68.0	68.4	69.7
70	**Total**	**2772**	**2771**	**2781**	**2744**	**2789**	**2869**	**2828**	**2834**	**2047**	**2788**	**2129**	**2290**	**2506**	**2735**	**2637**

Table A-12: Regional: Cogeneration Resources

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	118	246	243
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	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	10.00
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	436	436	442	413	458	466	427	461	335	412	0	412	409	431	408
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	87.5	148	228	212
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1751	1751	1767	1726	1796	1834	1790	1799	1652	1761	1106	1277	1499	1738	1671
66	Marketer	817	817	811	814	819	820	821	820	194	814	814	810	815	819	764
67	Municipality	97.1	97.1	97.3	96.1	103	106	108	106	97.8	98.1	98.1	91.0	95.6	103	99.8
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	67.6	66.6	67.1	69.7	70.8	72.1	71.7	71.2	68.4	71.2	72.5	70.5	68.0	68.4	69.7
70	**Total**	**2772**	**2771**	**2781**	**2744**	**2827**	**2869**	**2826**	**2834**	**2045**	**2782**	**2129**	**2288**	**2515**	**2768**	**2642**

Table A-12: Regional: Cogeneration Resources

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	180	65.8	246	233
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	6.80	10.00	10.00	9.73
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	435	435	404	420	458	465	426	460	454	44.8	0	402	408	431	399
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	72.9	148	228	210
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1750	1750	1729	1733	1795	1833	1789	1798	1771	1393	1106	1190	1446	1737	1652
66	Marketer	862	862	855	855	866	869	871	869	234	855	855	845	858	867	808
67	Municipality	52.2	52.2	53.2	55.1	55.8	57.3	57.9	57.5	57.4	57.0	57.0	55.5	53.1	55.0	55.6
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	67.6	66.6	67.1	69.7	70.8	72.1	71.7	71.2	68.4	71.2	72.5	70.5	68.0	68.4	69.7
70	**Total**	**2771**	**2770**	**2743**	**2751**	**2826**	**2868**	**2825**	**2833**	**2164**	**2415**	**2129**	**2200**	**2461**	**2767**	**2622**

Table A-12: Regional: Cogeneration Resources

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Cogeneration Resources															
1	Biomass One	14.9	14.9	14.4	14.9	14.4	14.9	14.9	13.4	14.9	14.4	14.4	14.9	14.4	14.9	14.6
2	Boise Cascade Emmett	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Boise Cascade Medford	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Champion International Paper C	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00	3.00
5	Cogen Co	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63
6	Cogen Co 2	5.95	5.95	5.76	5.95	5.76	5.95	5.95	5.38	5.95	7.20	0	5.95	5.76	5.95	5.67
7	Cosmopolis Specialty Fibres	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
8	Coyote Springs	209	209	209	209	209	209	209	209	209	209	209	209	209	209	209
9	Coyote Springs 2	249	249	257	245	259	272	271	262	248	245	245	240	142	246	245
10	Everett Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Evergreen Biopower Cogen	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50	7.50
12	Georgia-Pacific (Toledo)	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
13	Georgia-Pacific Paper (Camas)	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	10.00
14	Georgia-Pacific Paper (Wauna)	12.4	12.4	14.4	18.4	19.6	22.6	24.0	23.0	23.0	22.0	22.0	19.1	14.2	18.1	19.2
15	Grays Harbor Paper	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	14.7
16	Haleywest L.L.C	4.54	4.54	4.15	4.58	4.39	4.41	3.96	4.02	4.19	3.73	3.73	4.24	4.29	3.86	4.20
17	Hampton Lumber Mill (Darringto	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	1.20
18	Hermiston Generation Project	436	436	442	413	421	467	429	461	337	418	0	395	406	399	401
19	Hermiston Power Project	620	620	620	620	620	620	620	620	0	620	620	620	620	620	567
20	Intenational Paper Energy Cente	22.0	22.0	16.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	21.5
21	Intenational Paper Energy Center 2	8.46	8.46	6.15	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.46	8.27
22	Intenational Paper Energy Center 1	13.5	13.5	9.85	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.2
23	InterFor Pacific - Gilchrist	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
24	Lakeview Biomass	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
25	Lancaster	230	230	238	234	238	254	253	239	237	272	36.4	72.9	148	228	210
26	Longview Fibre Paper & Packagi	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
27	Longview Fibre Paper & Packaging 1	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
28	Longview Fibre Paper & Packaging 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	Macks Creek	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	March Point Cogeneration	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
31	Metro West Point	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	2.50
32	Port Townsend Mill	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70	6.70
33	Port Townsend Mill 1	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
34	Port Townsend Mill 2	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51	6.51
35	Potlatch	54.8	54.8	49.2	49.5	54.8	54.4	53.3	52.7	46.5	48.8	48.8	53.3	48.2	53.4	51.6
36	Potlach NG 1	9.63	9.63	8.64	8.70	9.63	9.55	9.36	9.25	8.17	8.57	8.57	9.36	8.47	9.38	9.06
37	Potlach Wood Waste 1	45.2	45.2	40.5	40.8	45.2	44.8	43.9	43.4	38.3	40.2	40.2	43.9	39.7	44.0	42.5
38	Rough & Ready Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
39	Rupert Cogeneration Facility	7.55	7.55	8.01	9.42	9.40	8.65	8.25	9.05	9.12	7.70	7.70	7.53	7.97	8.05	8.39
40	SDS Lumber	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
41	Seneca Sawmill Cogen	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
42	Sierra Pacific - Abberdeen	15.5	14.5	14.0	14.6	15.1	14.9	13.8	13.8	11.0	14.3	15.6	15.0	15.0	13.4	14.2
43	Sierra Pacific - Burlington	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	26.0
44	Simplot Pocatello	9.75	9.75	9.32	8.88	8.12	8.12	7.81	9.22	8.57	8.30	8.30	7.47	4.06	8.57	8.18
45	Simpson Tacoma CoGen	44.9	44.9	44.1	40.9	47.2	48.7	49.6	48.9	40.4	41.1	41.1	35.5	42.5	47.6	44.3
46	SP Newsprint cogen	104	104	104	104	104	104	104	104	104	104	104	104	104	104	104
47	SP Newsprint cogen 1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
48	SP Newsprint Wood Waste	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
49	Sumas	124	124	125	128	130	132	132	131	130	129	129	75.4	125	124	124
50	Sumas Compressor Station	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95	4.95
51	Tamarack	4.53	4.53	4.45	3.60	4.09	4.00	3.86	3.93	3.49	3.42	3.42	3.11	3.99	4.40	3.91
52	TASCO - Nampa	0.20	0.20	0.16	0.06	0	0	0	0.02	0.04	0.03	0.03	0	0.05	0.16	0.06
53	TASCO - Twin Falls	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
54	Tenaska Gas Cogen	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
55	Thompson River Co-Gen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	Vaagen Bros.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Wah Chang Cogen	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
58	Warm Springs Cogen	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
59	Weyerhaeuser Longview	35.7	35.7	35.1	32.5	37.5	38.7	39.5	38.8	32.1	32.7	32.7	28.2	33.8	37.8	35.2
60	Weyerhaeuser Longview 2	18.7	18.7	18.4	17.1	19.7	20.3	20.7	20.4	16.8	17.2	17.2	14.8	17.8	19.9	18.5
61	Weyerhauser Longview 1	16.9	16.9	16.6	15.4	17.8	18.4	18.7	18.4	15.2	15.5	15.5	13.4	16.0	17.9	16.7

Table A-12: Regional: Cogeneration Resources

Operating Year 2023

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

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	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Total Cogeneration Resources															
62	Cooperative	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94	0.94
63	Direct Service Industry	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
64	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	Investor Owned Utilities	1751	1751	1767	1726	1758	1834	1792	1799	1654	1767	1106	1246	1520	1706	1665
66	Marketer	862	862	855	855	866	869	871	869	234	855	855	845	858	867	808
67	Municipality	52.2	52.2	53.2	55.1	55.8	57.3	57.9	57.5	57.4	57.0	57.0	55.5	53.1	55.0	55.6
68	Other	19.6	19.6	19.6	18.6	18.6	17.5	16.0	17.5	13.4	18.6	18.6	19.6	17.0	19.6	18.0
69	Public Utility District	67.6	66.6	67.1	69.7	70.8	72.1	71.7	71.2	68.4	71.2	72.5	70.5	68.0	68.4	69.7
70	**Total**	**2772**	**2771**	**2781**	**2744**	**2789**	**2869**	**2828**	**2834**	**2047**	**2788**	**2129**	**2256**	**2536**	**2735**	**2636**

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Exhibit 32
Table A-13: Regional Large Thermal Resources

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

Table A-13: Regional: Large Thermal Resources

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488
2	Centralia	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	667	1497	1497	1426
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	626	626	626	626	626	626	40.3	626	626	577
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	960	950	987	1230	1441	1345
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	136	68.0	70.5	141	128
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	136	0	0	141	117
9	Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421
10	Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1724	1763	1441	1602	1924	1909	1843
13	Jim Bridger #1	483	483	483	483	483	483	483	483	451	322	0	161	483	483	427
14	Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	292	461	461	461	461	461	447
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
21	Investor Owned Utilities	4064	4064	4064	4064	4064	4064	4064	4064	3797	3438	3106	2799	3869	4064	3853
22	Marketer	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	667	1497	1497	1426
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.8
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6377**	**6018**	**5686**	**4495**	**6449**	**6644**	**6358**

Table A-13: Regional: Large Thermal Resources

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488
2	Centralia	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	667	1497	1497	1426
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	40.3	626	626	577
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1346	1232	1441	1415
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	0	141	125
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	141	93.0	72.5	141	131
9	Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
10	Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1688	1607	1607	1607	1723	1909	1824
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
14	Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
15	Jim Bridger #3	477	477	477	477	477	477	477	477	436	159	159	159	275	477	404
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	498	0	764	878
21	Investor Owned Utilities	4064	4064	4064	4064	4064	4260	4260	4260	3957	3958	3958	3174	3865	4260	4019
22	Marketer	1497	1497	1497	1497	1497	1301	1301	1301	1301	1301	1301	654	1301	1301	1311
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.8
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6341**	**6342**	**6342**	**4326**	**5220**	**6378**	**6257**

Table A-13: Regional: Large Thermal Resources

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	489
2	Centralia	1497	1497	1497	1497	1497	1497	1497	1497	1436	870	870	1071	1497	1497	1404
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	762	706	1047	1441	1441	1349
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	113	114	141	141	137
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	113	114	141	141	137
9	Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
10	Colstrip 4	679	679	679	679	679	679	679	679	679	0	0	340	679	679	595
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1785	1288	1706	1924	1909	1864
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	344	0	483	483	483	458
14	Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	461	308	243	461	461	436
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	226
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
21	Investor Owned Utilities	4260	4260	4260	4260	4260	4344	4344	4344	4277	3542	2989	3242	4360	4344	4130
22	Marketer	1301	1301	1301	1301	1301	1217	1217	1217	1156	590	590	791	1217	1217	1152
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.9
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6517**	**5215**	**4662**	**5063**	**6660**	**6644**	**6361**

Table A-13: Regional: Large Thermal Resources

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488
2	Centralia	1497	1497	1497	1497	1497	1497	1497	1497	1436	870	870	1071	1497	1497	1404
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
5	Centralia 2	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	960	950	987	1230	1441	1345
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	136	68.0	70.5	141	128
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	136	0	0	141	117
9	Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421
10	Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1607	1924	1622	1622	1924	1909	1849
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
14	Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	201	200	503	488	455
15	Jim Bridger #3	477	477	477	477	477	477	477	477	159	477	477	477	477	477	450
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	461	461	461	461	461	461
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
21	Investor Owned Utilities	4344	4344	4344	4344	4344	4494	4494	4494	4068	3599	3287	3123	4299	4494	4189
22	Marketer	1217	1217	1217	1217	1217	1067	1067	1067	1048	870	870	766	1067	1067	1074
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.8
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6199**	**5553**	**5241**	**4288**	**5419**	**6478**	**6189**

Table A-13: Regional: Large Thermal Resources

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488
2	Centralia	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	667	1497	1497	1426
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	626	626	626	626	626	626	40.3	626	626	577
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1346	1232	1441	1415
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	0	141	125
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	141	93.0	72.5	141	131
9	Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
10	Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1792	1486	1602	1924	1909	1863
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	374	161	483	483	451
14	Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
21	Investor Owned Utilities	4494	4494	4494	4494	4494	4445	4445	4445	4377	4328	4022	3537	4252	4445	4340
22	Marketer	1067	1067	1067	1067	1067	1116	1116	1116	1116	1116	1116	286	1116	1116	1029
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.8
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6577**	**6528**	**6222**	**4854**	**6451**	**6644**	**6449**

Table A-13: Regional: Large Thermal Resources

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	488
2	Centralia	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	667	1497	1497	1426
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	40.3	626	626	577
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	762	706	1047	1441	1441	1349
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	113	114	141	141	137
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	113	114	141	141	137
9	Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
10	Colstrip 4	679	679	679	679	679	679	679	679	679	0	0	340	679	679	594
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	332	0	930	878
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1498	1924	1924	1909	1875
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	386	483	483	483	479
14	Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	332	0	930	878
21	Investor Owned Utilities	4445	4445	4445	4445	4445	4477	4477	4477	4215	3681	3331	3207	4492	4477	4257
22	Marketer	1116	1116	1116	1116	1116	1084	1084	1084	1084	1084	1084	640	1084	1084	1057
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.8
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6383**	**5849**	**5499**	**4179**	**5630**	**6544**	**6241**

Table A-13: Regional: Large Thermal Resources

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	534	534	534	534	534	0	534	534	489
2	Centralia	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	1497	667	1497	1497	1426
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	626	626	626	626	626	626	40.3	626	626	577
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	960	950	987	1230	1441	1345
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	136	68.0	70.5	141	128
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	136	0	0	141	117
9	Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421
10	Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1892	1631	1112	1602	1924	1909	1839
13	Jim Bridger #1	483	483	483	483	483	483	483	483	451	322	0	161	483	483	427
14	Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	226
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
21	Investor Owned Utilities	4477	4477	4477	4477	4477	4445	4445	4445	4346	3686	3157	3179	4250	4445	4240
22	Marketer	1084	1084	1084	1084	1084	1116	1116	1116	1116	1116	1116	286	1116	1116	1035
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	0	53.4	53.4	48.9
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6644**	**6545**	**5886**	**5357**	**4495**	**6449**	**6644**	**6354**

Table A-13: Regional: Large Thermal Resources

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	534	534	534	534	534	534	0	0	0	0	0	0	0	0	224
2	Centralia	1497	1497	1497	1497	1497	870	870	870	870	870	870	40.3	870	870	1009
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	626	626	626	626	626	0	0	0	0	0	0	0	0	0	209
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	40.3	626	626	577
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1441	1346	1232	1441	1415
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	141	93.0	0	141	125
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	141	93.0	72.5	141	131
9	Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
10	Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	465	0	797	878
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1596	1924	1924	1909	1878
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
14	Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	465	0	797	878
21	Investor Owned Utilities	4445	4445	4445	4445	4445	4477	3996	3996	3734	3879	3683	3506	3803	3996	4090
22	Marketer	1116	1116	1116	1116	1116	458	458	458	458	458	458	13.8	458	458	640
23	Municipality	53.4	53.4	53.4	53.4	53.4	53.4	0	0	0	0	0	0	0	0	22.4
24	**Total**	**6644**	**6644**	**6644**	**6644**	**6644**	**6018**	**5484**	**5484**	**5223**	**5368**	**5171**	**3984**	**4261**	**5251**	**5630**

Table A-13: Regional: Large Thermal Resources

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Centralia	870	870	870	870	870	870	870	870	870	870	870	626	870	870	850
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Centralia 2	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	762	706	1047	1441	1441	1349
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	113	114	141	141	137
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	113	114	141	141	137
9	Colstrip 3	481	481	481	481	481	481	481	481	481	481	481	481	481	481	481
10	Colstrip 4	679	679	679	679	679	679	679	679	679	0	0	340	679	679	594
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1924	1653	1112	1924	1924	1909	1869
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	344	0	483	483	483	458
14	Jim Bridger #2	488	488	488	488	488	488	488	488	503	503	503	503	503	488	493
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030
21	Investor Owned Utilities	3996	3996	3996	3996	3996	3964	3964	3964	3897	3029	2433	3561	3980	3964	3835
22	Marketer	458	458	458	458	458	490	490	490	490	490	490	246	490	490	459
23	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	**Total**	**5484**	**5484**	**5484**	**5484**	**5484**	**5484**	**5484**	**5484**	**5417**	**4549**	**3953**	**4837**	**5500**	**5484**	**5324**

Table A-13: Regional: Large Thermal Resources

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Large Thermal Resources															
1	Boardman	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Centralia	870	870	870	870	870	870	870	870	810	244	244	445	870	870	777
3	Big Hanaford	244	244	244	244	244	244	244	244	244	244	244	0	244	244	223
4	Centralia 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Centralia 2	626	626	626	626	626	626	626	626	566	0	0	445	626	626	554
6	Colstrip	1441	1441	1441	1441	1441	1441	1441	1441	1441	960	950	987	1230	1441	1345
7	Colstrip 1	141	141	141	141	141	141	141	141	141	141	136	68.0	70.5	141	128
8	Colstrip 2	141	141	141	141	141	141	141	141	141	141	136	0	0	141	117
9	Colstrip 3	481	481	481	481	481	481	481	481	481	0	0	240	481	481	421
10	Colstrip 4	679	679	679	679	679	679	679	679	679	679	679	679	679	679	679
11	Columbia Generating Station	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
12	Jim Bridger	1909	1909	1909	1909	1909	1909	1909	1909	1730	1792	1596	1924	1924	1909	1878
13	Jim Bridger #1	483	483	483	483	483	483	483	483	483	483	483	483	483	483	483
14	Jim Bridger #2	488	488	488	488	488	488	488	488	308	503	503	503	503	488	476
15	Jim Bridger #3	477	477	477	477	477	477	477	477	477	477	477	477	477	477	477
16	Jim Bridger #4	461	461	461	461	461	461	461	461	461	329	132	461	461	461	442
17	Valmy	235	235	235	235	235	235	235	235	152	235	235	209	235	235	225
18	North Valmy 2	120	120	120	120	120	120	120	120	77.9	120	120	107	120	120	116
19	North Valmy1	114	114	114	114	114	114	114	114	74.1	114	114	102	114	114	110
	Total Large Thermal Resources															
20	Federal Entities	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	1030	399	0	864	878
21	Investor Owned Utilities	3964	3964	3964	3964	3964	4014	4014	4014	3710	2987	2780	3426	3819	4014	3813
22	Marketer	490	490	490	490	490	441	441	441	422	244	244	140	441	441	414
23	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	**Total**	**5484**	**5484**	**5484**	**5484**	**5484**	**5484**	**5484**	**5484**	**5162**	**4261**	**4054**	**3965**	**4259**	**5318**	**5104**

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Exhibit 33
Table A-14: Regional Small Thermal & Miscellaneous

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

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.7	15.7	15.6	14.8	16.1	15.3	16.1	11.8	16.1	16.1	16.1	16.1	13.4	15.8	15.3
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.7	33.8	37.5	37.7	36.4	39.5	40.8	35.5	38.5	37.9	37.7	40.9	36.2	36.6	37.6
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.9**	**34.0**	**37.7**	**37.9**	**36.6**	**39.7**	**41.0**	**35.7**	**38.7**	**38.1**	**37.9**	**41.1**	**36.4**	**36.8**	**37.8**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.7	15.7	15.6	14.8	16.1	15.3	16.1	11.8	16.1	16.1	16.1	16.1	13.4	15.8	15.3
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.7	33.8	37.5	37.7	36.4	39.5	40.8	35.5	38.5	37.9	37.7	40.9	36.2	36.6	37.6
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.9**	**34.0**	**37.7**	**37.9**	**36.6**	**39.7**	**41.0**	**35.7**	**38.7**	**38.1**	**37.9**	**41.1**	**36.4**	**36.8**	**37.8**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.7	15.7	15.6	14.8	16.1	15.3	16.1	11.8	16.1	16.1	16.1	16.1	13.4	15.8	15.3
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.7	33.8	37.5	37.7	36.4	39.5	40.8	35.5	38.5	37.9	37.7	40.9	36.2	36.6	37.6
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.9**	**34.0**	**37.7**	**37.9**	**36.6**	**39.7**	**41.0**	**35.7**	**38.7**	**38.1**	**37.9**	**41.1**	**36.4**	**36.8**	**37.8**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.7	15.7	15.6	14.8	16.1	15.3	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.2
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.7	33.8	37.5	37.7	36.4	39.5	39.7	38.7	37.4	36.8	36.6	39.8	37.8	35.8	37.6
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.9**	**34.0**	**37.7**	**37.9**	**36.6**	**39.7**	**39.9**	**38.9**	**37.6**	**37.0**	**36.8**	**40.0**	**38.0**	**36.0**	**37.8**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.0	33.1	36.9	37.9	35.3	39.2	39.7	38.7	37.4	36.8	36.6	39.8	37.8	35.8	37.3
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.2**	**33.3**	**37.1**	**38.1**	**35.5**	**39.4**	**39.9**	**38.9**	**37.6**	**37.0**	**36.8**	**40.0**	**38.0**	**36.0**	**37.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.0	33.1	36.9	37.9	35.3	39.2	39.7	38.7	37.4	36.8	36.6	39.8	37.8	35.8	37.3
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.2**	**33.3**	**37.1**	**38.1**	**35.5**	**39.4**	**39.9**	**38.9**	**37.6**	**37.0**	**36.8**	**40.0**	**38.0**	**36.0**	**37.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.0	33.1	36.9	37.9	35.3	39.2	39.7	38.7	37.4	36.8	36.6	39.8	37.8	35.8	37.3
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.2**	**33.3**	**37.1**	**38.1**	**35.5**	**39.4**	**39.9**	**38.9**	**37.6**	**37.0**	**36.8**	**40.0**	**38.0**	**36.0**	**37.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.0	33.1	36.9	37.9	35.3	39.2	39.7	38.7	37.4	36.8	36.6	39.8	37.8	35.8	37.3
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.2**	**33.3**	**37.1**	**38.1**	**35.5**	**39.4**	**39.9**	**38.9**	**37.6**	**37.0**	**36.8**	**40.0**	**38.0**	**36.0**	**37.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.0	33.1	36.9	37.9	35.3	39.2	39.7	38.7	37.4	36.8	36.6	39.8	37.8	35.8	37.3
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.2**	**33.3**	**37.1**	**38.1**	**35.5**	**39.4**	**39.9**	**38.9**	**37.6**	**37.0**	**36.8**	**40.0**	**38.0**	**36.0**	**37.5**

Table A-14: Regional: Small Thermal & Miscellaneous

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Small Thermal & Miscellaneous															
1	Bangor Submarine Base	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bangor Base 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	Bangor Base 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Boundary IC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Colstrip Energy Project	6.44	6.58	10.3	11.4	8.79	12.7	13.2	12.1	10.9	10.3	10.0	13.3	11.3	9.31	10.8
6	Covanta Marion Solid Waste	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70	9.70
7	Crystal Mountain	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	Hooley Digester	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
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	0.10
10	Puget Sound Shipyards Diesel G	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Salmon Diesel	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Spokane MSW	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
13	Treasure Valley	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60
14	West Boise Waste	0.12	0.12	0.13	0.12	0.13	0.12	0.12	0.14	0.12	0.13	0.13	0.12	0.13	0.12	0.13
	Total Small Thermal & Miscellaneous															
15	Federal Entities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Investor Owned Utilities	33.0	33.1	36.9	37.9	35.3	39.2	39.7	38.7	37.4	36.8	36.6	39.8	37.8	35.8	37.3
17	Municipality	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	Public Utility District	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
19	**Total**	**33.2**	**33.3**	**37.1**	**38.1**	**35.5**	**39.4**	**39.9**	**38.9**	**37.6**	**37.0**	**36.8**	**40.0**	**38.0**	**36.0**	**37.5**

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Exhibit 34
Table A-15: Non-Federal CER Deliveries to BPA

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

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

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.2	18.0	17.9	17.3	18.0	17.7	17.4	17.9	17.9	18.0	17.2	18.0	17.7
2	CHPD to BPA CEAEA for Rocky Reach	38.1	38.5	36.7	38.3	38.1	36.9	38.3	37.7	37.0	37.6	37.6	37.7	36.1	37.7	37.5
3	DOPD to BPA CEAEA for Wells	24.3	24.5	23.3	24.4	24.2	23.5	24.4	24.0	23.5	24.3	24.3	24.4	23.3	24.4	24.0
4	GCPD to BPA CEAEA for Priest Rapids	29.5	29.8	28.3	29.6	29.4	28.5	29.6	29.1	28.6	29.5	29.5	29.6	28.3	29.6	29.2
5	GCPD to BPA CEAEA for Wanpum	28.3	28.6	27.2	28.5	28.3	27.4	28.5	28.0	27.4	28.3	28.3	28.5	27.2	28.5	28.0
6	**Total Imports From PNW**	**138**	**139**	**133**	**139**	**138**	**134**	**139**	**137**	**134**	**138**	**138**	**138**	**132**	**138**	**136**
	Total Imports															
7	Federal Entities	138	139	133	139	138	134	139	137	134	138	138	138	132	138	136
8	**Total Imports**	**138**	**139**	**133**	**139**	**138**	**134**	**139**	**137**	**134**	**138**	**138**	**138**	**132**	**138**	**136**

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

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	16.8	17.9	18.0	17.2	18.0	18.0	17.7	17.4	17.9	17.9	17.3	17.9	18.0	17.7
2	CHPD to BPA CEAEA for Rocky Reach	37.6	35.2	37.6	37.7	36.1	37.7	37.7	37.1	36.4	37.6	37.6	36.3	37.6	37.7	37.2
3	DOPD to BPA CEAEA for Wells	24.3	22.8	24.3	24.4	23.3	24.4	24.4	24.0	23.5	23.7	23.7	22.9	23.7	23.8	23.8
4	GCPD to BPA CEAEA for Priest Rapids	29.5	27.6	29.5	29.6	28.3	29.6	29.6	29.1	28.6	29.5	29.5	28.5	29.5	29.6	29.2
5	GCPD to BPA CEAEA for Wanpum	28.3	26.5	28.3	28.5	27.2	28.5	28.5	28.0	27.4	28.3	28.3	27.4	28.3	28.5	28.0
6	**Total Imports From PNW**	**138**	**129**	**138**	**138**	**132**	**138**	**138**	**136**	**133**	**137**	**137**	**133**	**137**	**138**	**136**
	Total Imports															
7	Federal Entities	138	129	138	138	132	138	138	136	133	137	137	133	137	138	136
8	**Total Imports**	**138**	**129**	**138**	**138**	**132**	**138**	**138**	**136**	**133**	**137**	**137**	**133**	**137**	**138**	**136**

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

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	16.8	17.9	18.0	17.2	18.0	17.3	17.8	18.0	17.9	17.9	17.3	17.9	17.3	17.7
2	CHPD to BPA CEAEA for Rocky Reach	37.6	35.2	37.6	37.7	36.1	37.7	36.3	37.4	37.8	37.0	37.0	35.8	37.0	35.8	36.9
3	DOPD to BPA CEAEA for Wells	23.7	22.2	23.7	23.8	22.7	23.8	22.9	23.6	23.8	23.7	23.7	22.9	23.7	22.9	23.4
4	GCPD to BPA CEAEA for Priest Rapids	29.5	27.6	29.5	29.6	28.3	29.6	28.5	29.3	29.7	29.5	29.5	28.5	29.5	28.5	29.1
5	GCPD to BPA CEAEA for Wanpum	28.3	26.5	28.3	28.5	27.2	28.5	27.4	28.2	28.5	28.3	28.3	27.4	28.3	27.4	27.9
6	**Total Imports From PNW**	**137**	**128**	**137**	**138**	**131**	**138**	**133**	**136**	**138**	**136**	**136**	**132**	**136**	**132**	**135**
	Total Imports															
7	Federal Entities	137	128	137	138	131	138	133	136	138	136	136	132	136	132	135
8	**Total Imports**	**137**	**128**	**137**	**138**	**131**	**138**	**133**	**136**	**138**	**136**	**136**	**132**	**136**	**132**	**135**

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

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.9	17.3	17.9	18.0	17.3	17.7	18.0	17.9	16.5	18.0	17.9	17.3	17.7
2	CHPD to BPA CEAEA for Rocky Reach	37.0	37.3	37.0	35.8	36.9	37.2	35.8	36.6	37.2	37.0	34.1	37.2	37.0	35.8	36.6
3	DOPD to BPA CEAEA for Wells	23.7	23.9	23.7	22.9	23.7	23.8	22.9	23.4	23.8	23.7	21.9	23.8	23.7	22.9	23.4
4	GCPD to BPA CEAEA for Priest Rapids	29.5	29.8	29.5	28.5	29.4	29.6	28.5	29.1	29.7	28.9	26.7	29.0	28.9	28.0	29.0
5	GCPD to BPA CEAEA for Wanpum	28.3	28.6	28.3	27.4	28.3	28.5	27.4	28.0	28.5	27.7	25.6	27.9	27.7	26.8	27.8
6	**Total Imports From PNW**	**136**	**138**	**136**	**132**	**136**	**137**	**132**	**135**	**137**	**135**	**125**	**136**	**135**	**131**	**135**
	Total Imports															
7	Federal Entities	136	138	136	132	136	137	132	135	137	135	125	136	135	131	135
8	**Total Imports**	**136**	**138**	**136**	**132**	**136**	**137**	**132**	**135**	**137**	**135**	**125**	**136**	**135**	**131**	**135**

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

Operating Year 2018

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.9	17.3	17.9	17.3	18.0	17.7	18.0	16.5	17.9	18.0	17.9	17.3	17.7
2	CHPD to BPA CEAEA for Rocky Reach	37.0	37.3	37.0	35.8	36.9	35.8	37.2	36.6	37.2	33.6	36.4	36.6	36.4	35.2	36.4
3	DOPD to BPA CEAEA for Wells	23.7	23.9	23.7	22.9	23.7	22.9	23.8	23.4	23.8	21.3	23.1	23.2	23.1	22.4	23.2
4	GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	28.9	28.0	28.8	28.0	29.0	28.6	29.1	26.7	28.9	29.0	28.9	28.0	28.6
5	GCPD to BPA CEAEA for Wanpum	27.7	28.0	27.7	26.8	27.7	26.8	27.9	27.4	27.9	25.6	27.7	27.9	27.7	26.8	27.4
6	**Total Imports From PNW**	**135**	**137**	**135**	**131**	**135**	**131**	**136**	**134**	**136**	**124**	**134**	**135**	**134**	**130**	**133**
	Total Imports															
7	Federal Entities	135	137	135	131	135	131	136	134	136	124	134	135	134	130	133
8	**Total Imports**	**135**	**137**	**135**	**131**	**135**	**131**	**136**	**134**	**136**	**124**	**134**	**135**	**134**	**130**	**133**

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

Operating Year 2019

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.2	18.0	17.9	17.3	18.0	17.7	17.4	17.9	17.9	18.0	17.2	18.0	17.7
2	CHPD to BPA CEAEA for Rocky Reach	36.4	36.8	35.0	36.6	36.3	35.2	36.6	36.0	35.3	36.4	36.4	36.6	35.0	36.6	36.0
3	DOPD to BPA CEAEA for Wells	23.1	23.3	22.2	23.2	23.1	22.4	23.2	22.9	22.4	23.1	23.1	23.2	22.2	23.2	22.9
4	GCPD to BPA CEAEA for Priest Rapids	28.9	29.2	27.8	29.0	28.8	28.0	29.0	28.6	28.0	28.3	28.3	28.5	27.2	28.5	28.4
5	GCPD to BPA CEAEA for Wanpum	27.7	28.0	26.7	27.9	27.7	26.8	27.9	27.4	26.9	27.2	27.2	27.3	26.1	27.3	27.2
6	**Total Imports From PNW**	**134**	**135**	**129**	**135**	**134**	**130**	**135**	**133**	**130**	**133**	**133**	**134**	**128**	**134**	**132**
	Total Imports															
7	Federal Entities	134	135	129	135	134	130	135	133	130	133	133	134	128	134	132
8	**Total Imports**	**134**	**135**	**129**	**135**	**134**	**130**	**135**	**133**	**130**	**133**	**133**	**134**	**128**	**134**	**132**

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

Operating Year 2020

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.2	18.0	17.9	17.3	18.0	17.8	17.4	17.9	17.9	17.3	17.9	18.0	17.7
2	CHPD to BPA CEAEA for Rocky Reach	36.4	36.8	35.0	36.6	36.3	35.2	36.6	36.2	35.3	36.4	36.4	35.2	36.4	36.6	36.0
3	DOPD to BPA CEAEA for Wells	23.1	23.3	22.2	23.2	23.1	22.4	23.2	23.0	22.4	22.5	22.5	21.8	22.5	22.6	22.7
4	GCPD to BPA CEAEA for Priest Rapids	28.3	28.6	27.2	28.5	28.3	27.4	27.9	27.6	26.9	27.7	27.7	26.8	27.7	27.9	27.7
5	GCPD to BPA CEAEA for Wanpum	27.2	27.4	26.1	27.3	27.1	26.3	27.3	27.0	26.3	27.2	27.2	26.3	27.2	27.3	26.9
6	**Total Imports From PNW**	**133**	**134**	**128**	**134**	**133**	**129**	**133**	**132**	**128**	**132**	**132**	**127**	**132**	**132**	**131**
	Total Imports															
7	Federal Entities	133	134	128	134	133	129	133	132	128	132	132	127	132	132	131
8	**Total Imports**	**133**	**134**	**128**	**134**	**133**	**129**	**133**	**132**	**128**	**132**	**132**	**127**	**132**	**132**	**131**

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

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	16.8	17.9	18.0	17.2	18.0	17.3	17.7	18.0	17.9	17.9	17.3	17.9	18.0	17.7
2	CHPD to BPA CEAEA for Rocky Reach	36.4	34.1	36.4	36.6	35.0	36.6	35.2	36.0	36.6	36.4	36.4	35.2	36.4	36.6	36.0
3	DOPD to BPA CEAEA for Wells	22.5	21.1	22.5	22.6	21.6	22.6	21.8	22.3	22.7	22.5	22.5	21.8	22.5	22.6	22.3
4	GCPD to BPA CEAEA for Priest Rapids	27.7	26.0	27.7	27.9	26.6	27.9	26.8	27.4	27.9	27.7	27.7	26.8	27.7	27.9	27.4
5	GCPD to BPA CEAEA for Wanpum	27.2	25.5	27.2	27.3	26.1	27.3	26.3	26.9	27.3	27.2	27.2	26.3	27.2	27.3	26.9
6	**Total Imports From PNW**	**132**	**124**	**132**	**132**	**126**	**132**	**127**	**130**	**133**	**132**	**132**	**127**	**132**	**132**	**130**
	Total Imports															
7	Federal Entities	132	124	132	132	126	132	127	130	133	132	132	127	132	132	130
8	**Total Imports**	**132**	**124**	**132**	**132**	**126**	**132**	**127**	**130**	**133**	**132**	**132**	**127**	**132**	**132**	**130**

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

Operating Year 2022

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	16.5	18.1	17.9	17.3	17.9	18.0	17.3	17.7	18.0	17.9	17.9	17.3	17.9	17.3	17.7
2	CHPD to BPA CEAEA for Rocky Reach	33.6	36.8	36.4	35.2	36.3	36.6	35.2	36.0	36.6	36.4	36.4	35.2	36.4	35.2	35.9
3	DOPD to BPA CEAEA for Wells	20.8	22.8	22.5	21.8	22.5	22.6	21.8	22.3	22.7	22.5	22.5	21.8	22.5	21.8	22.2
4	GCPD to BPA CEAEA for Priest Rapids	25.6	28.0	27.7	26.8	27.7	27.9	26.8	27.4	27.9	27.7	27.7	26.8	27.7	26.8	27.4
5	GCPD to BPA CEAEA for Wanpum	25.1	27.4	27.2	26.3	27.1	27.3	26.3	26.9	27.3	27.2	27.2	26.3	27.2	26.3	26.8
6	**Total Imports From PNW**	**122**	**133**	**132**	**127**	**132**	**132**	**127**	**130**	**133**	**132**	**132**	**127**	**132**	**127**	**130**
	Total Imports															
7	Federal Entities	122	133	132	127	132	132	127	130	133	132	132	127	132	127	130
8	**Total Imports**	**122**	**133**	**132**	**127**	**132**	**132**	**127**	**130**	**133**	**132**	**132**	**127**	**132**	**127**	**130**

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

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
	Pacific Northwest															
1	CHPD to BPA CEAEA for Rock Island	17.9	18.1	17.9	17.3	17.9	18.0	17.3	17.7	18.0	17.9	16.5	18.0	17.9	17.3	17.7
2	CHPD to BPA CEAEA for Rocky Reach	36.4	36.8	36.4	35.2	36.3	36.6	35.2	36.0	36.6	36.4	33.6	36.6	36.4	35.2	36.0
3	DOPD to BPA CEAEA for Wells	22.5	22.8	22.5	21.8	22.5	22.6	21.8	22.3	22.7	22.5	20.8	22.6	22.5	21.8	22.3
4	GCPD to BPA CEAEA for Priest Rapids	27.7	28.0	27.7	26.8	27.7	27.9	26.8	27.4	27.9	27.7	25.6	27.9	27.7	26.8	27.4
5	GCPD to BPA CEAEA for Wanpum	27.2	27.4	27.2	26.3	27.1	27.3	26.3	26.9	27.3	27.2	25.1	27.3	27.2	26.3	26.9
6	**Total Imports From PNW**	**132**	**133**	**132**	**127**	**132**	**132**	**127**	**130**	**133**	**132**	**122**	**132**	**132**	**127**	**130**
	Total Imports															
7	Federal Entities	132	133	132	127	132	132	127	130	133	132	122	132	132	127	130
8	**Total Imports**	**132**	**133**	**132**	**127**	**132**	**132**	**127**	**130**	**133**	**132**	**122**	**132**	**132**	**127**	**130**

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Exhibit 35
Federal Report Surplus Deficit By Water Year
80 Water Year Federal Surplus/Deficit

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

Federal Report Surplus Deficit By Water Year

Operating Year 2014

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

S104-WB-20121129-173308

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	376	184	-205	-172	135	-492	-769	-964	-502	-428	706	2029	2180	139	154
2	1930 Federal Report Surplus Deficit	-69.3	-671	77.4	-449	10.2	-471	-2024	-847	-639	-190	1333	1873	725	938	-49.0
3	1931 Federal Report Surplus Deficit	158	-497	21.6	-613	244	-977	-1916	-1732	-788	319	-1038	2431	1000	652	-176
4	1932 Federal Report Surplus Deficit	-576	-1092	-575	-486	-259	-587	-1982	-1879	1071	4343	4097	5254	5047	1319	867
5	1933 Federal Report Surplus Deficit	370	-3.68	405	-325	-267	283	1011	1812	1804	2200	1874	3761	5922	3051	1633
6	1934 Federal Report Surplus Deficit	1698	1729	-20.5	434	2314	4078	4640	4223	3312	4804	4243	4270	3082	1258	2811
7	1935 Federal Report Surplus Deficit	-589	-762	-235	-552	-492	17.6	1157	994	1121	2051	1356	3092	2518	1971	884
8	1936 Federal Report Surplus Deficit	1354	-147	-400	-342	87.5	-521	-1601	-1547	-195	497	3573	5318	4173	925	719
9	1937 Federal Report Surplus Deficit	165	-532	-432	-372	348	-417	-1668	-1521	-515	-125	-81.6	2816	1455	632	11.5
10	1938 Federal Report Surplus Deficit	226	-753	10.9	-502	-348	77.7	953	1252	1705	3409	4381	4496	3712	1866	1400
11	1939 Federal Report Surplus Deficit	23.5	-265	61.0	-202	17.5	-520	-538	-101	85.7	1930	2273	3983	1815	723	610
12	1940 Federal Report Surplus Deficit	-262	-923	-329	-161	543	155	-812	-613	1307	2328	2801	3566	2689	309	722
13	1941 Federal Report Surplus Deficit	-404	-896	-101	-277	-177	-125	-1026	-1351	-651	19.2	731	2630	2702	844	189
14	1942 Federal Report Surplus Deficit	-61.2	-689	226	-313	108	848	978	-501	-267	276	2283	3027	4301	2463	987
15	1943 Federal Report Surplus Deficit	855	256	625	-310	-334	109	1717	1519	2202	4937	5198	4571	5541	1545	1894
16	1944 Federal Report Surplus Deficit	167	-92.4	-118	-321	207	-516	-679	-812	-725	-389	1021	1562	206	320	-39.7
17	1945 Federal Report Surplus Deficit	-128	-889	-103	-471	19.1	-1509	-1608	-1100	-808	-716	-1103	3574	3991	118	58.1
18	1946 Federal Report Surplus Deficit	410	-344	43.4	-441	-36.0	249	746	1025	1390	3551	4621	4619	4314	2103	1507
19	1947 Federal Report Surplus Deficit	766	161	201	-355	191	2636	3505	2768	2417	2506	2290	4410	4664	2199	2121
20	1948 Federal Report Surplus Deficit	737	-12.9	26.0	1685	1552	1324	3058	1768	1279	2510	3977	5723	5870	2860	2397
21	1949 Federal Report Surplus Deficit	1836	1326	333	-110	132	165	1359	-351	2656	3311	4276	5430	4297	59.6	1621
22	1950 Federal Report Surplus Deficit	-500	-916	-483	-349	40.7	8.33	2939	1926	3561	4239	3459	4529	5035	2284	1882
23	1951 Federal Report Surplus Deficit	1602	1251	117	526	1861	2770	4140	4036	4494	4230	4042	4580	4231	2664	2909
24	1952 Federal Report Surplus Deficit	1710	514	57.0	1257	912	1415	2464	1968	2433	4271	4498	5471	4638	2011	2343
25	1953 Federal Report Surplus Deficit	636	-152	-435	-380	107	-508	172	771	995	1564	1875	4336	5999	2631	1301
26	1954 Federal Report Surplus Deficit	1193	587	-2.47	-187	420	923	2432	2285	2804	2780	2566	4554	4583	3443	2067
27	1955 Federal Report Surplus Deficit	2206	2140	2020	-61.0	991	495	-52.5	-991	-757	165	1504	3717	5770	3580	1487
28	1956 Federal Report Surplus Deficit	1949	719	-215	72.7	1477	2705	4106	3986	3561	4158	4770	5180	5848	2789	2932
29	1957 Federal Report Surplus Deficit	1242	450	94.2	41.3	85.8	999	1012	278	1636	4289	2743	5978	6008	1784	1862
30	1958 Federal Report Surplus Deficit	143	-639	-37.1	-254	220	-90.2	1336	779	1798	2650	3097	5308	5090	1424	1516
31	1959 Federal Report Surplus Deficit	30.4	-405	-144	-271	862	2157	3663	3222	2790	3425	2443	3832	5227	2029	2166
32	1960 Federal Report Surplus Deficit	1808	908	2072	2350	2397	2020	2168	1150	1572	5275	3851	3847	4275	1781	2463
33	1961 Federal Report Surplus Deficit	682	-196	-241	-170	220	312	1950	1236	2582	3643	1779	4512	5340	1579	1688
34	1962 Federal Report Surplus Deficit	96.4	-9.71	-248	-331	205	-186	1148	1035	246	4604	4533	4410	4759	88.0	1303
35	1963 Federal Report Surplus Deficit	529	-196	-230	111	1053	1828	1120	1326	685	1541	1859	3808	4843	1998	1532
36	1964 Federal Report Surplus Deficit	708	50.9	234	-352	-68.4	253	365	76.7	347	3261	1654	4252	5884	3323	1432
37	1965 Federal Report Surplus Deficit	1918	650	603	450	735	2848	4435	5085	3999	2372	4584	4778	4202	1994	2810
38	1966 Federal Report Surplus Deficit	1751	1255	-292	-3.34	479	539	1037	575	-88.3	4189	2281	3377	3058	2006	1287
39	1967 Federal Report Surplus Deficit	841	-89.9	-126	-358	-42.5	589	2829	2723	3530	1668	37.3	3816	5356	2573	1838
40	1968 Federal Report Surplus Deficit	1273	336	-6.69	-133	495	560	1886	2151	2108	1116	990	2277	4674	2283	1505
41	1969 Federal Report Surplus Deficit	1474	780	1050	552	1551	1436	3693	3899	2524	4208	4228	5339	4437	2213	2657
42	1970 Federal Report Surplus Deficit	317	-279	35.9	-214	301	-244	1043	846	1151	2069	1152	3936	5326	1037	1233
43	1971 Federal Report Surplus Deficit	389	-293	-217	-324	111	30.5	4170	4006	4122	4076	3778	5349	5744	3390	2518
44	1972 Federal Report Surplus Deficit	2162	1373	225	85.7	305	856	4230	3742	5408	4857	3187	5310	5744	3284	2910
45	1973 Federal Report Surplus Deficit	2134	2041	511	31.9	298	506	1097	95.4	-435	-1190	629	2370	2617	456	785
46	1974 Federal Report Surplus Deficit	-174	-777	-76.3	-532	-99.4	969	5234	5088	4505	4640	4609	5104	5441	3604	2765
47	1975 Federal Report Surplus Deficit	2109	1350	335	-386	163	63.1	1008	1544	2188	1514	1775	4347	5740	3837	1851
48	1976 Federal Report Surplus Deficit	1496	757	434	687	1789	3635	3483	3498	3581	4500	4215	5126	4801	2910	2948
49	1977 Federal Report Surplus Deficit	2414	2452	2455	86.0	212	-489	-733	-500	-504	-768	796	1161	3.17	18.6	350
50	1978 Federal Report Surplus Deficit	-366	-1033	-722	-555	-542	1019	1012	895	1181	4187	2498	4199	3014	1953	1175
51	1979 Federal Report Surplus Deficit	387	-59.0	1150	118	224	-275	421	-898	1193	1211	1934	5000	2060	153	917
52	1980 Federal Report Surplus Deficit	-506	-814	-325	-359	175	-746	-410	-206	-417	2470	2834	5437	4724	595	870
53	1981 Federal Report Surplus Deficit	-82.7	-699	-14.3	-235	141	2268	2571	997	728	270	2723	5005	5787	2526	1744
54	1982 Federal Report Surplus Deficit	1786	1797	30.0	-251	511	1122	2666	3603	4904	3742	3206	5039	5295	2686	2566
55	1983 Federal Report Surplus Deficit	2098	1466	1123	595	592	1383	3113	2523	3952	3511	2635	4723	4480	2690	2503
56	1984 Federal Report Surplus Deficit	1806	733	331	-85.1	2042	1331	2229	2317	2584	4803	4533	4603	5957	2956	2509
57	1985 Federal Report Surplus Deficit	971	216	335	-29.0	587	473	624	487	983	2959	3239	4702	2946	-747	1169
58	1986 Federal Report Surplus Deficit	-801	-1266	-355	-249	1328	302	1815	2305	5263	3980	3718	3561	4517	1341	1877

Federal Report Surplus Deficit By Water Year

Operating Year 2014

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

S104-WB-20121129-173308Continued

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	480	-252	-156	-387	105	554	-130	-1319	746	820	1526	4115	2614	416	666
60	1988 Federal Report Surplus Deficit	-675	-1259	-256	-528	-27.4	-788	-1621	-1466	-645	-29.3	1617	2460	2493	1021	43.2
61	1989 Federal Report Surplus Deficit	-243	-706	54.7	-753	-330	-67.7	-677	-892	562	3042	4096	4027	2686	293	669
62	1990 Federal Report Surplus Deficit	-165	-813	-181	-450	287	395	1441	1710	2447	2406	4739	3784	4396	1643	1539
63	1991 Federal Report Surplus Deficit	1310	527	-270	-564	1833	1587	2382	2707	2525	3249	2715	4344	4146	2775	2107
64	1992 Federal Report Surplus Deficit	1774	1523	-191	-427	165	-431	-643	-849	-1.06	306	1036	3374	2162	42.3	468
65	1993 Federal Report Surplus Deficit	-640	-1051	-196	-639	0.38	-296	-1847	-1637	382	755	1433	3868	3311	1333	386
66	1994 Federal Report Surplus Deficit	165	-331	127	-544	445	-333	-1518	-1519	-506	-196	1334	3176	2672	860	286
67	1995 Federal Report Surplus Deficit	-126	-766	-11.7	-734	-347	-689	-216	1023	1630	2986	1800	3316	4804	1753	1031
68	1996 Federal Report Surplus Deficit	419	-110	563	160	2666	4777	4904	4259	5293	3981	5098	5015	5128	3213	3383
69	1997 Federal Report Surplus Deficit	1947	731	-236	-226	481	1392	4861	5125	5382	4217	5008	5028	5706	3335	3052
70	1998 Federal Report Surplus Deficit	2014	1022	1068	1870	1415	1036	728	1066	951	1465	2482	5696	5607	1930	2074
71	1999 Federal Report Surplus Deficit	1095	-300	11.6	-281	-118	897	3361	3487	4165	3111	3585	4611	5757	3162	2390
72	2000 Federal Report Surplus Deficit	2252	2134	608	-115	2093	1893	1623	1439	1920	4147	4515	3817	2972	1602	2031
73	2001 Federal Report Surplus Deficit	958	-628	-206	-274	108	-475	-726	-709	-594	-481	700	1953	-302	349	-46.6
74	2002 Federal Report Surplus Deficit	-374	-773	-553	-1190	-424	-611	-1139	-598	-250	3183	3738	3045	4826	2708	723
75	2003 Federal Report Surplus Deficit	616	-134	59.2	-520	347	-373	-1198	-877	1607	2362	2151	3226	4503	352	804
76	2004 Federal Report Surplus Deficit	-433	-1092	-441	-301	269	310	-550	-631	-107	822	2245	3698	3248	579	573
77	2005 Federal Report Surplus Deficit	-223	-499	130	-109	202	816	800	146	146	203	1445	3885	3462	799	898
78	2006 Federal Report Surplus Deficit	157	-617	47.4	-593	198	312	1423	2514	2110	4928	4565	5503	4638	1426	1828
79	2007 Federal Report Surplus Deficit	-280	-946	-162	-493	361	258	1580	582	2858	3059	2476	3927	2823	1806	1311
80	2008 Federal Report Surplus Deficit	199	-892	-518	-295	148	-265	-185	-367	374	1401	622	5229	5986	2226	1087

Ranked Averages

81	**Bottom 10 pct**	**119**	**-548**	**-153**	**-400**	**130**	**-706**	**-1376**	**-1144**	**-652**	**-255**	**394**	**2337**	**1468**	**521**	**-5.57**
82	**Middle 80 pct**	**634**	**17.9**	**119**	**-158**	**365**	**462**	**1090**	**911**	**1526**	**2536**	**2714**	**4225**	**4325**	**1742**	**1462**
83	**Top 10 pct**	**1649**	**888**	**184**	**274**	**1453**	**2883**	**4350**	**4244**	**4379**	**4140**	**4393**	**4911**	**4843**	**2681**	**2969**

Federal Report Surplus Deficit By Water Year

Operating Year 2015

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

S104-WB-20121129-173308

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	1037	706	-297	-426	-166	-724	-974	-928	-666	-612	744	1247	1217	-719	-122
2	1930 Federal Report Surplus Deficit	156	-485	-63.3	-509	-157	-665	-1617	-832	-605	-162	1182	1409	-800	700	-230
3	1931 Federal Report Surplus Deficit	392	-308	-106	-541	-41.4	-608	-2034	-1887	-903	262	-313	1986	-74.2	336	-312
4	1932 Federal Report Surplus Deficit	-384	-948	-615	-632	-554	-714	-2215	-1934	1429	3318	3850	4791	4253	998	653
5	1933 Federal Report Surplus Deficit	1308	844	332	-406	-561	481	728	1781	1437	1992	1631	3337	5129	2811	1491
6	1934 Federal Report Surplus Deficit	1729	1874	46.9	173	2011	3892	4403	3993	3114	4457	3925	3711	2221	884	2529
7	1935 Federal Report Surplus Deficit	63.5	-211	-360	-453	-868	257	940	1235	1639	1120	1104	2731	1775	1809	812
8	1936 Federal Report Surplus Deficit	1492	49.3	-514	-566	-267	-713	-1344	-1467	-397	590	3420	4816	3303	500	518
9	1937 Federal Report Surplus Deficit	399	-344	-554	-566	-12.9	-640	-1519	-1748	-768	-279	-255	2089	364	71.8	-284
10	1938 Federal Report Surplus Deficit	39.2	-567	-89.0	-407	-470	575	850	777	1261	3205	4141	4051	3351	1406	1225
11	1939 Federal Report Surplus Deficit	412	56.7	-43.8	-360	-281	-743	-251	-293	31.2	1764	2098	3486	350	276	365
12	1940 Federal Report Surplus Deficit	-28.8	-737	-448	-268	82.0	489	-163	-1048	2241	1909	1569	2804	719	220	510
13	1941 Federal Report Surplus Deficit	-182	-711	-237	-425	-356	269	-1197	-986	-426	-60.1	528	2150	586	736	-1.59
14	1942 Federal Report Surplus Deficit	173	-500	205	-509	244	685	475	210	485	601	1938	2432	2489	2220	839
15	1943 Federal Report Surplus Deficit	1086	450	619	-376	-634	109	1359	1820	1978	4728	4942	4108	4741	1299	1710
16	1944 Federal Report Surplus Deficit	927	581	-241	-637	-152	-748	-898	-881	-735	-592	771	920	-843	-88.9	-284
17	1945 Federal Report Surplus Deficit	117	-701	-258	-472	-211	-1128	-1827	-1249	-713	-748	-566	3123	3202	-293	-62.4
18	1946 Federal Report Surplus Deficit	642	-155	-95.5	-584	-332	516	582	691	1397	3335	4416	4155	3516	1857	1318
19	1947 Federal Report Surplus Deficit	1542	824	88.2	-635	-10.5	2553	2553	2551	2922	2354	2030	3996	3905	2072	1946
20	1948 Federal Report Surplus Deficit	977	173	-114	1407	1248	1260	2820	1691	1285	2333	3762	5231	5066	2679	2184
21	1949 Federal Report Surplus Deficit	2222	2298	852	-382	-173	116	967	20.8	2412	3141	3726	4640	3540	-265	1458
22	1950 Federal Report Surplus Deficit	-205	-674	-610	-522	-260	131	2713	2415	2890	4063	3185	4046	4252	2107	1688
23	1951 Federal Report Surplus Deficit	2211	2035	113	243	1557	2687	3945	4301	3886	3927	3803	4085	3059	2566	2695
24	1952 Federal Report Surplus Deficit	2126	1408	52.9	990	608	1351	2228	2137	1581	4057	4563	5038	4120	1522	2140
25	1953 Federal Report Surplus Deficit	1261	404	-549	-635	-412	-651	512	636	1101	1361	1569	3857	5204	2438	1150
26	1954 Federal Report Surplus Deficit	1429	779	-6.68	-469	115	865	2055	2061	2265	2548	2385	4126	3928	3233	1811
27	1955 Federal Report Surplus Deficit	2645	2626	2060	-333	687	444	-275	-469	-239	446	1303	3095	4773	3326	1389
28	1956 Federal Report Surplus Deficit	1962	1547	-219	-194	1173	2622	4287	3186	3277	3929	4521	4728	5068	2592	2705
29	1957 Federal Report Surplus Deficit	2065	1784	-7.44	-242	-218	936	875	387	1360	4167	2222	5343	5203	1780	1718
30	1958 Federal Report Surplus Deficit	753	200	-175	-465	-81.6	-172	1201	692	1735	2504	2912	4884	4307	1038	1346
31	1959 Federal Report Surplus Deficit	619	83.6	-278	-292	380	2010	3425	3153	2339	3222	2247	3386	4447	1676	1935
32	1960 Federal Report Surplus Deficit	2269	2086	2205	2101	2093	1938	1933	895	1312	5004	3602	3350	3452	1676	2290
33	1961 Federal Report Surplus Deficit	917	-9.26	-382	-432	-131	262	1749	1125	2443	2893	1542	3980	4546	1588	1452
34	1962 Federal Report Surplus Deficit	564	379	-367	-576	-94.8	-169	901	891	-21.8	4460	4290	3941	3967	-101	1093
35	1963 Federal Report Surplus Deficit	584	159	-357	-4.84	589	1763	1642	1365	1140	1045	1362	3062	2705	1770	1272
36	1964 Federal Report Surplus Deficit	902	279	90.7	-597	-364	155	118	-237	-7.36	3102	1404	3711	5095	3145	1167
37	1965 Federal Report Surplus Deficit	2029	2077	621	179	430	2765	4732	4277	3587	2019	4345	4325	3415	2152	2637
38	1966 Federal Report Surplus Deficit	2292	2232	-244	-278	168	487	790	379	29.4	4019	2153	2533	2253	1766	1106
39	1967 Federal Report Surplus Deficit	1037	97.8	-252	-600	-343	477	2753	2542	2743	1468	-52.8	3280	4553	2461	1569
40	1968 Federal Report Surplus Deficit	1836	1208	-11.0	-413	188	510	1689	1441	2483	913	787	1835	3800	2048	1328
41	1969 Federal Report Surplus Deficit	1711	1151	1045	281	1247	1372	3451	3617	2321	3931	3991	4878	3651	2015	2428
42	1970 Federal Report Surplus Deficit	1541	662	-100	-447	2.93	-318	853	1262	1167	1881	476	3178	4455	1107	1115
43	1971 Federal Report Surplus Deficit	446	60.8	-343	-594	-191	-83.6	3372	4437	3902	3852	3688	4889	4957	3107	2274
44	1972 Federal Report Surplus Deficit	2519	2069	561	-198	0.39	805	3989	3510	5159	4596	2984	4848	4961	3061	2729
45	1973 Federal Report Surplus Deficit	2578	2355	992	-247	-6.32	456	1006	125	-475	-1393	426	1909	468	137	535
46	1974 Federal Report Surplus Deficit	49.2	-592	-219	-492	-622	1542	4977	4779	4397	4410	4374	4651	4658	3366	2583
47	1975 Federal Report Surplus Deficit	2448	2255	879	-686	-140	17.2	717	1291	1874	1311	1572	3854	4935	3653	1684
48	1976 Federal Report Surplus Deficit	2053	1333	430	416	1485	3550	3247	3237	3309	4284	3976	4673	3744	2855	2728
49	1977 Federal Report Surplus Deficit	2571	2658	2495	-186	-90.0	-724	-955	-663	-476	-1022	601	760	-1424	-29.3	97.9
50	1978 Federal Report Surplus Deficit	-188	-891	-824	-924	-645	1166	998	1125	961	3970	2321	3747	2226	2134	1047
51	1979 Federal Report Surplus Deficit	627	129	1145	-154	-74.1	-203	371	-609	921	1008	1722	4074	930	-354	657
52	1980 Federal Report Surplus Deficit	-284	-628	-457	-519	-133	-971	-58.7	-398	-434	2321	2623	4981	3910	399	695
53	1981 Federal Report Surplus Deficit	454	-251	-108	-435	-157	2093	2275	1917	1436	-36.4	1775	3387	4914	2267	1544
54	1982 Federal Report Surplus Deficit	1845	1895	140	-490	171	1059	2422	3511	4834	3605	2987	4562	4497	2679	2373
55	1983 Federal Report Surplus Deficit	2488	2267	1619	324	288	1320	2853	2316	3685	3307	2163	4131	3545	2782	2334
56	1984 Federal Report Surplus Deficit	2302	2005	327	-357	1738	1267	1952	2104	2441	4585	4033	4154	4970	2710	2310
57	1985 Federal Report Surplus Deficit	1523	706	283	-306	283	423	361	225	737	2756	2953	4210	1824	-980	919
58	1986 Federal Report Surplus Deficit	-577	-1081	-438	228	1072	207	1525	2132	4967	3762	3515	3125	3735	1095	1697

Federal Report Surplus Deficit By Water Year

Operating Year 2015

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	714	-63.9	-286	-649	-200	504	95.5	-552	524	617	1328	2947	1686	-44.8	449
60	1988 Federal Report Surplus Deficit	-452	-1072	-391	-609	-244	-1004	-1463	-1698	-541	16.2	1347	1950	489	926	-215
61	1989 Federal Report Surplus Deficit	-20.9	-518	-90.0	-651	-453	234	-843	-1402	551	2898	3861	3565	1906	-330	473
62	1990 Federal Report Surplus Deficit	63.4	-627	-314	-538	279	622	1153	1662	1928	2036	4488	3387	3635	1244	1328
63	1991 Federal Report Surplus Deficit	1617	884	-275	-843	1376	1537	2122	2477	2200	2990	2117	3813	3569	2622	1861
64	1992 Federal Report Surplus Deficit	1832	1747	-195	-707	-139	-418	-291	-520	378	-28.0	597	1697	-50.2	-164	146
65	1993 Federal Report Surplus Deficit	-444	-905	-281	-552	-290	-301	-1899	-1833	211	597	1319	3512	2751	763	207
66	1994 Federal Report Surplus Deficit	402	-141	16.8	-594	155	-396	-1410	-995	-672	-352	1207	2793	1544	510	130
67	1995 Federal Report Surplus Deficit	96.7	-580	-150	-687	-636	-221	-430	1010	2380	1477	1149	2656	3958	1536	869
68	1996 Federal Report Surplus Deficit	620	82.7	522	420	2362	4594	4684	4442	4956	3855	4816	4549	4455	2991	3214
69	1997 Federal Report Surplus Deficit	2148	1916	-130	-507	176	1329	4649	4795	5162	3998	4752	4590	4940	3144	2869
70	1998 Federal Report Surplus Deficit	2523	2219	1314	1621	1111	984	906	636	732	1269	1924	4935	4693	1877	1905
71	1999 Federal Report Surplus Deficit	1534	87.4	-121	-524	-479	889	3194	3325	3990	2908	3065	4104	4958	2966	2167
72	2000 Federal Report Surplus Deficit	2462	2340	781	-337	1742	1827	1393	1201	1708	3902	4226	3121	2309	1627	1820
73	2001 Federal Report Surplus Deficit	1168	-440	-341	-504	-195	-710	-935	-899	-469	-729	756	1457	-1722	-78.6	-330
74	2002 Federal Report Surplus Deficit	-152	-586	-628	-990	-662	-205	-931	-481	-165	2147	3530	2635	4050	2462	629
75	2003 Federal Report Surplus Deficit	1413	615	-74.0	-795	52.6	-587	-943	-837	1430	2159	1948	2790	3757	-274	634
76	2004 Federal Report Surplus Deficit	-198	-905	-520	-428	-89.5	759	-405	-1284	480	1384	1398	2809	2148	-5.09	367
77	2005 Federal Report Surplus Deficit	11.8	-305	118	-349	-102	764	553	395	106	-0.65	1242	3334	2442	302	670
78	2006 Federal Report Surplus Deficit	379	-428	-83.4	-441	-106	235	1144	2283	1906	4520	4366	5070	3914	1081	1607
79	2007 Federal Report Surplus Deficit	328	-103	-292	-891	349	285	1437	351	2883	2853	2236	3380	1962	1561	1146
80	2008 Federal Report Surplus Deficit	351	-704	-584	-392	-201	-64.5	-316	-319	180	1299	259	4690	5175	2007	902

Ranked Averages

81	**Bottom 10 pct**	**468**	**-258**	**-281**	**-533**	**-147**	**-779**	**-1408**	**-1265**	**-675**	**-355**	**458**	**1773**	**229**	**107**	**-230**
82	**Middle 80 pct**	**1009**	**486**	**90.5**	**-319**	**111**	**514**	**945**	**874**	**1446**	**2290**	**2401**	**3640**	**3337**	**1460**	**1266**
83	**Top 10 pct**	**1699**	**1308**	**210**	**-16.4**	**820**	**2487**	**4314**	**4066**	**4217**	**3877**	**4196**	**4556**	**4287**	**2841**	**2770**

Federal Report Surplus Deficit By Water Year

Operating Year 2016

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

S104-WB-20121129-173308

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	717	681	-500	-405	-136	-681	-929	-727	-627	-597	761	1667	1989	-529	-8.20
2	1930 Federal Report Surplus Deficit	-38.1	-361	-477	-488	-127	-622	-1572	-631	-566	-147	1199	1830	-31.0	892	-121
3	1931 Federal Report Surplus Deficit	199	-371	-757	-520	-11.3	-565	-1990	-1687	-865	277	-298	2407	696	528	-234
4	1932 Federal Report Surplus Deficit	-429	-1074	-687	-611	-525	-671	-2171	-1734	1470	3337	3870	5217	5028	1190	781
5	1933 Federal Report Surplus Deficit	976	921	-216	-385	-532	525	776	1985	1478	2010	1648	3760	5906	3006	1586
6	1934 Federal Report Surplus Deficit	1630	1789	-218	195	2043	3940	4455	4200	3157	4478	3946	4131	2994	1077	2654
7	1935 Federal Report Surplus Deficit	-204	-455	-849	-432	-839	301	988	1439	1681	1137	1121	3155	2547	2003	900
8	1936 Federal Report Surplus Deficit	1547	198	-699	-545	-237	-671	-1299	-1267	-358	606	3440	5241	4080	692	654
9	1937 Federal Report Surplus Deficit	306	-487	-772	-545	17.2	-597	-1474	-1548	-730	-264	-240	2511	1135	263	-169
10	1938 Federal Report Surplus Deficit	168	-495	-830	-385	-441	620	897	980	1302	3225	4162	4475	4130	1594	1320
11	1939 Federal Report Surplus Deficit	271	-289	-314	-339	-251	-700	-205	-90.9	70.5	1781	2116	3930	1121	467	470
12	1940 Federal Report Surplus Deficit	-169	-586	-713	-246	112	533	-117	-847	2283	1926	1587	3228	1490	412	633
13	1941 Federal Report Surplus Deficit	-59.8	-668	-856	-404	-326	313	-1152	-785	-387	-44.9	544	2572	1357	928	99.4
14	1942 Federal Report Surplus Deficit	121	-486	-749	-488	274	730	522	412	525	617	1956	2854	3266	2414	906
15	1943 Federal Report Surplus Deficit	1001	220	131	-355	-605	153	1408	2025	2019	4750	4964	4532	5517	1492	1806
16	1944 Federal Report Surplus Deficit	924	391	-552	-617	-122	-705	-853	-679	-697	-578	787	1339	-74.1	102	-173
17	1945 Federal Report Surplus Deficit	-111	-894	-1088	-451	-181	-1086	-1783	-1048	-675	-734	-551	3554	3994	-124	-3.74
18	1946 Federal Report Surplus Deficit	407	-179	-664	-563	-302	560	629	894	1438	3359	4436	4579	4294	2060	1409
19	1947 Federal Report Surplus Deficit	1481	711	-240	-614	19.7	2600	2603	2757	2965	2372	2048	4419	4680	2266	2063
20	1948 Federal Report Surplus Deficit	1151	62.8	-325	1431	1280	1306	2870	1895	1326	2351	3782	5656	5842	2873	2318
21	1949 Federal Report Surplus Deficit	2053	2108	604	-361	-143	160	1015	223	2454	3159	3746	5064	4335	-96.9	1567
22	1950 Federal Report Surplus Deficit	-263	-714	-911	-501	-230	175	2763	2621	2933	4082	3204	4496	5028	2300	1813
23	1951 Federal Report Surplus Deficit	2141	1813	-138	265	1590	2734	3997	4509	3931	3947	3823	4539	3840	2761	2820
24	1952 Federal Report Surplus Deficit	1860	1608	-201	1013	639	1396	2278	2342	1622	4076	4584	5463	4907	1701	2266
25	1953 Federal Report Surplus Deficit	862	-23.7	-795	-614	-382	-608	560	839	1142	1378	1586	4279	5981	2632	1242
26	1954 Federal Report Surplus Deficit	887	444	-261	-447	146	910	2104	2266	2307	2567	2403	4553	4703	3431	1904
27	1955 Federal Report Surplus Deficit	2373	2356	1827	-312	718	488	-229	-267	-200	462	1320	3519	5550	3518	1490
28	1956 Federal Report Surplus Deficit	1877	1263	-489	-172	1205	2669	4113	3675	3320	3940	4542	5153	5844	2787	2822
29	1957 Federal Report Surplus Deficit	2013	1727	-260	-220	-189	981	923	590	1401	4188	2240	5768	5980	1973	1838
30	1958 Federal Report Surplus Deficit	952	393	-473	-443	-51.5	-128	1249	895	1776	2522	2931	5309	5082	1230	1486
31	1959 Federal Report Surplus Deficit	236	34.3	-490	-271	411	2057	3476	3360	2381	3241	2265	3807	5223	1869	2052
32	1960 Federal Report Surplus Deficit	2245	2003	2095	2126	2126	1984	1982	1099	1353	5020	3622	3772	4232	1869	2422
33	1961 Federal Report Surplus Deficit	1001	-81.3	-584	-411	-101	306	1798	1329	2486	2912	1559	4400	5322	1782	1583
34	1962 Federal Report Surplus Deficit	832	414	-612	-555	-64.7	-125	949	1094	17.4	4470	4311	4355	4742	90.1	1233
35	1963 Federal Report Surplus Deficit	586	-70.5	-617	16.9	620	1809	1690	1466	1289	1062	1379	3486	3479	1962	1391
36	1964 Federal Report Surplus Deficit	861	147	-159	-576	-334	199	165	-34.7	31.9	3122	1421	4137	5872	3341	1284
37	1965 Federal Report Surplus Deficit	1943	1992	358	201	461	2813	4785	4484	3630	2036	4366	4749	4194	2341	2763
38	1966 Federal Report Surplus Deficit	2184	2144	-550	-256	199	532	838	581	68.7	4039	2170	2957	3026	1960	1220
39	1967 Federal Report Surplus Deficit	1298	-9.88	-477	-579	-314	522	2804	2747	2785	1485	-37.7	3739	5329	2653	1711
40	1968 Federal Report Surplus Deficit	1824	1123	-264	-392	218	554	1738	1646	2525	930	803	2256	4586	2241	1453
41	1969 Federal Report Surplus Deficit	1641	1140	799	304	1279	1417	3502	3863	2315	3951	4011	5303	4433	2208	2558
42	1970 Federal Report Surplus Deficit	1509	530	-337	-425	33.1	-275	901	1466	1207	1899	492	3609	5231	1300	1238
43	1971 Federal Report Surplus Deficit	38.8	-324	-553	-573	-161	-40.0	3423	4645	3956	3869	3708	5314	5733	3304	2380
44	1972 Federal Report Surplus Deficit	2434	1984	308	-176	30.6	850	4040	3717	5205	4630	3003	5273	5738	3258	2854
45	1973 Federal Report Surplus Deficit	2492	2271	751	-226	23.9	501	1054	328	-437	-1380	442	2330	1239	328	655
46	1974 Federal Report Surplus Deficit	46.1	-698	-817	-471	-593	1588	5030	4988	4456	4431	4395	5075	5434	3562	2687
47	1975 Federal Report Surplus Deficit	2387	2195	643	-666	-110	61.0	765	1495	1915	1328	1589	4277	5712	3851	1808
48	1976 Federal Report Surplus Deficit	2018	1393	167	438	1517	3598	3298	3443	3352	4302	3996	5097	4544	3045	2862
49	1977 Federal Report Surplus Deficit	2391	2481	2262	-164	-59.9	-682	-910	-462	-437	-1008	617	1180	-656	162	209
50	1978 Federal Report Surplus Deficit	-328	-995	-1311	-904	-615	1211	1046	1190	1139	3989	2340	4170	2999	2328	1146
51	1979 Federal Report Surplus Deficit	546	-16.7	418	-132	-44.0	-159	418	-407	961	1024	1739	4506	1702	-163	733
52	1980 Federal Report Surplus Deficit	-325	-657	-565	-498	-103	-929	-12.1	-196	-395	2339	2642	5406	4697	577	828
53	1981 Federal Report Surplus Deficit	272	-461	-331	-414	-127	2140	2325	2122	1477	-21.2	1792	3808	5694	2462	1660
54	1982 Federal Report Surplus Deficit	1853	1814	90.4	-469	201	1104	2472	3902	4704	3625	3007	4987	5273	2874	2519
55	1983 Federal Report Surplus Deficit	2236	2118	1156	346	318	1365	2904	2521	3729	3327	2181	4575	4321	2982	2431
56	1984 Federal Report Surplus Deficit	2191	2151	289	-336	1771	1313	2001	2309	2483	4607	4054	4578	5747	2905	2458
57	1985 Federal Report Surplus Deficit	2022	949	53.9	-284	313	467	408	428	777	2775	2972	4644	2597	-790	1079
58	1986 Federal Report Surplus Deficit	-688	-961	-745	250	1103	251	1574	2337	5111	3782	3535	3548	4515	1283	1832

Federal Report Surplus Deficit By Water Year

Operating Year 2016

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	629	-220	-512	-628	-171	548	142	-350	564	633	1345	3371	2458	146	566
60	1988 Federal Report Surplus Deficit	-385	-877	-941	-588	-214	-962	-1418	-1498	-502	31.4	1364	2371	1259	1119	-105
61	1989 Federal Report Surplus Deficit	150	-511	-886	-630	-423	278	-798	-1202	591	2919	3881	3988	2678	-139	558
62	1990 Federal Report Surplus Deficit	-99.1	-484	-661	-517	309	667	1201	1867	1970	2053	4509	3810	4413	1437	1450
63	1991 Federal Report Surplus Deficit	1323	716	-533	-823	1408	1583	2172	2682	2242	3009	2135	4235	4343	2817	1972
64	1992 Federal Report Surplus Deficit	1747	1661	-428	-686	-109	-375	-245	-318	418	-12.9	613	2118	720	26.7	265
65	1993 Federal Report Surplus Deficit	-365	-838	-1145	-531	-260	-257	-1855	-1633	250	613	1336	3935	3525	956	284
66	1994 Federal Report Surplus Deficit	454	-36.8	-569	-573	185	-353	-1365	-794	-634	-337	1224	3215	2316	702	233
67	1995 Federal Report Surplus Deficit	33.8	-608	-726	-666	-607	-178	-384	1213	2422	1494	1165	3080	4750	1710	967
68	1996 Federal Report Surplus Deficit	536	101	-215	443	2396	4643	4737	4650	4987	3905	4841	4974	5231	3186	3306
69	1997 Federal Report Surplus Deficit	2117	1830	-450	-486	207	1374	4701	5004	5208	4011	4773	5014	5717	3336	2993
70	1998 Federal Report Surplus Deficit	2364	2139	1109	1644	1142	1029	954	840	773	1286	1942	5360	5494	2029	2023
71	1999 Federal Report Surplus Deficit	1853	458	-376	-503	-449	934	3245	3531	4034	2927	3084	4555	5735	3161	2331
72	2000 Federal Report Surplus Deficit	2334	2295	534	-316	1774	1873	1442	1405	1750	3929	4246	3546	3084	1820	1941
73	2001 Federal Report Surplus Deficit	1083	-630	-581	-483	-165	-668	-889	-698	-430	-714	772	1877	-955	113	-216
74	2002 Federal Report Surplus Deficit	-213	-753	-1511	-970	-633	-162	-885	-280	-126	2165	3550	3057	4825	2658	693
75	2003 Federal Report Surplus Deficit	1113	178	-501	-774	82.8	-544	-897	-635	1471	2177	1965	3212	4539	-95.1	712
76	2004 Federal Report Surplus Deficit	-492	-859	-980	-407	-59.4	803	-358	-1083	520	1401	1415	3231	2921	186	463
77	2005 Federal Report Surplus Deficit	-243	-500	367	-328	-71.9	808	600	598	145	14.5	1259	3758	3216	494	819
78	2006 Federal Report Surplus Deficit	329	-420	-523	-420	-75.8	279	1192	2489	1947	4528	4386	5495	4712	1226	1718
79	2007 Federal Report Surplus Deficit	352	-190	-752	-870	380	329	1486	554	2926	2872	2254	3805	2735	1754	1252
80	2008 Federal Report Surplus Deficit	150	-603	-1085	-371	-171	-20.9	-269	-117	220	1316	275	5123	5951	2201	1003

Ranked Averages

81	**Bottom 10 pct**	**337**	**-318**	**-709**	**-512**	**-117**	**-736**	**-1364**	**-1064**	**-637**	**-341**	**474**	**2194**	**1002**	**296**	**-129**
82	**Middle 80 pct**	**927**	**421**	**-249**	**-298**	**141**	**558**	**993**	**1078**	**1490**	**2308**	**2419**	**4066**	**4114**	**1650**	**1380**
83	**Top 10 pct**	**1639**	**1210**	**-160**	**5.26**	**852**	**2534**	**4338**	**4309**	**4261**	**3900**	**4217**	**4984**	**5067**	**3034**	**2888**

Federal Report Surplus Deficit By Water Year

Operating Year 2017

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

S104-WB-20121129-173308

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	761	687	-481	-458	-217	-771	-1032	-980	-699	-662	750	1167	1202	-705	-181
2	1930 Federal Report Surplus Deficit	4.67	-356	-458	-541	-208	-713	-1675	-884	-638	-212	1188	1329	-818	715	-294
3	1931 Federal Report Surplus Deficit	242	-367	-738	-573	-92.3	-656	-2093	-1940	-937	213	-309	1906	-91.2	351	-405
4	1932 Federal Report Surplus Deficit	-387	-1071	-668	-663	-606	-761	-2274	-1987	1398	3273	3859	4725	4241	1014	613
5	1933 Federal Report Surplus Deficit	1020	927	-197	-438	-613	435	673	1732	1407	1945	1637	3259	5119	2829	1410
6	1934 Federal Report Surplus Deficit	1675	1796	-199	142	1962	3850	4352	3947	3085	4412	3935	3630	2207	900	2475
7	1935 Federal Report Surplus Deficit	-161	-450	-830	-484	-920	211	885	1185	1609	1072	1110	2654	1760	1826	724
8	1936 Federal Report Surplus Deficit	1591	203	-680	-597	-318	-761	-1402	-1520	-430	541	3429	4740	3290	515	485
9	1937 Federal Report Surplus Deficit	349	-482	-753	-597	-63.8	-688	-1577	-1801	-802	-328	-251	2011	348	86.7	-340
10	1938 Federal Report Surplus Deficit	211	-491	-811	-438	-522	529	794	727	1230	3161	4151	3974	3337	1424	1146
11	1939 Federal Report Surplus Deficit	314	-284	-295	-391	-332	-790	-308	-344	-1.26	1717	2105	3437	334	291	297
12	1940 Federal Report Surplus Deficit	-126	-582	-694	-299	31.3	443	-220	-1100	2211	1862	1576	2727	703	235	462
13	1941 Federal Report Surplus Deficit	-17.2	-664	-837	-456	-407	222	-1255	-1038	-459	-110	533	2071	570	752	-73.2
14	1942 Federal Report Surplus Deficit	164	-482	-730	-541	193	639	419	159	453	553	1945	2354	2478	2237	732
15	1943 Federal Report Surplus Deficit	1045	225	151	-407	-686	63.1	1305	1772	1948	4685	4953	4031	4730	1316	1630
16	1944 Federal Report Surplus Deficit	968	396	-533	-669	-203	-795	-956	-932	-769	-642	776	839	-861	-74.1	-346
17	1945 Federal Report Surplus Deficit	-68.1	-890	-1070	-503	-262	-1176	-1886	-1301	-747	-799	-562	3046	3207	-300	-176
18	1946 Federal Report Surplus Deficit	450	-174	-646	-615	-383	470	526	641	1366	3299	4425	4078	3494	1874	1234
19	1947 Federal Report Surplus Deficit	1518	716	-220	-667	-61.3	2510	2500	2504	2893	2307	2037	3925	3893	2090	1886
20	1948 Federal Report Surplus Deficit	1195	67.5	-306	1378	1199	1215	2767	1642	1254	2287	3771	5155	5055	2696	2144
21	1949 Federal Report Surplus Deficit	2098	2116	625	-413	-224	69.2	912	-29.9	2383	3094	3735	4563	3547	-272	1397
22	1950 Federal Report Surplus Deficit	-221	-710	-893	-553	-311	85.0	2660	2368	2861	4017	3193	3988	4241	2124	1635
23	1951 Federal Report Surplus Deficit	2187	1820	-119	213	1508	2644	3894	4256	3859	3879	3812	4021	3046	2584	2639
24	1952 Federal Report Surplus Deficit	1905	1615	-182	960	558	1306	2175	2089	1550	4010	4573	4962	4120	1525	2091
25	1953 Federal Report Surplus Deficit	906	-19.0	-777	-667	-463	-699	457	586	1070	1314	1575	3775	5194	2456	1068
26	1954 Federal Report Surplus Deficit	931	449	-242	-500	64.8	819	2001	2013	2235	2502	2392	4047	3916	3252	1728
27	1955 Federal Report Surplus Deficit	2419	2363	1849	-364	637	398	-332	-520	-272	398	1309	3018	4762	3344	1321
28	1956 Federal Report Surplus Deficit	1922	1270	-470	-225	1124	2579	4010	3422	3249	3883	4531	4652	5057	2609	2645
29	1957 Federal Report Surplus Deficit	2058	1734	-241	-273	-270	890	820	337	1329	4123	2229	5267	5192	1797	1667
30	1958 Federal Report Surplus Deficit	996	399	-454	-496	-133	-219	1146	642	1704	2458	2920	4808	4295	1054	1313
31	1959 Federal Report Surplus Deficit	279	39.1	-471	-324	330	1966	3373	3107	2309	3177	2254	3299	4436	1693	1874
32	1960 Federal Report Surplus Deficit	2291	2010	2117	2073	2045	1894	1879	846	1281	4960	3611	3271	3443	1693	2252
33	1961 Federal Report Surplus Deficit	1045	-76.7	-565	-464	-182	216	1695	1076	2414	2847	1548	3893	4535	1605	1409
34	1962 Federal Report Surplus Deficit	876	420	-593	-608	-146	-216	846	841	-54.4	4408	4300	3858	3955	-86.4	1059
35	1963 Federal Report Surplus Deficit	630	-65.9	-598	-35.8	539	1719	1587	1213	1217	997	1368	2984	2692	1786	1216
36	1964 Federal Report Surplus Deficit	905	152	-140	-629	-415	109	62.3	-288	-39.9	3057	1410	3638	5085	3163	1113
37	1965 Federal Report Surplus Deficit	1989	2000	378	148	380	2723	4682	4231	3560	1972	4355	4248	3406	2165	2584
38	1966 Federal Report Surplus Deficit	2229	2151	-531	-309	118	441	735	328	-3.05	3976	2159	2456	2239	1783	1047
39	1967 Federal Report Surplus Deficit	1342	-5.20	-458	-632	-395	431	2701	2494	2714	1420	-48.7	3225	4542	2478	1533
40	1968 Federal Report Surplus Deficit	1869	1129	-245	-445	137	464	1635	1393	2454	865	792	1756	3810	2059	1278
41	1969 Federal Report Surplus Deficit	1686	1146	819	251	1198	1327	3399	3610	2242	3886	4000	4802	3647	2032	2380
42	1970 Federal Report Surplus Deficit	1554	536	-318	-478	-47.9	-365	798	1212	1136	1834	481	3114	4444	1123	1063
43	1971 Federal Report Surplus Deficit	81.6	-320	-534	-626	-242	-130	3320	4392	3884	3810	3697	4813	4946	3134	2200
44	1972 Federal Report Surplus Deficit	2480	1991	328	-229	-50.4	760	3937	3464	5134	4562	2992	4772	4951	3086	2677
45	1973 Federal Report Surplus Deficit	2538	2278	771	-279	-57.2	410	951	74.8	-508	-1445	431	1829	451	152	481
46	1974 Federal Report Surplus Deficit	89.1	-694	-799	-523	-674	1498	4927	4735	4365	4366	4384	4575	4647	3386	2504
47	1975 Federal Report Surplus Deficit	2433	2202	663	-718	-191	-29.3	662	1242	1844	1263	1578	3777	4925	3675	1634
48	1976 Federal Report Surplus Deficit	2064	1400	187	386	1436	3508	3195	3190	3280	4236	3985	4597	3742	2870	2684
49	1977 Federal Report Surplus Deficit	2437	2489	2284	-217	-141	-772	-1013	-715	-509	-1072	606	679	-1443	-14.5	36.1
50	1978 Federal Report Surplus Deficit	-286	-991	-1292	-957	-696	1121	943	937	1067	3926	2329	3665	2212	2152	971
51	1979 Federal Report Surplus Deficit	590	-12.1	438	-185	-125	-250	315	-660	890	960	1728	4009	915	-340	561
52	1980 Federal Report Surplus Deficit	-282	-653	-547	-550	-184	-1019	-115	-449	-467	2275	2631	4905	3911	399	656
53	1981 Federal Report Surplus Deficit	315	-457	-311	-467	-208	2050	2222	1869	1405	-85.8	1781	3310	4904	2285	1484
54	1982 Federal Report Surplus Deficit	1898	1821	110	-522	120	1014	2369	3649	4623	3560	2996	4485	4486	2697	2340
55	1983 Federal Report Surplus Deficit	2281	2125	1177	293	237	1275	2801	2268	3658	3262	2170	4068	3534	2801	2256
56	1984 Federal Report Surplus Deficit	2236	2159	309	-389	1690	1222	1899	2056	2411	4542	4043	4077	4960	2729	2284
57	1985 Federal Report Surplus Deficit	2068	955	73.6	-337	232	377	305	175	706	2711	2961	4140	1810	-967	906
58	1986 Federal Report Surplus Deficit	-646	-957	-726	197	1022	161	1471	2084	4991	3718	3524	3047	3729	1105	1651

Federal Report Surplus Deficit By Water Year

Operating Year 2017

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	673	-216	-493	-681	-252	458	39.3	-603	492	568	1334	2870	1671	-30.0	394
60	1988 Federal Report Surplus Deficit	-343	-873	-922	-640	-295	-1052	-1521	-1751	-574	-33.2	1353	1870	472	943	-276
61	1989 Federal Report Surplus Deficit	193	-507	-867	-682	-504	188	-901	-1455	519	2854	3870	3488	1891	-315	388
62	1990 Federal Report Surplus Deficit	-56.5	-480	-642	-570	228	577	1098	1614	1898	1989	4498	3309	3626	1260	1274
63	1991 Federal Report Surplus Deficit	1368	721	-514	-875	1327	1493	2069	2429	2170	2945	2124	3736	3554	2640	1795
64	1992 Federal Report Surplus Deficit	1792	1668	-409	-738	-190	-465	-348	-571	346	-77.5	602	1617	-67.2	-150	92.0
65	1993 Federal Report Surplus Deficit	-323	-834	-1127	-583	-341	-347	-1958	-1886	178	549	1325	3434	2738	779	114
66	1994 Federal Report Surplus Deficit	497	-32.3	-551	-626	104	-443	-1468	-1047	-705	-402	1213	2714	1529	525	60.8
67	1995 Federal Report Surplus Deficit	76.7	-604	-707	-718	-688	-268	-486	960	2351	1429	1154	2578	3964	1532	791
68	1996 Federal Report Surplus Deficit	580	106	-196	390	2315	4553	4634	4397	4922	3830	4829	4473	4443	3009	3128
69	1997 Federal Report Surplus Deficit	2162	1837	-431	-538	126	1284	4598	4751	5121	3949	4762	4514	4930	3160	2812
70	1998 Federal Report Surplus Deficit	2410	2146	1130	1592	1061	939	851	586	701	1221	1931	4859	4706	1853	1851
71	1999 Federal Report Surplus Deficit	1898	464	-357	-556	-530	844	3142	3278	3963	2862	3073	4060	4948	2987	2153
72	2000 Federal Report Surplus Deficit	2380	2303	555	-368	1693	1783	1339	1152	1678	3862	4235	3045	2297	1643	1768
73	2001 Federal Report Surplus Deficit	1127	-626	-562	-536	-246	-758	-992	-951	-502	-779	761	1376	-1742	-63.9	-390
74	2002 Federal Report Surplus Deficit	-171	-749	-1493	-1023	-714	-252	-988	-533	-197	2100	3539	2556	4038	2481	520
75	2003 Federal Report Surplus Deficit	1158	183	-482	-827	1.80	-635	-1000	-888	1399	2113	1954	2712	3749	-265	541
76	2004 Federal Report Surplus Deficit	-450	-856	-961	-459	-140	713	-461	-1336	448	1336	1404	2730	2134	9.73	292
77	2005 Federal Report Surplus Deficit	-201	-496	387	-380	-153	718	498	345	73.6	-50.1	1248	3256	2428	317	645
78	2006 Federal Report Surplus Deficit	372	-416	-504	-473	-157	189	1089	2235	1876	4465	4375	4994	3923	1054	1541
79	2007 Federal Report Surplus Deficit	395	-185	-733	-923	299	239	1383	301	2854	2807	2243	3303	1948	1578	1079
80	2008 Federal Report Surplus Deficit	193	-600	-1067	-423	-252	-111	-372	-371	148	1252	264	4615	5164	2024	831

Ranked Averages

81	**Bottom 10 pct**	**380**	**-314**	**-690**	**-565**	**-198**	**-826**	**-1467**	**-1317**	**-708**	**-405**	**463**	**1693**	**215**	**119**	**-301**
82	**Middle 80 pct**	**971**	**426**	**-229**	**-351**	**59.9**	**468**	**890**	**825**	**1417**	**2244**	**2408**	**3565**	**3326**	**1474**	**1206**
83	**Top 10 pct**	**1684**	**1216**	**-140**	**-47.4**	**770**	**2443**	**4235**	**4056**	**4186**	**3835**	**4206**	**4481**	**4278**	**2859**	**2709**

Federal Report Surplus Deficit By Water Year

Operating Year 2018

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	723	647	-552	-468	-230	-824	-1097	-1045	-761	-682	628	1597	1858	-618	-120
2	1930 Federal Report Surplus Deficit	-34.0	-396	-528	-551	-221	-766	-1741	-949	-699	-232	1066	1759	-163	803	-234
3	1931 Federal Report Surplus Deficit	203	-407	-808	-583	-105	-709	-2159	-2006	-999	193	-432	2337	565	439	-344
4	1932 Federal Report Surplus Deficit	-426	-1110	-738	-673	-619	-815	-2340	-2053	1338	3254	3738	5147	4899	1102	674
5	1933 Federal Report Surplus Deficit	981	888	-267	-448	-626	382	608	1668	1346	1926	1515	3691	5777	2918	1472
6	1934 Federal Report Surplus Deficit	1636	1757	-269	132	1951	3799	4290	3884	3026	4395	3814	4065	2864	988	2538
7	1935 Federal Report Surplus Deficit	-200	-490	-900	-494	-934	158	820	1121	1549	1052	988	3084	2417	1915	785
8	1936 Federal Report Surplus Deficit	1553	164	-750	-608	-331	-814	-1468	-1585	-491	521	3308	5172	3952	603	546
9	1937 Federal Report Surplus Deficit	311	-522	-823	-608	-76.6	-741	-1643	-1867	-863	-349	-374	2441	1004	174	-280
10	1938 Federal Report Surplus Deficit	172	-530	-881	-448	-535	477	730	663	1169	3143	4030	4405	4001	1505	1207
11	1939 Federal Report Surplus Deficit	276	-324	-365	-401	-345	-843	-373	-409	-62.3	1698	1983	3864	990	378	358
12	1940 Federal Report Surplus Deficit	-165	-621	-764	-309	18.5	391	-284	-1165	2151	1843	1454	3158	1359	323	523
13	1941 Federal Report Surplus Deficit	-55.8	-703	-908	-466	-420	170	-1320	-1104	-520	-130	411	2502	1226	840	-12.2
14	1942 Federal Report Surplus Deficit	126	-521	-800	-551	180	587	355	94.4	392	533	1823	2785	3135	2326	794
15	1943 Federal Report Surplus Deficit	1006	185	80.4	-417	-699	10.3	1241	1708	1888	4667	4833	4463	5389	1404	1692
16	1944 Federal Report Surplus Deficit	930	356	-604	-679	-216	-848	-1021	-998	-830	-663	654	1269	-206	13.2	-285
17	1945 Federal Report Surplus Deficit	-107	-929	-1140	-513	-275	-1230	-1952	-1367	-808	-819	-685	3486	3874	-223	-115
18	1946 Federal Report Surplus Deficit	412	-214	-716	-625	-396	417	462	576	1306	3273	4305	4510	4174	1963	1297
19	1947 Federal Report Surplus Deficit	1504	677	-290	-677	-74.2	2459	2437	2440	2834	2288	1915	4357	4551	2178	1949
20	1948 Federal Report Surplus Deficit	1156	28.3	-376	1369	1187	1163	2704	1578	1194	2268	3650	5587	5714	2786	2207
21	1949 Federal Report Surplus Deficit	2060	2077	555	-423	-237	16.5	848	-94.9	2323	3077	3614	4995	4203	-183	1458
22	1950 Federal Report Surplus Deficit	-260	-750	-963	-563	-324	32.3	2597	2304	2801	3995	3072	4419	4899	2212	1697
23	1951 Federal Report Surplus Deficit	2148	1781	-189	203	1496	2592	3831	4193	3799	3862	3692	4454	3704	2673	2701
24	1952 Federal Report Surplus Deficit	1866	1576	-252	951	545	1254	2111	2025	1490	3990	4453	5395	4784	1606	2153
25	1953 Federal Report Surplus Deficit	868	-58.3	-847	-677	-476	-752	392	522	1010	1294	1454	4214	5853	2544	1130
26	1954 Federal Report Surplus Deficit	892	410	-312	-510	52.0	767	1938	1949	2175	2483	2271	4478	4574	3343	1789
27	1955 Federal Report Surplus Deficit	2380	2324	1779	-374	624	345	-397	-585	-333	378	1187	3449	5421	3434	1382
28	1956 Federal Report Surplus Deficit	1883	1230	-540	-235	1111	2528	3947	3359	3189	3850	4411	5084	5715	2699	2707
29	1957 Federal Report Surplus Deficit	2020	1694	-311	-283	-282	838	755	272	1269	4105	2108	5700	5851	1885	1729
30	1958 Federal Report Surplus Deficit	958	359	-524	-506	-145	-272	1082	577	1644	2439	2799	5240	4953	1142	1374
31	1959 Federal Report Surplus Deficit	241	-0.19	-541	-334	317	1914	3310	3043	2250	3158	2133	3734	5094	1781	1936
32	1960 Federal Report Surplus Deficit	2252	1971	2047	2064	2033	1842	1815	781	1221	4938	3491	3702	4104	1781	2313
33	1961 Federal Report Surplus Deficit	1006	-116	-635	-474	-195	163	1631	1012	2354	2829	1427	4328	5193	1694	1471
34	1962 Federal Report Surplus Deficit	838	380	-663	-618	-159	-269	782	777	-115	4372	4179	4282	4613	0.98	1119
35	1963 Federal Report Surplus Deficit	591	-105	-669	-45.6	527	1667	1523	1149	1156	977	1246	3416	3350	1874	1277
36	1964 Federal Report Surplus Deficit	866	113	-210	-639	-428	55.9	-2.45	-353	-101	3038	1288	4071	5743	3254	1175
37	1965 Federal Report Surplus Deficit	1950	1960	308	138	368	2671	4619	4169	3500	1953	4235	4680	4062	2256	2646
38	1966 Federal Report Surplus Deficit	2191	2112	-601	-319	105	389	670	264	-64.1	3958	2038	2887	2894	1872	1108
39	1967 Federal Report Surplus Deficit	1304	-44.5	-528	-642	-408	379	2637	2430	2654	1401	-171	3678	5200	2567	1596
40	1968 Federal Report Surplus Deficit	1831	1090	-315	-455	125	411	1571	1328	2394	845	670	2187	4446	2154	1338
41	1969 Federal Report Surplus Deficit	1648	1106	749	241	1186	1275	3336	3547	2184	3868	3880	5234	4326	2125	2444
42	1970 Federal Report Surplus Deficit	1515	496	-388	-488	-60.7	-418	734	1148	1075	1815	359	3548	5102	1211	1125
43	1971 Federal Report Surplus Deficit	43.0	-359	-604	-636	-255	-183	3257	4329	3825	3775	3576	5245	5604	3218	2260
44	1972 Federal Report Surplus Deficit	2441	1952	258	-239	-63.3	707	3875	3401	5075	4535	2871	5204	5609	3180	2740
45	1973 Federal Report Surplus Deficit	2500	2239	701	-288	-70.0	358	886	9.92	-570	-1465	309	2259	1108	239	542
46	1974 Federal Report Surplus Deficit	50.4	-734	-869	-533	-687	1446	4865	4672	4306	4348	4263	5007	5305	3475	2566
47	1975 Federal Report Surplus Deficit	2394	2163	593	-728	-204	-82.1	597	1178	1784	1244	1457	4208	5583	3763	1696
48	1976 Federal Report Surplus Deficit	2025	1361	117	376	1424	3457	3132	3127	3221	4218	3865	5029	4412	2957	2747
49	1977 Federal Report Surplus Deficit	2398	2450	2214	-227	-154	-825	-1078	-780	-570	-1093	484	1109	-788	72.9	96.8
50	1978 Federal Report Surplus Deficit	-325	-1031	-1363	-967	-709	1069	879	872	1007	3908	2207	4098	2869	2240	1032
51	1979 Federal Report Surplus Deficit	551	-51.4	368	-195	-138	-303	251	-726	829	940	1607	4442	1571	-252	623
52	1980 Federal Report Surplus Deficit	-321	-692	-617	-560	-197	-1072	-180	-514	-529	2256	2510	5338	4569	487	717
53	1981 Federal Report Surplus Deficit	276	-497	-382	-477	-221	1998	2158	1805	1345	-106	1660	3741	5562	2374	1545
54	1982 Federal Report Surplus Deficit	1860	1781	40.1	-532	108	962	2305	3586	4573	3543	2875	4917	5144	2786	2403
55	1983 Federal Report Surplus Deficit	2243	2086	1107	284	225	1223	2737	2205	3598	3243	2049	4501	4193	2893	2318
56	1984 Federal Report Surplus Deficit	2198	2120	239	-399	1678	1170	1835	1992	2352	4524	3922	4509	5618	2816	2346
57	1985 Federal Report Surplus Deficit	2029	916	3.52	-347	219	324	241	110	645	2692	2840	4579	2467	-880	968
58	1986 Federal Report Surplus Deficit	-685	-997	-797	187	1010	108	1407	2020	4941	3700	3403	3478	4386	1194	1714

Federal Report Surplus Deficit By Water Year

Operating Year 2018

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	634	-255	-563	-691	-265	405	-25.4	-669	431	548	1212	3301	2328	57.4	455
60	1988 Federal Report Surplus Deficit	-381	-913	-993	-651	-308	-1106	-1587	-1816	-635	-53.3	1232	2301	1128	1030	-216
61	1989 Federal Report Surplus Deficit	154	-546	-937	-692	-517	135	-966	-1520	458	2835	3749	3919	2548	-228	449
62	1990 Federal Report Surplus Deficit	-95.1	-520	-712	-580	215	524	1034	1549	1838	1970	4378	3740	4283	1348	1335
63	1991 Federal Report Surplus Deficit	1329	682	-584	-886	1315	1440	2005	2366	2110	2926	2003	4167	4214	2729	1857
64	1992 Federal Report Surplus Deficit	1754	1629	-479	-749	-203	-518	-413	-636	285	-97.6	480	2047	589	-62.4	153
65	1993 Federal Report Surplus Deficit	-362	-873	-1197	-593	-354	-400	-2023	-1952	118	529	1203	3864	3395	867	175
66	1994 Federal Report Surplus Deficit	458	-71.5	-621	-636	91.4	-496	-1534	-1112	-767	-422	1091	3145	2186	613	122
67	1995 Federal Report Surplus Deficit	38.0	-644	-778	-729	-701	-321	-551	896	2291	1410	1032	3010	4624	1618	852
68	1996 Federal Report Surplus Deficit	541	66.3	-266	380	2303	4502	4571	4335	4856	3823	4710	4906	5102	3098	3190
69	1997 Federal Report Surplus Deficit	2124	1798	-501	-548	113	1232	4536	4688	5080	3926	4642	4946	5588	3253	2876
70	1998 Federal Report Surplus Deficit	2371	2107	1060	1583	1049	887	787	522	640	1202	1809	5291	5360	1949	1913
71	1999 Federal Report Surplus Deficit	1859	424	-427	-566	-543	792	3079	3215	3903	2844	2953	4488	5606	3075	2215
72	2000 Federal Report Surplus Deficit	2342	2264	484	-378	1681	1731	1275	1087	1618	3845	4115	3474	2954	1732	1830
73	2001 Federal Report Surplus Deficit	1088	-665	-632	-546	-259	-811	-1057	-1016	-563	-799	639	1807	-1087	23.5	-329
74	2002 Federal Report Surplus Deficit	-209	-789	-1563	-1033	-727	-305	-1054	-598	-258	2081	3419	2987	4696	2570	582
75	2003 Federal Report Surplus Deficit	1119	144	-552	-837	-11.0	-688	-1065	-954	1339	2094	1833	3143	4409	-183	602
76	2004 Federal Report Surplus Deficit	-489	-895	-1032	-469	-153	661	-526	-1402	387	1317	1282	3161	2790	97.2	353
77	2005 Federal Report Surplus Deficit	-239	-535	317	-390	-166	666	433	280	12.6	-70.1	1126	3689	3086	405	706
78	2006 Federal Report Surplus Deficit	334	-456	-574	-483	-170	136	1025	2172	1816	4442	4255	5426	4583	1137	1602
79	2007 Federal Report Surplus Deficit	356	-225	-803	-933	286	186	1319	236	2794	2788	2122	3734	2604	1666	1140
80	2008 Federal Report Surplus Deficit	154	-639	-1137	-433	-265	-164	-437	-436	87.2	1232	141	5059	5823	2113	893

Ranked Averages

81	**Bottom 10 pct**	**342**	**-353**	**-760**	**-575**	**-211**	**-879**	**-1532**	**-1383**	**-770**	**-426**	**341**	**2125**	**872**	**205**	**-240**
82	**Middle 80 pct**	**933**	**387**	**-299**	**-361**	**47.1**	**416**	**826**	**760**	**1357**	**2224**	**2287**	**3997**	**3985**	**1562**	**1268**
83	**Top 10 pct**	**1645**	**1177**	**-210**	**-57.2**	**758**	**2392**	**4172**	**3993**	**4128**	**3814**	**4086**	**4914**	**4937**	**2949**	**2772**

Federal Report Surplus Deficit By Water Year

Operating Year 2019

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	698	623	-568	-523	-152	-759	-1028	-971	-752	-692	667	1039	1059	-759	-228
2	1930 Federal Report Surplus Deficit	-59.1	-421	-545	-607	-142	-700	-1672	-874	-691	-242	1105	1201	-962	662	-341
3	1931 Federal Report Surplus Deficit	178	-432	-825	-639	-26.4	-643	-2090	-1931	-990	184	-393	1778	-235	298	-452
4	1932 Federal Report Surplus Deficit	-451	-1136	-755	-729	-540	-749	-2271	-1978	1346	3245	3778	4589	4100	961	566
5	1933 Federal Report Surplus Deficit	956	863	-284	-503	-547	448	677	1743	1355	1917	1555	3132	4977	2777	1364
6	1934 Federal Report Surplus Deficit	1612	1733	-285	76.5	2029	3865	4359	3959	3034	4385	3854	3505	2064	847	2430
7	1935 Federal Report Surplus Deficit	-225	-515	-917	-550	-855	224	889	1196	1557	1043	1027	2526	1616	1773	677
8	1936 Federal Report Surplus Deficit	1528	139	-767	-663	-252	-748	-1399	-1511	-483	512	3348	4614	3148	462	438
9	1937 Federal Report Surplus Deficit	286	-547	-840	-663	2.19	-675	-1574	-1793	-855	-358	-334	1881	204	33.0	-388
10	1938 Federal Report Surplus Deficit	147	-555	-898	-504	-456	542	799	737	1178	3132	4070	3847	3198	1357	1099
11	1939 Federal Report Surplus Deficit	251	-349	-381	-457	-266	-778	-304	-334	-53.7	1688	2023	3295	190	237	249
12	1940 Federal Report Surplus Deficit	-190	-646	-781	-365	97.3	456	-215	-1091	2160	1833	1493	2598	560	182	415
13	1941 Federal Report Surplus Deficit	-81.0	-729	-925	-522	-342	235	-1251	-1029	-511	-139	450	1944	426	699	-120
14	1942 Federal Report Surplus Deficit	101	-547	-817	-606	259	652	424	169	401	524	1863	2227	2336	2185	686
15	1943 Federal Report Surplus Deficit	982	160	63.8	-473	-620	75.8	1310	1783	1896	4658	4872	3905	4589	1263	1584
16	1944 Federal Report Surplus Deficit	905	331	-620	-735	-137	-783	-952	-923	-822	-672	694	710	-1005	-128	-393
17	1945 Federal Report Surplus Deficit	-132	-955	-1157	-569	-196	-1164	-1882	-1292	-799	-829	-646	2916	3055	-342	-223
18	1946 Federal Report Surplus Deficit	387	-239	-733	-681	-317	483	531	651	1314	3257	4345	3952	3364	1821	1188
19	1947 Federal Report Surplus Deficit	1431	652	-307	-733	4.65	2524	2506	2515	2842	2279	1955	3792	3751	2037	1839
20	1948 Federal Report Surplus Deficit	1132	3.10	-393	1313	1265	1229	2773	1653	1202	2259	3690	5029	4914	2645	2099
21	1949 Federal Report Surplus Deficit	2035	2052	538	-479	-158	82.0	917	-20.1	2331	3065	3654	4437	3384	-303	1351
22	1950 Federal Report Surplus Deficit	-285	-775	-980	-619	-246	97.8	2666	2379	2810	3985	3112	3858	4099	2071	1589
23	1951 Federal Report Surplus Deficit	2124	1757	-206	147	1575	2658	3901	4268	3808	3854	3731	3876	2906	2532	2592
24	1952 Federal Report Surplus Deficit	1842	1551	-268	895	624	1319	2180	2100	1498	3980	4493	4836	3978	1473	2045
25	1953 Federal Report Surplus Deficit	843	-83.4	-864	-733	-397	-686	461	596	1018	1285	1493	3645	5053	2403	1021
26	1954 Federal Report Surplus Deficit	868	385	-328	-566	131	832	2007	2024	2184	2474	2310	3917	3774	3201	1681
27	1955 Federal Report Surplus Deficit	2356	2300	1763	-430	703	411	-328	-511	-324	368	1227	2890	4621	3290	1274
28	1956 Federal Report Surplus Deficit	1859	1206	-556	-291	1190	2593	4017	3434	3197	3847	4450	4526	4916	2556	2599
29	1957 Federal Report Surplus Deficit	1995	1670	-328	-339	-204	904	824	347	1277	4096	2147	5141	5051	1744	1621
30	1958 Federal Report Surplus Deficit	933	334	-540	-562	-66.6	-206	1151	652	1653	2430	2839	4682	4154	1001	1266
31	1959 Federal Report Surplus Deficit	216	-25.3	-558	-389	396	1980	3379	3118	2258	3149	2172	3174	4294	1640	1828
32	1960 Federal Report Surplus Deficit	2228	1947	2032	2009	2112	1907	1884	856	1230	4932	3530	3143	3299	1640	2205
33	1961 Federal Report Surplus Deficit	982	-141	-652	-529	-116	229	1700	1086	2363	2819	1466	3754	4393	1552	1362
34	1962 Federal Report Surplus Deficit	813	355	-680	-674	-79.8	-203	851	851	-107	4369	4219	3715	3813	-140	1011
35	1963 Federal Report Surplus Deficit	566	-130	-685	-101	606	1733	1593	1224	1165	968	1286	2858	2550	1733	1170
36	1964 Federal Report Surplus Deficit	841	87.7	-226	-695	-349	121	66.7	-278	-92.4	3029	1328	3506	4943	3109	1066
37	1965 Federal Report Surplus Deficit	1926	1936	291	82.6	446	2737	4688	4243	3508	1944	4274	4122	3263	2114	2539
38	1966 Federal Report Surplus Deficit	2166	2088	-618	-375	184	454	740	338	-55.5	3948	2078	2328	2095	1730	1000
39	1967 Federal Report Surplus Deficit	1279	-69.7	-545	-698	-329	444	2706	2505	2663	1391	-132	3061	4400	2425	1483
40	1968 Federal Report Surplus Deficit	1806	1065	-331	-511	204	477	1640	1403	2402	836	709	1628	3646	2012	1231
41	1969 Federal Report Surplus Deficit	1623	1082	733	185	1264	1340	3405	3622	2192	3859	3919	4676	3501	1978	2334
42	1970 Federal Report Surplus Deficit	1491	471	-404	-544	18.1	-353	803	1223	1084	1806	398	2975	4302	1070	1016
43	1971 Federal Report Surplus Deficit	17.8	-385	-621	-692	-176	-118	3326	4404	3830	3770	3615	4687	4805	3080	2153
44	1972 Federal Report Surplus Deficit	2417	1928	242	-295	15.5	773	3944	3476	5084	4526	2911	4646	4809	3035	2632
45	1973 Federal Report Surplus Deficit	2476	2215	685	-344	8.82	423	955	84.6	-561	-1475	348	1702	308	97.9	434
46	1974 Federal Report Surplus Deficit	25.3	-759	-886	-589	-608	1511	4934	4747	4280	4339	4303	4448	4505	3334	2456
47	1975 Federal Report Surplus Deficit	2370	2139	576	-784	-126	-16.6	666	1252	1792	1235	1496	3650	4783	3622	1588
48	1976 Federal Report Surplus Deficit	2001	1336	100	320	1503	3522	3201	3201	3230	4207	3904	4470	3601	2818	2639
49	1977 Federal Report Surplus Deficit	2374	2426	2199	-283	-75.0	-760	-1009	-706	-562	-1102	523	551	-1587	-68.2	-10.8
50	1978 Federal Report Surplus Deficit	-350	-1056	-1380	-1023	-631	1134	948	947	1015	3898	2247	3538	2070	2099	924
51	1979 Federal Report Surplus Deficit	526	-76.6	351	-251	-59.1	-237	320	-651	838	931	1646	3873	771	-393	514
52	1980 Federal Report Surplus Deficit	-346	-717	-634	-616	-118	-1007	-111	-439	-520	2246	2549	4779	3767	348	610
53	1981 Federal Report Surplus Deficit	251	-522	-398	-533	-142	2063	2227	1879	1353	-115	1699	3183	4762	2233	1438
54	1982 Federal Report Surplus Deficit	1836	1757	23.6	-588	186	1027	2374	3661	4580	3532	2914	4359	4344	2645	2295
55	1983 Federal Report Surplus Deficit	2219	2062	1090	228	303	1288	2806	2279	3605	3233	2088	3942	3392	2749	2210
56	1984 Federal Report Surplus Deficit	2174	2095	222	-455	1757	1236	1904	2067	2360	4514	3962	3950	4818	2676	2238
57	1985 Federal Report Surplus Deficit	2005	891	-13.1	-403	298	390	310	185	653	2683	2879	4015	1667	-1021	860
58	1986 Federal Report Surplus Deficit	-711	-1022	-814	131	1089	173	1476	2095	4937	3690	3442	2920	3584	1055	1605

Federal Report Surplus Deficit By Water Year

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	609	-280	-580	-747	-186	471	43.7	-594	440	539	1251	2743	1528	-83.8	347
60	1988 Federal Report Surplus Deficit	-407	-938	-1010	-706	-230	-1040	-1518	-1742	-627	-62.6	1271	1742	329	889	-324
61	1989 Federal Report Surplus Deficit	129	-572	-954	-748	-439	201	-897	-1446	467	2826	3789	3361	1748	-369	341
62	1990 Federal Report Surplus Deficit	-120	-545	-729	-636	294	590	1103	1624	1846	1960	4417	3181	3481	1207	1227
63	1991 Federal Report Surplus Deficit	1304	657	-601	-941	1394	1506	2074	2440	2119	2917	2042	3609	3414	2588	1749
64	1992 Federal Report Surplus Deficit	1729	1605	-496	-804	-124	-453	-344	-562	294	-107	520	1489	-211	-204	45.1
65	1993 Federal Report Surplus Deficit	-387	-899	-1214	-649	-275	-335	-1954	-1877	126	520	1242	3305	2595	726	67.4
66	1994 Federal Report Surplus Deficit	433	-96.8	-638	-692	170	-430	-1465	-1037	-758	-431	1131	2587	1386	472	14.0
67	1995 Federal Report Surplus Deficit	12.9	-669	-794	-784	-622	-256	-482	971	2299	1401	1072	2452	3827	1473	744
68	1996 Federal Report Surplus Deficit	516	41.2	-283	325	2382	4568	4640	4409	4862	3818	4750	4347	4302	2957	3082
69	1997 Federal Report Surplus Deficit	2100	1774	-518	-604	192	1297	4605	4763	5063	3916	4682	4387	4788	3105	2765
70	1998 Federal Report Surplus Deficit	2347	2083	1044	1527	1128	952	856	597	649	1193	1849	4733	4568	1776	1804
71	1999 Federal Report Surplus Deficit	1835	399	-444	-622	-465	857	3148	3290	3912	2834	2992	3903	4806	2933	2105
72	2000 Federal Report Surplus Deficit	2318	2240	468	-434	1760	1796	1344	1162	1627	3834	4154	2915	2154	1591	1722
73	2001 Federal Report Surplus Deficit	1064	-691	-649	-602	-180	-746	-988	-941	-555	-809	678	1248	-1886	-118	-437
74	2002 Federal Report Surplus Deficit	-235	-814	-1580	-1089	-648	-239	-984	-523	-250	2072	3458	2428	3896	2429	474
75	2003 Federal Report Surplus Deficit	1094	119	-569	-893	67.8	-622	-996	-879	1348	2084	1872	2583	3607	-320	494
76	2004 Federal Report Surplus Deficit	-514	-921	-1049	-525	-74.5	726	-457	-1327	396	1308	1322	2603	1991	-44.0	245
77	2005 Federal Report Surplus Deficit	-265	-561	301	-446	-87.0	731	502	355	21.2	-79.4	1165	3129	2286	264	599
78	2006 Federal Report Surplus Deficit	309	-481	-591	-539	-90.9	202	1094	2246	1824	4433	4295	4868	3782	998	1495
79	2007 Federal Report Surplus Deficit	331	-250	-820	-989	365	252	1388	311	2803	2779	2162	3175	1805	1525	1033
80	2008 Federal Report Surplus Deficit	129	-664	-1154	-489	-186	-98.5	-368	-361	95.8	1223	181	4488	5023	1972	784

Ranked Averages

81	**Bottom 10 pct**	**317**	**-379**	**-777**	**-631**	**-133**	**-814**	**-1463**	**-1308**	**-761**	**-435**	**380**	**1565**	**69.6**	**66.9**	**-348**
82	**Middle 80 pct**	**908**	**362**	**-316**	**-417**	**126**	**481**	**895**	**835**	**1365**	**2215**	**2326**	**3436**	**3184**	**1421**	**1160**
83	**Top 10 pct**	**1621**	**1152**	**-227**	**-113**	**837**	**2457**	**4241**	**4068**	**4129**	**3806**	**4126**	**4353**	**4136**	**2806**	**2663**

Federal Report Surplus Deficit By Water Year

Operating Year 2020

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	626	551	-689	-632	-258	-872	-1127	-898	-853	-798	561	1474	1676	-758	-206
2	1930 Federal Report Surplus Deficit	-131	-493	-665	-715	-249	-814	-1771	-802	-792	-348	999	1636	-345	664	-319
3	1931 Federal Report Surplus Deficit	106	-504	-946	-748	-133	-757	-2189	-1858	-1091	77.0	-499	2214	382	299	-432
4	1932 Federal Report Surplus Deficit	-523	-1208	-875	-838	-647	-862	-2370	-1905	1245	3138	3653	5024	4717	962	583
5	1933 Federal Report Surplus Deficit	884	791	-404	-612	-654	334	578	1816	1254	1811	1448	3568	5595	2777	1389
6	1934 Federal Report Surplus Deficit	1540	1661	-406	-32.4	1923	3751	4260	4032	2933	4262	3729	3940	2681	849	2457
7	1935 Federal Report Surplus Deficit	-297	-587	-1037	-659	-962	111	790	1269	1457	937	921	2961	2234	1775	703
8	1936 Federal Report Surplus Deficit	1456	66.5	-888	-772	-359	-862	-1498	-1438	-584	405	3241	5049	3766	463	457
9	1937 Federal Report Surplus Deficit	214	-619	-960	-772	-105	-789	-1673	-1720	-956	-464	-441	2317	822	34.7	-367
10	1938 Federal Report Surplus Deficit	75.4	-627	-1018	-613	-563	429	700	810	1077	3026	3949	4283	3810	1375	1122
11	1939 Federal Report Surplus Deficit	179	-421	-502	-566	-373	-891	-403	-261	-155	1582	1916	3734	808	239	272
12	1940 Federal Report Surplus Deficit	-262	-718	-901	-474	-9.52	343	-315	-1018	2059	1727	1387	3035	1177	184	436
13	1941 Federal Report Surplus Deficit	-153	-801	-1045	-631	-449	122	-1350	-956	-612	-246	344	2379	1043	700	-98.4
14	1942 Federal Report Surplus Deficit	28.7	-619	-938	-715	152	539	324	242	300	417	1756	2662	2951	2186	708
15	1943 Federal Report Surplus Deficit	910	88.4	-56.5	-582	-727	-37.6	1211	1856	1795	4552	4747	4340	5206	1264	1608
16	1944 Federal Report Surplus Deficit	833	259	-741	-844	-244	-896	-1051	-850	-922	-779	587	1146	-388	-126	-370
17	1945 Federal Report Surplus Deficit	-204	-1027	-1277	-678	-303	-1278	-1982	-1219	-900	-935	-752	3350	3683	-354	-202
18	1946 Federal Report Surplus Deficit	315	-311	-853	-790	-424	369	432	724	1213	3158	4238	4387	3984	1824	1211
19	1947 Federal Report Surplus Deficit	1385	580	-427	-841	-102	2411	2407	2588	2741	2173	1848	4228	4369	2039	1866
20	1948 Federal Report Surplus Deficit	1060	-68.9	-513	1204	1159	1115	2674	1726	1101	2152	3583	5465	5532	2643	2121
21	1949 Federal Report Surplus Deficit	1964	1980	418	-588	-265	-31.4	818	52.8	2231	2960	3547	4873	3999	-298	1371
22	1950 Federal Report Surplus Deficit	-357	-847	-1100	-728	-352	-15.6	2567	2452	2707	3879	3005	4267	4717	2074	1613
23	1951 Federal Report Surplus Deficit	2052	1685	-326	38.2	1468	2544	3801	4341	3708	3745	3606	4320	3526	2533	2621
24	1952 Federal Report Surplus Deficit	1770	1479	-389	786	517	1206	2081	2173	1398	3874	4368	5272	4596	1473	2069
25	1953 Federal Report Surplus Deficit	771	-155	-984	-842	-504	-800	362	669	918	1178	1386	4067	5670	2405	1043
26	1954 Federal Report Surplus Deficit	796	313	-449	-675	24.0	719	1908	2097	2083	2367	2204	4343	4392	3203	1706
27	1955 Federal Report Surplus Deficit	2284	2228	1643	-539	596	298	-427	-438	-425	262	1120	3326	5238	3294	1294
28	1956 Federal Report Surplus Deficit	1787	1134	-677	-400	1083	2480	3917	3507	3095	3740	4326	4962	5533	2560	2625
29	1957 Federal Report Surplus Deficit	1923	1598	-448	-448	-311	790	725	420	1177	3990	2041	5577	5669	1746	1642
30	1958 Federal Report Surplus Deficit	861	262	-661	-671	-173	-319	1052	725	1552	2323	2732	5118	4771	1002	1289
31	1959 Federal Report Surplus Deficit	144	-97.3	-679	-498	289	1867	3280	3191	2157	3042	2066	3610	4912	1642	1856
32	1960 Federal Report Surplus Deficit	2156	1875	1911	1900	2005	1794	1785	929	1129	4803	3405	3579	3918	1642	2225
33	1961 Federal Report Surplus Deficit	910	-213	-772	-638	-223	115	1601	1159	2262	2713	1360	4193	5011	1554	1385
34	1962 Federal Report Surplus Deficit	741	283	-800	-783	-187	-317	752	924	-208	4264	4094	4156	4431	-138	1034
35	1963 Federal Report Surplus Deficit	495	-202	-806	-210	499	1619	1493	1297	1064	862	1179	3292	3167	1735	1194
36	1964 Federal Report Surplus Deficit	769	15.7	-347	-804	-456	7.99	-32.5	-205	-193	2923	1221	3941	5561	3116	1087
37	1965 Federal Report Surplus Deficit	1854	1864	171	-26.3	339	2623	4589	4316	3408	1837	4149	4557	3879	2112	2566
38	1966 Federal Report Surplus Deficit	2095	2016	-738	-484	77.0	341	640	411	-156	3823	1971	2764	2713	1732	1022
39	1967 Federal Report Surplus Deficit	1207	-142	-665	-807	-436	331	2607	2578	2562	1285	-238	3515	5017	2427	1512
40	1968 Federal Report Surplus Deficit	1734	993	-452	-620	96.7	363	1541	1476	2301	730	603	2062	4263	2014	1255
41	1969 Federal Report Surplus Deficit	1551	1010	613	76.5	1158	1227	3306	3695	2091	3752	3795	5112	4120	1981	2361
42	1970 Federal Report Surplus Deficit	1419	399	-525	-653	-88.8	-466	704	1296	983	1699	292	3412	4920	1072	1041
43	1971 Federal Report Surplus Deficit	-54.1	-457	-742	-801	-283	-231	3227	4477	3731	3662	3491	5122	5422	3076	2182
44	1972 Federal Report Surplus Deficit	2345	1856	121	-404	-91.3	659	3845	3549	4983	4401	2804	5081	5427	3040	2658
45	1973 Federal Report Surplus Deficit	2404	2143	565	-453	-98.0	310	856	158	-662	-1581	242	2136	925	99.5	458
46	1974 Federal Report Surplus Deficit	-46.6	-831	-1006	-698	-715	1398	4835	4820	4202	4233	4178	4884	5123	3342	2488
47	1975 Federal Report Surplus Deficit	2298	2067	456	-893	-232	-130	567	1325	1691	1128	1390	4086	5401	3623	1611
48	1976 Federal Report Surplus Deficit	1929	1264	-20.3	211	1396	3409	3102	3274	3129	4102	3780	4906	4222	2818	2664
49	1977 Federal Report Surplus Deficit	2302	2354	2079	-392	-182	-873	-1108	-633	-662	-1209	417	986	-970	-66.6	11.5
50	1978 Federal Report Surplus Deficit	-422	-1128	-1500	-1132	-737	1021	849	1020	915	3792	2140	3970	2687	2101	948
51	1979 Federal Report Surplus Deficit	454	-149	231	-360	-166	-351	221	-578	737	824	1540	4301	1389	-392	534
52	1980 Federal Report Surplus Deficit	-418	-789	-754	-725	-225	-1120	-210	-366	-621	2140	2443	5215	4386	348	631
53	1981 Federal Report Surplus Deficit	179	-594	-519	-641	-249	1950	2128	1952	1253	-222	1593	3617	5380	2234	1463
54	1982 Federal Report Surplus Deficit	1764	1685	-96.8	-697	79.6	914	2275	3734	4484	3424	2808	4795	4961	2647	2323
55	1983 Federal Report Surplus Deficit	2147	1990	970	119	197	1175	2707	2352	3505	3127	1982	4370	4009	2750	2233
56	1984 Federal Report Surplus Deficit	2102	2023	102	-564	1650	1122	1805	2140	2259	4406	3855	4386	5436	2678	2262
57	1985 Federal Report Surplus Deficit	1933	819	-133	-512	191	276	211	258	553	2576	2773	4443	2284	-1019	881
58	1986 Federal Report Surplus Deficit	-783	-1094	-934	22.5	982	59.9	1377	2167	4830	3584	3336	3355	4200	1059	1630

Federal Report Surplus Deficit By Water Year

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	537	-352	-700	-856	-293	357	-55.5	-521	339	433	1145	3178	2146	-82.1	368
60	1988 Federal Report Surplus Deficit	-479	-1010	-1130	-815	-336	-1153	-1617	-1669	-727	-169	1164	2178	946	891	-303
61	1989 Federal Report Surplus Deficit	57.2	-644	-1075	-857	-545	87.1	-996	-1373	366	2719	3664	3796	2366	-367	360
62	1990 Federal Report Surplus Deficit	-192	-617	-849	-745	187	476	1004	1697	1745	1854	4293	3618	4100	1209	1252
63	1991 Federal Report Surplus Deficit	1233	585	-721	-1050	1287	1393	1975	2513	2018	2810	1936	4043	4029	2589	1775
64	1992 Federal Report Surplus Deficit	1657	1533	-616	-913	-231	-566	-443	-489	193	-213	413	1925	406	-202	67.6
65	1993 Federal Report Surplus Deficit	-459	-971	-1335	-758	-382	-448	-2054	-1804	25.3	413	1136	3739	3213	727	86.2
66	1994 Federal Report Surplus Deficit	361	-169	-758	-801	63.4	-544	-1564	-964	-859	-538	1024	3022	2003	473	35.3
67	1995 Federal Report Surplus Deficit	-59.1	-741	-915	-893	-729	-369	-582	1044	2199	1294	965	2886	4442	1477	769
68	1996 Federal Report Surplus Deficit	444	-30.8	-403	216	2275	4455	4541	4482	4759	3713	4625	4783	4919	2959	3109
69	1997 Federal Report Surplus Deficit	2028	1702	-638	-713	84.7	1184	4506	4836	4971	3808	4557	4823	5406	3109	2795
70	1998 Federal Report Surplus Deficit	2275	2011	924	1418	1021	839	757	669	548	1086	1742	5168	5172	1801	1825
71	1999 Federal Report Surplus Deficit	1763	327	-564	-730	-571	744	3049	3363	3812	2728	2885	4348	5424	2934	2133
72	2000 Federal Report Surplus Deficit	2246	2168	348	-543	1653	1683	1245	1235	1526	3728	4030	3351	2772	1592	1744
73	2001 Federal Report Surplus Deficit	992	-763	-769	-711	-287	-859	-1088	-869	-656	-915	572	1684	-1269	-116	-414
74	2002 Federal Report Surplus Deficit	-306	-886	-1700	-1198	-755	-353	-1084	-450	-351	1966	3351	2864	4513	2430	495
75	2003 Federal Report Surplus Deficit	1022	46.7	-689	-1002	-39.1	-736	-1095	-806	1247	1978	1766	3018	4224	-318	514
76	2004 Federal Report Surplus Deficit	-586	-993	-1169	-634	-181	613	-557	-1254	295	1201	1215	3039	2608	-42.3	265
77	2005 Federal Report Surplus Deficit	-337	-633	180	-555	-194	618	403	427	-79.7	-186	1059	3564	2903	266	622
78	2006 Federal Report Surplus Deficit	237	-553	-711	-648	-198	88.5	995	2319	1723	4321	4170	5304	4397	1005	1520
79	2007 Federal Report Surplus Deficit	259	-322	-940	-1098	258	138	1288	383	2702	2672	2055	3612	2422	1526	1055
80	2008 Federal Report Surplus Deficit	57.0	-736	-1274	-598	-293	-212	-467	-288	-5.03	1116	74.2	4923	5640	1973	805

Ranked Averages

81	**Bottom 10 pct**	**245**	**-451**	**-897**	**-739**	**-239**	**-927**	**-1562**	**-1235**	**-862**	**-541**	**274**	**2000**	**688**	**67.0**	**-327**
82	**Middle 80 pct**	**836**	**290**	**-436**	**-526**	**19.0**	**368**	**796**	**908**	**1264**	**2107**	**2216**	**3871**	**3801**	**1423**	**1183**
83	**Top 10 pct**	**1549**	**1080**	**-347**	**-222**	**730**	**2344**	**4142**	**4141**	**4032**	**3697**	**4003**	**4789**	**4754**	**2809**	**2691**

Federal Report Surplus Deficit By Water Year

Operating Year 2021

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

S104-WB-20121129-173308

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	531	499	-744	-637	-267	-879	-1141	-1082	-856	-810	549	1053	916	-952	-348
2	1930 Federal Report Surplus Deficit	-226	-544	-720	-720	-258	-821	-1784	-986	-795	-359	987	1215	-1105	469	-461
3	1931 Federal Report Surplus Deficit	11.4	-555	-1001	-753	-142	-764	-2202	-2043	-1094	65.6	-511	1792	-378	105	-571
4	1932 Federal Report Surplus Deficit	-618	-1259	-931	-843	-656	-870	-2384	-2090	1243	3126	3642	4603	3957	768	446
5	1933 Federal Report Surplus Deficit	790	740	-460	-617	-663	327	565	1631	1251	1799	1437	3146	4834	2583	1244
6	1934 Federal Report Surplus Deficit	1445	1609	-461	-37.4	1914	3744	4247	3847	2930	4249	3718	3519	1921	655	2309
7	1935 Federal Report Surplus Deficit	-392	-638	-1093	-664	-971	104	777	1084	1454	925	909	2540	1474	1581	558
8	1936 Federal Report Surplus Deficit	1362	15.3	-943	-777	-368	-869	-1511	-1622	-586	394	3230	4628	3005	269	318
9	1937 Federal Report Surplus Deficit	119	-670	-1016	-777	-113	-796	-1686	-1904	-958	-476	-452	1896	61.2	-160	-507
10	1938 Federal Report Surplus Deficit	-19.5	-678	-1074	-618	-571	422	687	626	1074	3015	3938	3861	3050	1181	980
11	1939 Federal Report Surplus Deficit	84.0	-472	-557	-571	-382	-898	-416	-446	-157	1570	1905	3314	47.1	44.6	130
12	1940 Federal Report Surplus Deficit	-357	-769	-957	-479	-18.3	336	-328	-1202	2056	1716	1376	2613	417	-10.8	296
13	1941 Federal Report Surplus Deficit	-248	-852	-1100	-636	-457	115	-1363	-1141	-615	-257	332	1957	283	506	-240
14	1942 Federal Report Surplus Deficit	-66.2	-670	-993	-720	144	532	311	57.5	297	406	1745	2240	2190	1992	566
15	1943 Federal Report Surplus Deficit	815	37.1	-112	-587	-736	-44.7	1198	1671	1793	4540	4736	3919	4446	1070	1464
16	1944 Federal Report Surplus Deficit	738	208	-796	-849	-252	-903	-1064	-1035	-925	-790	576	725	-1149	-321	-513
17	1945 Federal Report Surplus Deficit	-299	-1078	-1333	-683	-312	-1285	-1995	-1404	-903	-946	-764	2929	2923	-548	-343
18	1946 Federal Report Surplus Deficit	220	-362	-908	-795	-433	362	419	539	1210	3147	4227	3966	3223	1629	1069
19	1947 Federal Report Surplus Deficit	1284	529	-483	-846	-111	2404	2394	2403	2738	2161	1837	3806	3608	1845	1720
20	1948 Federal Report Surplus Deficit	965	-120	-568	1199	1150	1108	2661	1541	1099	2140	3572	5043	4771	2449	1979
21	1949 Federal Report Surplus Deficit	1869	1929	363	-593	-273	-38.5	805	-132	2228	2948	3536	4451	3239	-493	1231
22	1950 Federal Report Surplus Deficit	-452	-898	-1155	-733	-361	-22.7	2553	2267	2704	3868	2994	3845	3956	1879	1467
23	1951 Federal Report Surplus Deficit	1957	1633	-381	33.2	1460	2537	3788	4156	3705	3733	3595	3898	2765	2339	2472
24	1952 Federal Report Surplus Deficit	1675	1428	-444	781	508	1199	2068	1988	1395	3862	4357	4851	3836	1279	1925
25	1953 Federal Report Surplus Deficit	676	-207	-1040	-847	-513	-807	349	485	915	1167	1375	3646	4910	2211	900
26	1954 Federal Report Surplus Deficit	701	262	-504	-680	15.2	712	1894	1912	2080	2356	2192	3921	3631	3008	1561
27	1955 Federal Report Surplus Deficit	2189	2177	1587	-544	587	290	-440	-622	-428	250	1109	2905	4478	3101	1155
28	1956 Federal Report Surplus Deficit	1692	1082	-732	-405	1074	2473	3904	3322	3092	3728	4314	4540	4773	2365	2479
29	1957 Federal Report Surplus Deficit	1829	1547	-503	-453	-319	783	712	235	1174	3978	2029	5156	4908	1552	1501
30	1958 Federal Report Surplus Deficit	766	211	-716	-676	-182	-327	1039	540	1549	2311	2721	4696	4011	808	1147
31	1959 Federal Report Surplus Deficit	49.0	-149	-734	-503	280	1860	3267	3007	2154	3031	2054	3188	4151	1447	1708
32	1960 Federal Report Surplus Deficit	2061	1824	1856	1895	1997	1787	1772	745	1126	4792	3394	3157	3158	1447	2084
33	1961 Federal Report Surplus Deficit	815	-264	-827	-643	-232	108	1588	975	2259	2702	1348	3772	4250	1360	1242
34	1962 Federal Report Surplus Deficit	646	232	-856	-788	-195	-324	739	740	561	2960	4083	3735	3670	-333	903
35	1963 Federal Report Surplus Deficit	400	-254	-861	-215	490	1612	1480	1112	1061	850	1168	2870	2406	1541	1050
36	1964 Federal Report Surplus Deficit	675	-35.5	-402	-809	-465	0.89	-45.7	-390	-196	2911	1210	3520	4800	2921	947
37	1965 Federal Report Surplus Deficit	1759	1813	116	-31.3	331	2616	4576	4132	3405	1825	4138	4136	3119	1917	2418
38	1966 Federal Report Surplus Deficit	2000	1965	-794	-489	68.2	334	627	227	255	3202	1960	2343	1953	1538	890
39	1967 Federal Report Surplus Deficit	1112	-193	-720	-812	-445	324	2594	2394	2559	1273	-250	3094	4257	2233	1365
40	1968 Federal Report Surplus Deficit	1640	942	-507	-625	87.9	356	1528	1291	2299	718	591	1641	3503	1820	1111
41	1969 Federal Report Surplus Deficit	1456	959	557	71.5	1149	1220	3293	3510	2088	3741	3783	4690	3359	1787	2213
42	1970 Federal Report Surplus Deficit	1324	348	-580	-658	-97.6	-473	691	1111	980	1688	280	2990	4159	878	896
43	1971 Federal Report Surplus Deficit	-149	-508	-797	-806	-291	-238	3214	4293	3728	3650	3479	4701	4662	2881	2032
44	1972 Federal Report Surplus Deficit	2250	1804	66.1	-409	-100	652	3832	3364	4980	4390	2793	4660	4666	2845	2511
45	1973 Federal Report Surplus Deficit	2309	2092	510	-458	-107	303	843	-27.0	-665	-1593	230	1714	165	-94.8	315
46	1974 Federal Report Surplus Deficit	-141	-882	-1061	-703	-724	1391	4822	4636	4198	4221	4167	4462	4362	3147	2338
47	1975 Federal Report Surplus Deficit	2203	2016	401	-898	-241	-137	554	1141	1688	1117	1378	3664	4640	3428	1468
48	1976 Federal Report Surplus Deficit	1834	1213	-75.6	206	1387	3402	3089	3090	3126	4090	3768	4485	3461	2624	2519
49	1977 Federal Report Surplus Deficit	2208	2303	2023	-397	-191	-880	-1121	-817	-665	-1220	405	565	-1730	-261	-130
50	1978 Federal Report Surplus Deficit	-517	-1179	-1555	-1137	-746	1014	836	835	912	3780	2129	3549	1927	1907	804
51	1979 Federal Report Surplus Deficit	359	-200	176	-365	-175	-358	207	-762	734	813	1528	3879	628	-586	394
52	1980 Federal Report Surplus Deficit	-513	-841	-809	-730	-234	-1127	-223	-551	-624	2129	2431	4794	3625	155	490
53	1981 Federal Report Surplus Deficit	84.2	-645	-574	-646	-258	1943	2115	1768	1250	-233	1581	3196	4619	2040	1318
54	1982 Federal Report Surplus Deficit	1669	1634	-152	-702	70.8	907	2262	3549	4482	3412	2796	4373	4201	2452	2176
55	1983 Federal Report Surplus Deficit	2052	1939	915	114	188	1168	2694	2168	3502	3117	1970	3949	3248	2556	2089
56	1984 Federal Report Surplus Deficit	2007	1972	46.7	-568	1641	1115	1792	1956	2256	4395	3844	3964	4675	2484	2118
57	1985 Federal Report Surplus Deficit	1838	768	-189	-517	183	269	198	73.2	550	2564	2761	4022	1524	-1214	739
58	1986 Federal Report Surplus Deficit	-877	-1146	-989	17.6	973	52.8	1363	1983	4827	3572	3324	2934	3439	865	1485

Federal Report Surplus Deficit By Water Year

Operating Year 2021

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	442	-404	-755	-861	-301	350	-68.7	-706	336	421	1133	2757	1385	-276	227
60	1988 Federal Report Surplus Deficit	-573	-1061	-1185	-820	-345	-1161	-1630	-1853	-730	-181	1153	1757	186	697	-443
61	1989 Federal Report Surplus Deficit	-37.6	-695	-1130	-862	-554	80.1	-1009	-1557	363	2708	3653	3375	1605	-562	221
62	1990 Federal Report Surplus Deficit	-287	-668	-905	-750	179	469	990	1513	1743	1843	4281	3196	3339	1014	1107
63	1991 Federal Report Surplus Deficit	1138	534	-776	-1055	1278	1386	1962	2329	2015	2799	1924	3621	3269	2395	1630
64	1992 Federal Report Surplus Deficit	1563	1481	-671	-918	-239	-573	-456	-673	190	-225	402	1503	-354	-396	-74.5
65	1993 Federal Report Surplus Deficit	-554	-1022	-1390	-763	-391	-455	-2067	-1989	22.4	402	1124	3318	2452	533	-52.3
66	1994 Federal Report Surplus Deficit	266	-220	-813	-806	54.5	-551	-1577	-1149	-862	-549	1013	2601	1243	279	-106
67	1995 Federal Report Surplus Deficit	-154	-792	-970	-898	-738	-376	-595	859	2196	1283	954	2465	3681	1283	625
68	1996 Federal Report Surplus Deficit	350	-82.0	-458	211	2266	4448	4528	4298	4756	3702	4614	4362	4159	2764	2962
69	1997 Federal Report Surplus Deficit	1933	1651	-693	-718	75.9	1177	4493	4651	4968	3796	4546	4401	4645	2915	2646
70	1998 Federal Report Surplus Deficit	2180	1959	869	1413	1012	832	744	485	545	1075	1731	4747	4411	1608	1685
71	1999 Federal Report Surplus Deficit	1668	276	-620	-735	-580	737	3036	3178	3809	2716	2873	3927	4664	2740	1986
72	2000 Federal Report Surplus Deficit	2151	2116	293	-548	1645	1676	1231	1050	1523	3717	4018	2930	2011	1398	1601
73	2001 Federal Report Surplus Deficit	897	-814	-825	-716	-295	-866	-1101	-1053	-659	-927	560	1263	-2030	-310	-556
74	2002 Federal Report Surplus Deficit	-401	-937	-1756	-1203	-764	-360	-1097	-635	-354	1954	3340	2443	3753	2236	354
75	2003 Federal Report Surplus Deficit	928	-4.50	-744	-1006	-47.9	-743	-1109	-991	1244	1966	1754	2597	3463	-512	374
76	2004 Federal Report Surplus Deficit	-681	-1044	-1224	-639	-190	606	-570	-1439	292	1190	1204	2617	1848	-237	126
77	2005 Federal Report Surplus Deficit	-431	-684	125	-560	-203	611	390	243	137	-663	1047	3143	2142	71.2	478
78	2006 Federal Report Surplus Deficit	142	-604	-767	-653	-207	81.4	981	2135	1720	4309	4159	4882	3637	810	1374
79	2007 Federal Report Surplus Deficit	164	-373	-996	-1103	249	131	1275	199	2699	2661	2044	3190	1662	1332	913
80	2008 Federal Report Surplus Deficit	-37.8	-788	-1330	-603	-302	-219	-480	-473	-7.94	1105	62.8	4502	4880	1779	665

Ranked Averages

81	**Bottom 10 pct**	**150**	**-502**	**-952**	**-744**	**-248**	**-934**	**-1575**	**-1420**	**-865**	**-553**	**262**	**1579**	**-72.1**	**-127**	**-468**
82	**Middle 80 pct**	**741**	**239**	**-492**	**-531**	**10.2**	**361**	**783**	**723**	**1283**	**2059**	**2205**	**3449**	**3040**	**1229**	**1040**
83	**Top 10 pct**	**1454**	**1029**	**-403**	**-227**	**721**	**2337**	**4129**	**3956**	**4029**	**3686**	**3992**	**4368**	**3994**	**2615**	**2543**

Federal Report Surplus Deficit By Water Year

Operating Year 2022

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	553	426	-763	-693	-322	-944	-1180	-1121	-888	-840	519	1429	1623	-822	-277
2	1930 Federal Report Surplus Deficit	-204	-617	-740	-776	-313	-886	-1824	-1025	-830	-389	958	1589	-398	600	-391
3	1931 Federal Report Surplus Deficit	33.0	-628	-1020	-802	-190	-825	-2239	-2076	-1121	41.9	-534	2176	334	239	-496
4	1932 Federal Report Surplus Deficit	-596	-1332	-950	-894	-708	-934	-2423	-2128	1211	3100	3615	4983	4665	901	518
5	1933 Federal Report Surplus Deficit	811	666	-479	-670	-715	262	526	1593	1220	1772	1409	3528	5544	2715	1317
6	1934 Federal Report Surplus Deficit	1467	1536	-480	-86.1	1869	3683	4212	3815	2904	4227	3694	3900	2635	789	2384
7	1935 Federal Report Surplus Deficit	-370	-711	-1112	-715	-1022	38.4	738	1046	1419	899	883	2921	2183	1714	630
8	1936 Federal Report Surplus Deficit	1383	-57.8	-962	-833	-423	-933	-1550	-1661	-617	368	3204	5008	3713	400	390
9	1937 Federal Report Surplus Deficit	141	-743	-1035	-830	-165	-861	-1726	-1942	-988	-502	-478	2276	771	-28.8	-434
10	1938 Federal Report Surplus Deficit	2.17	-752	-1093	-671	-627	357	648	587	1044	2988	3911	4237	3755	1311	1051
11	1939 Federal Report Surplus Deficit	106	-545	-576	-626	-437	-963	-456	-483	-188	1544	1878	3691	757	178	202
12	1940 Federal Report Surplus Deficit	-335	-843	-976	-531	-72.5	270	-368	-1239	2024	1689	1349	2991	1126	122	368
13	1941 Federal Report Surplus Deficit	-226	-925	-1120	-689	-509	49.6	-1403	-1177	-647	-284	305	2335	991	637	-168
14	1942 Federal Report Surplus Deficit	-44.6	-743	-1012	-772	88.5	467	272	19.0	267	378	1717	2620	2898	2122	638
15	1943 Federal Report Surplus Deficit	837	-35.9	-131	-643	-791	-109	1159	1633	1760	4510	4706	4293	5148	1198	1534
16	1944 Federal Report Surplus Deficit	760	135	-815	-904	-305	-968	-1103	-1073	-956	-818	548	1104	-441	-189	-441
17	1945 Federal Report Surplus Deficit	-277	-1151	-1352	-736	-363	-1350	-2034	-1442	-936	-980	-797	3302	3628	-417	-273
18	1946 Federal Report Surplus Deficit	242	-435	-928	-854	-487	297	380	501	1179	3118	4198	4339	3928	1758	1139
19	1947 Federal Report Surplus Deficit	1305	456	-502	-901	-166	2339	2355	2365	2705	2130	1805	4181	4314	1974	1791
20	1948 Federal Report Surplus Deficit	986	-193	-588	1145	1095	1044	2622	1503	1067	2111	3543	5419	5478	2579	2050
21	1949 Federal Report Surplus Deficit	1890	1856	344	-650	-328	-103	766	-170	2196	2920	3507	4825	3944	-362	1302
22	1950 Federal Report Surplus Deficit	-430	-971	-1175	-789	-416	-87.3	2515	2229	2670	3835	2961	4217	4659	2006	1536
23	1951 Federal Report Surplus Deficit	1979	1560	-401	-26.2	1405	2473	3749	4118	3670	3700	3562	4270	3468	2467	2542
24	1952 Federal Report Surplus Deficit	1697	1355	-463	722	454	1135	2029	1950	1361	3833	4327	5228	4543	1408	1996
25	1953 Federal Report Surplus Deficit	698	-280	-1059	-902	-566	-872	310	446	882	1138	1346	4024	5616	2341	972
26	1954 Federal Report Surplus Deficit	723	189	-523	-734	-40.0	648	1855	1874	2047	2326	2162	4297	4338	3140	1632
27	1955 Federal Report Surplus Deficit	2211	2104	1568	-598	535	225	-480	-661	-461	223	1081	3283	5185	3227	1226
28	1956 Federal Report Surplus Deficit	1714	1009	-751	-463	1020	2409	3866	3284	3058	3698	4284	4915	5479	2495	2550
29	1957 Federal Report Surplus Deficit	1850	1474	-523	-512	-374	719	673	197	1139	3947	1998	5532	5614	1680	1572
30	1958 Federal Report Surplus Deficit	788	138	-735	-731	-235	-391	999	502	1517	2282	2692	5076	4718	938	1218
31	1959 Federal Report Surplus Deficit	70.6	-222	-753	-557	230	1795	3227	2968	2119	2996	2020	3564	4858	1578	1779
32	1960 Federal Report Surplus Deficit	2083	1751	1837	1841	1946	1722	1732	706	1091	4759	3361	3536	3868	1581	2156
33	1961 Federal Report Surplus Deficit	837	-337	-847	-695	-281	43.3	1548	936	2226	2673	1320	4150	4960	1492	1315
34	1962 Federal Report Surplus Deficit	668	159	-875	-840	-251	-388	699	701	-244	4222	4051	4113	4379	-204	962
35	1963 Federal Report Surplus Deficit	421	-327	-880	-267	443	1547	1442	1074	1029	821	1139	3249	3116	1673	1123
36	1964 Federal Report Surplus Deficit	696	-109	-421	-861	-520	-63.6	-84.6	-428	-230	2882	1180	3897	5507	3049	1018
37	1965 Federal Report Surplus Deficit	1781	1740	96.4	-90.5	276	2552	4537	4094	3370	1792	4105	4508	3822	2041	2487
38	1966 Federal Report Surplus Deficit	2021	1892	-813	-545	13.2	269	587	188	-194	3779	1927	2720	2661	1669	951
39	1967 Federal Report Surplus Deficit	1134	-266	-740	-863	-492	259	2555	2355	2524	1243	-280	3469	4964	2360	1437
40	1968 Federal Report Surplus Deficit	1661	869	-526	-678	33.0	291	1489	1253	2264	689	563	2017	4209	1945	1181
41	1969 Federal Report Surplus Deficit	1478	886	538	12.1	1094	1155	3253	3472	2054	3710	3753	5066	4067	1919	2284
42	1970 Federal Report Surplus Deficit	1346	275	-599	-711	-153	-538	652	1073	946	1655	248	3365	4863	1004	966
43	1971 Federal Report Surplus Deficit	-127	-581	-816	-865	-345	-302	3175	4255	3693	3616	3445	5070	5363	3006	2101
44	1972 Federal Report Surplus Deficit	2272	1731	46.8	-468	-154	588	3793	3326	4945	4355	2758	5029	5367	2970	2580
45	1973 Federal Report Surplus Deficit	2331	2019	490	-516	-162	238	803	-65.4	-700	-1623	200	2091	871	34.5	385
46	1974 Federal Report Surplus Deficit	-120	-956	-1081	-763	-778	1327	4783	4597	4165	4191	4136	4834	5064	3273	2407
47	1975 Federal Report Surplus Deficit	2225	1942	381	-958	-296	-201	515	1103	1653	1086	1347	4036	5343	3553	1537
48	1976 Federal Report Surplus Deficit	1856	1140	-94.9	147	1333	3338	3050	3051	3091	4059	3737	4859	4168	2748	2589
49	1977 Federal Report Surplus Deficit	2229	2230	2004	-447	-240	-945	-1161	-856	-700	-1247	378	946	-1020	-128	-57.8
50	1978 Federal Report Surplus Deficit	-495	-1253	-1575	-1192	-801	949	796	797	878	3750	2099	3927	2633	2032	875
51	1979 Federal Report Surplus Deficit	381	-273	156	-424	-230	-423	168	-801	700	784	1500	4258	1338	-455	465
52	1980 Federal Report Surplus Deficit	-491	-914	-828	-782	-289	-1192	-262	-589	-657	2100	2402	5171	4334	286	562
53	1981 Federal Report Surplus Deficit	106	-718	-593	-698	-312	1878	2076	1729	1217	-262	1552	3574	5329	2172	1390
54	1982 Federal Report Surplus Deficit	1690	1561	-171	-761	16.3	843	2223	3511	4446	3378	2762	4743	4902	2576	2244
55	1983 Federal Report Surplus Deficit	2073	1866	896	54.4	133	1104	2656	2130	3467	3084	1938	4318	3949	2679	2158
56	1984 Federal Report Surplus Deficit	2028	1899	27.4	-628	1587	1052	1754	1918	2222	4360	3810	4334	5376	2608	2187
57	1985 Federal Report Surplus Deficit	1860	695	-208	-576	128	205	158	34.7	517	2534	2731	4398	2230	-1086	810
58	1986 Federal Report Surplus Deficit	-856	-1219	-1008	-41.4	919	-10.6	1325	1945	4793	3538	3290	3305	4141	988	1554

Federal Report Surplus Deficit By Water Year

Operating Year 2022

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

S104-WB-20121129-173308Continued

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	464	-477	-775	-915	-356	285	-109	-744	303	392	1104	3134	2095	-144	299
60	1988 Federal Report Surplus Deficit	-552	-1135	-1205	-871	-395	-1225	-1670	-1892	-765	-210	1124	2135	895	830	-371
61	1989 Federal Report Surplus Deficit	-16.0	-768	-1149	-913	-606	15.2	-1049	-1596	330	2677	3622	3750	2313	-431	292
62	1990 Federal Report Surplus Deficit	-266	-741	-924	-802	127	404	951	1474	1708	1808	4247	3572	4048	1148	1178
63	1991 Federal Report Surplus Deficit	1159	461	-796	-1108	1231	1320	1922	2290	1981	2769	1894	3998	3975	2526	1701
64	1992 Federal Report Surplus Deficit	1584	1408	-691	-969	-290	-638	-496	-712	156	-255	372	1881	356	-263	-2.31
65	1993 Federal Report Surplus Deficit	-532	-1095	-1409	-815	-440	-521	-2106	-2027	-12.7	370	1093	3694	3159	663	19.0
66	1994 Federal Report Surplus Deficit	288	-293	-833	-859	-0.59	-616	-1617	-1188	-897	-580	982	2977	1951	411	-34.6
67	1995 Federal Report Surplus Deficit	-132	-865	-989	-951	-789	-441	-634	821	2162	1252	923	2840	4387	1410	696
68	1996 Federal Report Surplus Deficit	371	-155	-477	152	2212	4384	4489	4260	4722	3669	4581	4737	4863	2890	3031
69	1997 Federal Report Surplus Deficit	1954	1578	-713	-777	21.6	1114	4456	4613	4933	3762	4511	4771	5346	3039	2715
70	1998 Federal Report Surplus Deficit	2202	1886	849	1354	957	767	705	447	510	1040	1696	5118	5113	1733	1754
71	1999 Federal Report Surplus Deficit	1690	203	-639	-795	-635	672	2997	3140	3774	2682	2839	4299	5366	2867	2055
72	2000 Federal Report Surplus Deficit	2172	2043	273	-607	1590	1611	1192	1012	1488	3685	3987	3303	2718	1529	1672
73	2001 Federal Report Surplus Deficit	918	-887	-844	-769	-345	-931	-1141	-1092	-692	-959	528	1639	-1320	-176	-485
74	2002 Federal Report Surplus Deficit	-380	-1010	-1775	-1253	-811	-424	-1137	-673	-389	1920	3306	2820	4462	2369	426
75	2003 Federal Report Surplus Deficit	949	-77.6	-764	-1058	-95.7	-808	-1148	-1029	1209	1933	1721	2975	4174	-379	446
76	2004 Federal Report Surplus Deficit	-659	-1117	-1244	-690	-240	540	-610	-1477	257	1158	1171	2994	2556	-104	197
77	2005 Federal Report Surplus Deficit	-410	-757	106	-611	-251	545	350	204	-117	-230	1015	3519	2850	203	551
78	2006 Federal Report Surplus Deficit	164	-677	-786	-708	-261	16.8	942	2096	1685	4278	4127	5257	4342	939	1445
79	2007 Federal Report Surplus Deficit	186	-446	-1015	-1157	199	66.2	1236	160	2664	2627	2009	3567	2370	1463	984
80	2008 Federal Report Surplus Deficit	-16.2	-861	-1349	-652	-346	-275	-508	-499	-32.2	1079	36.3	4880	5587	1910	741

Ranked Averages

81	**Bottom 10 pct**	**171**	**-575**	**-972**	**-798**	**-300**	**-999**	**-1615**	**-1458**	**-897**	**-582**	**233**	**1956**	**636**	**4.57**	**-396**
82	**Middle 80 pct**	**763**	**165**	**-511**	**-585**	**-42.5**	**296**	**743**	**685**	**1228**	**2065**	**2175**	**3825**	**3747**	**1359**	**1111**
83	**Top 10 pct**	**1476**	**956**	**-422**	**-286**	**667**	**2273**	**4091**	**3918**	**3994**	**3653**	**3959**	**4740**	**4697**	**2740**	**2613**

Federal Report Surplus Deficit By Water Year

Operating Year 2023

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

S104-WB-20121129-173308

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Federal Report Surplus Deficit	500	424	-793	-709	-341	-968	-1197	-1137	-900	-879	525	968	871	-957	-404
2	1930 Federal Report Surplus Deficit	-258	-620	-768	-792	-332	-910	-1841	-1041	-842	-429	964	1127	-1150	465	-518
3	1931 Federal Report Surplus Deficit	-14.5	-625	-1042	-818	-209	-849	-2256	-2092	-1133	2.33	-528	1714	-418	104	-622
4	1932 Federal Report Surplus Deficit	-646	-1332	-975	-910	-726	-958	-2440	-2145	1199	3060	3621	4521	3913	766	392
5	1933 Federal Report Surplus Deficit	756	662	-506	-686	-734	238	509	1577	1208	1732	1416	3067	4792	2580	1190
6	1934 Federal Report Surplus Deficit	1415	1535	-505	-102	1850	3659	4195	3798	2892	4186	3700	3440	1883	654	2258
7	1935 Federal Report Surplus Deficit	-419	-709	-1137	-730	-1041	14.6	721	1030	1407	860	889	2459	1430	1579	504
8	1936 Federal Report Surplus Deficit	1327	-62.6	-993	-849	-442	-957	-1567	-1677	-629	328	3210	4546	2961	265	263
9	1937 Federal Report Surplus Deficit	89.4	-744	-1061	-846	-183	-885	-1742	-1958	-1001	-541	-472	1815	18.8	-164	-561
10	1938 Federal Report Surplus Deficit	-51.0	-754	-1121	-687	-645	333	631	571	1031	2948	3917	3776	3003	1176	924
11	1939 Federal Report Surplus Deficit	51.6	-548	-603	-642	-456	-987	-472	-499	-201	1504	1884	3230	4.67	43.3	74.9
12	1940 Federal Report Surplus Deficit	-387	-843	-1003	-547	-91.3	247	-384	-1255	2011	1649	1355	2530	373	-12.5	241
13	1941 Federal Report Surplus Deficit	-277	-926	-1145	-704	-528	25.8	-1420	-1193	-659	-324	311	1874	239	502	-294
14	1942 Federal Report Surplus Deficit	-96.8	-744	-1039	-788	69.8	443	255	2.82	254	339	1723	2158	2146	1988	511
15	1943 Federal Report Surplus Deficit	781	-40.4	-162	-659	-809	-133	1143	1617	1748	4471	4712	3832	4396	1064	1407
16	1944 Federal Report Surplus Deficit	705	131	-845	-919	-324	-992	-1120	-1089	-969	-857	554	642	-1193	-323	-568
17	1945 Federal Report Surplus Deficit	-329	-1152	-1379	-752	-382	-1373	-2050	-1458	-949	-1019	-790	2842	2876	-552	-399
18	1946 Federal Report Surplus Deficit	186	-440	-961	-870	-506	274	363	485	1166	3078	4204	3878	3176	1623	1012
19	1947 Federal Report Surplus Deficit	1254	456	-530	-916	-185	2315	2338	2349	2693	2090	1812	3720	3562	1839	1664
20	1948 Federal Report Surplus Deficit	931	-197	-617	1129	1076	1020	2606	1487	1054	2072	3549	4958	4726	2445	1923
21	1949 Federal Report Surplus Deficit	1839	1856	317	-665	-347	-127	749	-186	2184	2880	3513	4364	3192	-497	1175
22	1950 Federal Report Surplus Deficit	-483	-973	-1204	-805	-435	-111	2499	2213	2658	3796	2968	3756	3907	1871	1409
23	1951 Federal Report Surplus Deficit	1920	1553	-438	-41.9	1386	2449	3733	4102	3658	3660	3568	3808	2716	2332	2413
24	1952 Federal Report Surplus Deficit	1639	1349	-497	706	435	1111	2012	1934	1349	3794	4333	4767	3791	1273	1868
25	1953 Federal Report Surplus Deficit	640	-286	-1088	-917	-585	-896	293	430	869	1098	1352	3562	4864	2206	844
26	1954 Federal Report Surplus Deficit	669	186	-551	-749	-58.7	624	1838	1857	2034	2286	2168	3836	3586	3004	1505
27	1955 Federal Report Surplus Deficit	2158	2102	1541	-614	517	202	-496	-677	-473	183	1087	2822	4433	3093	1100
28	1956 Federal Report Surplus Deficit	1655	1002	-779	-479	1001	2385	3850	3267	3046	3658	4290	4454	4727	2360	2422
29	1957 Federal Report Surplus Deficit	1800	1474	-553	-527	-393	695	656	181	1127	3908	2004	5071	4862	1545	1445
30	1958 Federal Report Surplus Deficit	732	133	-766	-746	-254	-415	982	486	1504	2242	2698	4615	3966	803	1091
31	1959 Federal Report Surplus Deficit	15.8	-225	-782	-573	212	1771	3210	2952	2107	2957	2026	3103	4106	1443	1652
32	1960 Federal Report Surplus Deficit	2031	1749	1811	1826	1927	1698	1715	690	1078	4719	3367	3074	3116	1446	2029
33	1961 Federal Report Surplus Deficit	785	-338	-874	-711	-300	19.5	1531	920	2213	2633	1326	3689	4208	1357	1188
34	1962 Federal Report Surplus Deficit	617	159	-906	-855	-269	-412	682	685	515	2889	4058	3651	3626	-339	847
35	1963 Federal Report Surplus Deficit	369	-328	-910	-283	424	1523	1425	1057	1017	782	1145	2788	2363	1538	996
36	1964 Federal Report Surplus Deficit	644	-110	-446	-877	-539	-87.4	-101	-444	-242	2842	1186	3436	4755	2913	891
37	1965 Federal Report Surplus Deficit	1720	1730	58.5	-106	257	2528	4520	4077	3358	1753	4111	4047	3070	1906	2359
38	1966 Federal Report Surplus Deficit	1963	1885	-845	-561	-5.51	245	571	172	208	3129	1933	2258	1910	1534	833
39	1967 Federal Report Surplus Deficit	1083	-266	-764	-879	-511	235	2539	2339	2512	1204	-274	3007	4211	2226	1310
40	1968 Federal Report Surplus Deficit	1603	862	-556	-694	14.2	268	1472	1237	2251	650	569	1556	3457	1811	1054
41	1969 Federal Report Surplus Deficit	1416	875	503	-3.62	1076	1131	3237	3456	2041	3671	3759	4605	3315	1784	2156
42	1970 Federal Report Surplus Deficit	1294	275	-626	-727	-171	-561	635	1057	933	1616	254	2903	4111	869	840
43	1971 Federal Report Surplus Deficit	-188	-591	-853	-881	-364	-326	3159	4239	3681	3576	3451	4609	4611	2871	1972
44	1972 Federal Report Surplus Deficit	2213	1723	11.9	-483	-173	564	3776	3309	4933	4316	2764	4568	4615	2834	2452
45	1973 Federal Report Surplus Deficit	2272	2011	456	-531	-181	214	787	-81.6	-712	-1663	206	1629	119	-100	257
46	1974 Federal Report Surplus Deficit	-176	-961	-1113	-778	-797	1303	4767	4581	4152	4151	4143	4373	4312	3137	2280
47	1975 Federal Report Surplus Deficit	2165	1933	348	-973	-315	-225	498	1086	1640	1046	1353	3575	4591	3417	1409
48	1976 Federal Report Surplus Deficit	1794	1129	-130	132	1314	3315	3033	3035	3079	4019	3743	4398	3415	2613	2460
49	1977 Federal Report Surplus Deficit	2171	2223	1978	-463	-259	-969	-1178	-872	-713	-1287	384	485	-1772	-263	-185
50	1978 Federal Report Surplus Deficit	-545	-1252	-1601	-1207	-820	925	780	781	866	3711	2105	3466	1881	1897	748
51	1979 Federal Report Surplus Deficit	317	-286	119	-440	-248	-447	151	-817	688	745	1506	3797	586	-590	336
52	1980 Federal Report Surplus Deficit	-543	-914	-855	-798	-307	-1216	-279	-606	-670	2060	2409	4710	3581	151	435
53	1981 Federal Report Surplus Deficit	53.5	-720	-620	-713	-331	1854	2059	1713	1205	-302	1558	3114	4577	2038	1263
54	1982 Federal Report Surplus Deficit	1638	1560	-201	-777	-2.48	819	2206	3495	4434	3339	2768	4281	4150	2442	2117
55	1983 Federal Report Surplus Deficit	2009	1853	860	38.7	114	1080	2639	2114	3455	3045	1945	3857	3197	2545	2030
56	1984 Federal Report Surplus Deficit	1968	1889	-7.20	-644	1568	1028	1737	1902	2209	4321	3816	3873	4624	2473	2059
57	1985 Federal Report Surplus Deficit	1799	685	-243	-592	109	181	141	18.5	505	2495	2737	3936	1478	-1221	681
58	1986 Federal Report Surplus Deficit	-916	-1228	-1042	-57.0	900	-34.5	1309	1929	4780	3498	3296	2843	3389	854	1426

Federal Report Surplus Deficit By Water Year

Operating Year 2023

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

S104-WB-20121129-173308Continued

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
59	1987 Federal Report Surplus Deficit	403	-486	-804	-930	-374	261	-125	-760	291	352	1110	2673	1342	-279	171
60	1988 Federal Report Surplus Deficit	-601	-1133	-1228	-886	-414	-1248	-1686	-1908	-778	-250	1130	1674	143	696	-497
61	1989 Federal Report Surplus Deficit	-66.9	-768	-1175	-929	-625	-8.63	-1066	-1612	318	2638	3628	3289	1561	-566	166
62	1990 Federal Report Surplus Deficit	-320	-745	-953	-817	108	380	934	1458	1695	1769	4253	3111	3295	1013	1051
63	1991 Federal Report Surplus Deficit	1108	460	-823	-1123	1212	1297	1906	2274	1969	2729	1900	3536	3223	2392	1574
64	1992 Federal Report Surplus Deficit	1532	1407	-717	-985	-308	-662	-513	-728	144	-294	378	1420	-396	-398	-129
65	1993 Federal Report Surplus Deficit	-583	-1095	-1435	-831	-459	-544	-2122	-2044	-25.1	330	1099	3233	2407	528	-108
66	1994 Federal Report Surplus Deficit	232	-298	-862	-874	-19.3	-640	-1634	-1204	-909	-620	988	2516	1199	276	-162
67	1995 Federal Report Surplus Deficit	-184	-866	-1016	-967	-807	-465	-650	805	2149	1212	929	2379	3635	1275	569
68	1996 Federal Report Surplus Deficit	309	-166	-515	136	2193	4360	4473	4243	4709	3629	4587	4276	4111	2755	2903
69	1997 Federal Report Surplus Deficit	1893	1567	-747	-793	2.87	1090	4440	4597	4921	3722	4517	4310	4594	2904	2587
70	1998 Federal Report Surplus Deficit	2141	1876	814	1338	939	744	688	431	498	1001	1703	4657	4360	1599	1626
71	1999 Federal Report Surplus Deficit	1631	195	-674	-810	-654	649	2981	3123	3761	2642	2845	3838	4614	2731	1927
72	2000 Federal Report Surplus Deficit	2116	2038	242	-623	1571	1587	1175	996	1476	3646	3993	2843	1965	1394	1544
73	2001 Federal Report Surplus Deficit	867	-887	-870	-785	-363	-955	-1157	-1108	-704	-999	534	1178	-2072	-311	-611
74	2002 Federal Report Surplus Deficit	-430	-1010	-1799	-1269	-830	-448	-1153	-689	-401	1880	3312	2359	3710	2234	300
75	2003 Federal Report Surplus Deficit	897	-79.1	-790	-1073	-114	-832	-1165	-1045	1196	1893	1727	2514	3421	-513	319
76	2004 Federal Report Surplus Deficit	-710	-1116	-1269	-706	-258	517	-626	-1493	244	1118	1178	2533	1804	-239	70.7
77	2005 Federal Report Surplus Deficit	-462	-759	80.3	-627	-270	522	333	188	90.3	-735	1021	3058	2097	68.2	423
78	2006 Federal Report Surplus Deficit	109	-681	-817	-724	-280	-7.00	925	2080	1673	4238	4133	4796	3590	804	1317
79	2007 Federal Report Surplus Deficit	132	-450	-1043	-1173	180	42.4	1219	144	2652	2587	2015	3106	1618	1328	857
80	2008 Federal Report Surplus Deficit	-75.7	-868	-1376	-668	-365	-299	-525	-515	-44.7	1039	42.5	4419	4834	1775	614

Ranked Averages

81	**Bottom 10 pct**	**120**	**-576**	**-998**	**-813**	**-319**	**-1023**	**-1631**	**-1474**	**-910**	**-621**	**240**	**1495**	**-116**	**-130**	**-523**
82	**Middle 80 pct**	**708**	**162**	**-540**	**-601**	**-61.3**	**272**	**727**	**669**	**1238**	**1989**	**2181**	**3364**	**2995**	**1224**	**984**
83	**Top 10 pct**	**1416**	**947**	**-457**	**-302**	**648**	**2249**	**4074**	**3902**	**3982**	**3614**	**3965**	**4279**	**3945**	**2605**	**2484**

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Exhibit 36
Regional Report Surplus Deficit By Water Year
80 Water Year Regional Surplus/Deficit

Annual Energy
Operating Year 2014 to 2023
Using 1937-Water Conditions

Regional Report Surplus Deficit By Water Year

Operating Year 2014

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	4652	4399	4726	4834	4739	2973	1518	1264	1852	3799	4189	5998	8952	4323	4149
2	1930 Regional Report Surplus Deficit	3036	2284	5062	3638	3891	2638	-72.2	1818	1604	4268	6012	4960	5414	5391	3510
3	1931 Regional Report Surplus Deficit	3274	2465	4932	3377	4400	1534	191	212	1226	4725	386	5881	5923	4274	3123
4	1932 Regional Report Surplus Deficit	1460	1058	3593	3331	3679	3085	-426	-240	5189	13265	11670	11849	14338	6471	5394
5	1933 Regional Report Surplus Deficit	4244	3788	5286	4033	4380	4888	5910	6868	6625	9166	6606	9204	15885	10988	7152
6	1934 Regional Report Surplus Deficit	7146	7320	4533	6440	9765	12518	13167	12039	9967	13860	11304	10344	10194	5978	9546
7	1935 Regional Report Surplus Deficit	1981	2113	4426	3737	4229	4485	6191	5815	5123	8515	5848	8296	9988	7780	5767
8	1936 Regional Report Surplus Deficit	5767	3794	4168	3827	4022	2527	1034	503	2334	5607	9877	11983	12986	5629	5140
9	1937 Regional Report Surplus Deficit	3233	2417	3952	3612	4284	2775	388	-179	1792	4822	2556	6571	7891	4953	3560
10	1938 Regional Report Surplus Deficit	4076	2260	4793	3733	4056	4692	5746	5913	6379	11550	12602	11468	11465	7449	6734
11	1939 Regional Report Surplus Deficit	3656	3294	4969	4302	4204	3103	2830	3341	3312	8462	7857	9682	8270	5013	5054
12	1940 Regional Report Surplus Deficit	2435	1604	4267	4079	4872	4366	1833	2550	5859	9303	8665	8236	8945	3933	4995
13	1941 Regional Report Surplus Deficit	1920	1488	4535	4068	3676	3633	1069	822	1401	4377	3876	6055	8872	4788	3735
14	1942 Regional Report Surplus Deficit	2557	1817	4194	4215	4413	5772	5077	2483	2238	4971	7760	7334	12704	8610	5474
15	1943 Regional Report Surplus Deficit	4687	4005	5256	4036	4140	4641	7138	6702	7544	15215	13953	11424	15080	7745	7704
16	1944 Regional Report Surplus Deficit	4607	3836	4966	4123	4536	3184	1859	1837	2214	3507	4535	4231	4649	3957	3654
17	1945 Regional Report Surplus Deficit	2439	1780	4355	3411	4043	1296	778	1323	1383	3371	340	8737	12431	3930	3804
18	1946 Regional Report Surplus Deficit	4069	2922	5102	3912	4517	5085	5865	5708	5935	12179	12812	11526	13319	8589	7120
19	1947 Regional Report Surplus Deficit	5435	4257	5452	4132	5143	9996	10356	9649	8327	10203	8420	10236	13430	8246	8246
20	1948 Regional Report Surplus Deficit	5061	3840	5254	8817	7977	6958	9617	6957	5450	9758	11103	12768	16070	9840	8715
21	1949 Regional Report Surplus Deficit	7415	6760	5133	4837	4951	4381	6050	2983	8301	11647	12202	12595	13265	4480	7181
22	1950 Regional Report Surplus Deficit	2732	2080	4237	4106	4906	4418	9799	7982	10810	13529	10970	10968	14944	9694	8031
23	1951 Regional Report Surplus Deficit	7252	6909	4827	6649	9172	10994	12139	12586	12216	13883	12174	11236	13266	9744	10227
24	1952 Regional Report Surplus Deficit	6958	4927	4926	8248	6773	7320	8428	7710	8050	13299	12736	13072	13868	7882	8766
25	1953 Regional Report Surplus Deficit	5022	3619	4332	3818	4276	2804	4973	5585	5114	8071	6896	10875	15973	9543	6582
26	1954 Regional Report Surplus Deficit	5710	5044	4523	4595	5523	6613	9019	8704	8983	11036	8857	10883	13810	11882	8316
27	1955 Regional Report Surplus Deficit	8445	8663	8726	5020	6921	5351	3677	1930	1582	5896	5531	8479	15666	11774	6966
28	1956 Regional Report Surplus Deficit	7634	5291	4214	5753	8271	10379	12337	11284	10499	13534	13696	12494	16390	10287	10148
29	1957 Regional Report Surplus Deficit	6731	5176	5466	5354	4921	6786	5803	4767	6732	13473	8945	13647	15967	7130	7817
30	1958 Regional Report Surplus Deficit	3946	2566	5068	4223	4630	4120	6721	5938	6792	10520	9552	12552	14275	6337	6986
31	1959 Regional Report Surplus Deficit	3541	3149	4867	4303	6649	9046	11151	10045	8846	11865	8816	9865	14699	8703	8468
32	1960 Regional Report Surplus Deficit	6980	5594	9081	10614	10016	8459	7725	6316	6377	15513	11235	9608	12775	7486	9005
33	1961 Regional Report Surplus Deficit	5400	3655	4803	4431	5242	4812	7767	6692	8370	11966	6536	10539	14612	6778	7308
34	1962 Regional Report Surplus Deficit	3825	3792	4526	4090	4654	3812	5922	5521	3382	14212	12913	10549	13605	4355	6462
35	1963 Regional Report Surplus Deficit	4717	3549	4659	5036	6818	8193	5779	7067	4474	7924	6783	9230	13963	7696	7019
36	1964 Regional Report Surplus Deficit	4887	4028	5568	4059	4518	4757	4778	3884	3911	11592	6420	10199	16085	11191	6870
37	1965 Regional Report Surplus Deficit	7540	5269	5788	5949	6002	10517	12602	13713	11221	9763	13088	11710	12677	7963	9635
38	1966 Regional Report Surplus Deficit	7025	6490	4223	5052	5445	5217	5649	4625	3286	13532	8019	8629	10700	7911	6524
39	1967 Regional Report Surplus Deficit	4683	4063	4973	4007	4339	5870	9448	9478	10063	8604	3413	9714	15017	9621	7728
40	1968 Regional Report Surplus Deficit	5942	4396	4377	5045	5725	5475	7926	8501	8085	6926	4871	6313	13998	8690	7082
41	1969 Regional Report Surplus Deficit	6252	5647	6871	6662	8105	7454	11059	11068	7925	13891	12570	12322	13430	8431	9349
42	1970 Regional Report Surplus Deficit	4380	3354	5299	4445	4936	3746	6039	5600	5483	8859	5253	9868	14632	5841	6389
43	1971 Regional Report Surplus Deficit	4422	3235	4753	4028	4763	4450	12360	12299	11608	13278	11482	12424	15627	11683	9154
44	1972 Regional Report Surplus Deficit	8280	6715	5045	5427	5472	6062	12318	11965	14854	15496	10611	12293	15963	11372	10094
45	1973 Regional Report Surplus Deficit	8345	8262	5686	5338	5199	5816	5874	3849	2183	2507	4398	6210	9552	4697	5522
46	1974 Regional Report Surplus Deficit	2814	2058	5025	3783	4701	6738	14741	14310	12775	14325	13013	11890	15470	12074	9763
47	1975 Regional Report Surplus Deficit	8214	6861	5192	4209	4935	4807	6370	6960	7432	8075	6873	10881	15733	11970	7790
48	1976 Regional Report Surplus Deficit	6527	5718	5433	6881	8697	12476	11086	10680	10412	13892	12096	12214	14196	10538	10136
49	1977 Regional Report Surplus Deficit	9048	9525	9545	5086	4637	2903	1692	2286	1821	2757	4378	3519	4173	3154	4311
50	1978 Regional Report Surplus Deficit	2027	1517	3262	3449	3717	6360	5776	5161	5524	13142	8670	10626	10177	7905	6219
51	1979 Regional Report Surplus Deficit	4659	4080	6895	5083	4658	3540	3925	2090	5846	6819	6735	11321	8726	4014	5619
52	1980 Regional Report Surplus Deficit	1983	2066	4410	3908	4203	2931	2796	3802	2524	9570	9473	12742	13806	5266	5651
53	1981 Regional Report Surplus Deficit	3035	2325	4905	4227	4694	9557	8885	6246	4518	5216	8190	11143	15066	8997	7304
54	1982 Regional Report Surplus Deficit	6650	7043	4482	4446	5476	6599	8981	11191	13154	12186	9493	12045	15056	9831	9062

Regional Report Surplus Deficit By Water Year

Operating Year 2014

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	7681	6642	6653	6345	5813	7466	10547	9346	11244	11976	8887	11431	13574	9861	9153
56	1984 Regional Report Surplus Deficit	7101	5435	5062	4956	9214	7221	9015	8520	8170	13987	11918	10572	15946	9930	8967
57	1985 Regional Report Surplus Deficit	5514	4945	5394	5065	6116	5070	4718	4417	5209	10949	10006	11213	10697	2155	6308
58	1986 Regional Report Surplus Deficit	1437	1068	4462	4701	7614	4702	7798	8086	14206	12922	10931	9055	13151	6011	7726
59	1987 Regional Report Surplus Deficit	4236	3264	4966	4063	4942	5354	3384	1368	5260	6392	6228	9710	9026	4284	5219
60	1988 Regional Report Surplus Deficit	1553	959	4502	3383	3881	2232	873	142	1769	4700	6384	6286	9087	5524	3713
61	1989 Regional Report Surplus Deficit	2318	1988	4700	3144	3867	3768	2816	1394	4035	10824	11987	9751	9796	4571	5121
62	1990 Regional Report Surplus Deficit	2899	2198	4707	3653	5378	5472	7416	7193	7936	9758	12158	9315	13065	7515	7079
63	1991 Regional Report Surplus Deficit	5828	4735	4175	3539	9041	7402	8301	9427	8182	11367	8556	10203	12605	10057	8161
64	1992 Regional Report Surplus Deficit	7138	6925	4079	3582	4594	3109	2173	2180	2941	5083	4835	7504	7720	3106	4423
65	1993 Regional Report Surplus Deficit	1465	1207	4153	3344	4051	2850	208	-41.8	3705	6338	6308	9390	10721	6415	4386
66	1994 Regional Report Surplus Deficit	4030	3212	4893	3301	4646	3035	1236	-90.7	2050	4283	5999	7721	9084	4913	4143
67	1995 Regional Report Surplus Deficit	2505	1672	4612	3127	3674	2874	3608	5731	6772	10639	6382	8389	13937	7186	5856
68	1996 Regional Report Surplus Deficit	4337	3680	5321	5246	10793	14033	13993	13327	14231	13281	14112	11942	14379	10484	10933
69	1997 Regional Report Surplus Deficit	7272	5253	4114	4470	5598	7349	13767	14107	14560	13715	13964	12414	16255	11481	10321
70	1998 Regional Report Surplus Deficit	7865	6115	7043	9639	7809	6572	5756	6082	5627	8146	8412	12998	15476	7682	8331
71	1999 Regional Report Surplus Deficit	5164	3484	5350	4068	4461	6625	10906	10829	11666	11454	11153	11325	16054	11220	8990
72	2000 Regional Report Surplus Deficit	8685	8466	5564	4659	9391	8500	7189	6582	6846	13271	12869	9301	10557	6893	8089
73	2001 Regional Report Surplus Deficit	5063	3015	4827	4071	4169	2701	1352	1614	1684	3079	4713	4899	3489	3788	3382
74	2002 Regional Report Surplus Deficit	1814	1663	3293	1991	3405	2753	2134	2239	2465	10929	10543	7590	13852	9740	5156
75	2003 Regional Report Surplus Deficit	4991	3518	5061	3315	4465	2851	1874	1511	5849	9012	7146	7678	12573	4140	5139
76	2004 Regional Report Surplus Deficit	1903	1107	3923	4021	4468	4436	2517	2186	2728	5993	7347	8556	10573	4979	4715
77	2005 Regional Report Surplus Deficit	2655	2910	4603	4534	4680	5676	5212	3859	3033	4868	5430	8705	10896	5198	5363
78	2006 Regional Report Surplus Deficit	3207	2094	4583	3266	4417	4581	7333	8708	7157	14387	12509	12628	13700	6376	7373
79	2007 Regional Report Surplus Deficit	2781	1710	4573	3313	5903	4933	6891	4844	9652	10838	8201	9354	10022	7146	6534
80	2008 Regional Report Surplus Deficit	3785	1839	3805	3661	3979	3530	3202	2593	3748	7314	4118	11628	16003	8685	5786

Ranked Averages

81	**Bottom 10 pct**	**3140**	**2281**	**4641**	**3710**	**4110**	**2499**	**805**	**949**	**1634**	**4106**	**3600**	**5952**	**7219**	**4576**	**3560**
82	**Middle 80 pct**	**4769**	**3971**	**5038**	**4569**	**5370**	**5304**	**6007**	**5544**	**6184**	**9883**	**8700**	**10081**	**12810**	**7369**	**6823**
83	**Top 10 pct**	**6457**	**5112**	**4971**	**5520**	**7338**	**9819**	**12873**	**12746**	**12596**	**13486**	**12844**	**12024**	**14824**	**10493**	**10157**

Regional Report Surplus Deficit By Water Year

Operating Year 2015

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	5146	4250	3146	4158	4296	2472	1174	1372	1609	3842	4999	4726	7060	2522	3474
2	1930 Regional Report Surplus Deficit	2698	2019	3274	3211	3626	2254	745	1910	1669	4725	6372	4287	2684	4603	3014
3	1931 Regional Report Surplus Deficit	2870	2187	3264	3091	3790	2152	-50.2	-658	1236	5093	2690	5404	3866	3388	2674
4	1932 Regional Report Surplus Deficit	1030	675	2776	2875	3261	2794	-794	-267	5993	11771	11953	11194	12715	5719	4927
5	1933 Regional Report Surplus Deficit	5245	4779	3905	3620	3920	5235	5435	6844	6024	9176	6869	8672	14150	10396	6760
6	1934 Regional Report Surplus Deficit	6434	6984	4029	5751	9317	12105	12776	11673	9685	13641	11461	9518	8508	5123	8962
7	1935 Regional Report Surplus Deficit	2450	2553	2718	3426	3486	4856	5839	6345	6203	7122	6101	7853	8468	7418	5471
8	1936 Regional Report Surplus Deficit	5282	3547	2587	3077	3590	1994	726	613	2361	6415	10360	11284	11234	4702	4591
9	1937 Regional Report Surplus Deficit	2912	2180	2417	2973	3673	2242	672	-375	1465	4641	2814	5342	5624	3742	2852
10	1938 Regional Report Surplus Deficit	2945	1993	3228	3447	3592	5504	5612	5079	5605	11486	12894	10747	10759	6413	6215
11	1939 Regional Report Surplus Deficit	3628	3299	3326	3760	3750	2599	3433	3047	3300	8548	8255	9011	5407	4018	4463
12	1940 Regional Report Surplus Deficit	2110	1339	2741	3617	3888	4856	3054	1722	7755	8955	7035	7025	5404	3453	4451
13	1941 Regional Report Surplus Deficit	1581	1222	2783	3448	3050	4110	753	1568	1907	4622	4206	5410	5021	4282	3185
14	1942 Regional Report Surplus Deficit	2283	1623	3533	3562	4729	5345	4197	3922	3797	6066	7912	6533	9218	8004	5147
15	1943 Regional Report Surplus Deficit	4345	3735	4612	3682	3681	4581	6533	7390	7210	15018	14019	10596	13224	7138	7246
16	1944 Regional Report Surplus Deficit	5179	4568	3326	3154	3861	2524	1490	1744	2218	3512	5636	2909	2556	2981	3021
17	1945 Regional Report Surplus Deficit	2169	1517	2718	3004	3280	1034	714	1184	1695	3772	2103	8261	10914	3043	3386
18	1946 Regional Report Surplus Deficit	3739	2728	3371	3272	3621	5428	5601	5136	6035	12178	13136	10805	11751	7982	6571
19	1947 Regional Report Surplus Deficit	6096	4817	3745	3362	4845	9784	8752	9241	9363	10310	8646	9635	11817	7859	7767
20	1948 Regional Report Surplus Deficit	4743	3572	3421	8070	7526	6779	9228	6863	5509	9832	11432	11822	14252	9367	8136
21	1949 Regional Report Surplus Deficit	7506	8136	5497	4127	4500	4227	5407	3765	7903	11725	11910	11303	11765	3720	6829
22	1950 Regional Report Surplus Deficit	2532	1930	2632	3452	4169	4583	9431	9061	9589	13592	11164	10322	13202	9223	7502
23	1951 Regional Report Surplus Deficit	7701	7818	4187	5855	8692	10743	11821	13075	11250	13764	12480	10564	11077	9415	9775
24	1952 Regional Report Surplus Deficit	7126	6032	4285	7442	6323	7143	8044	8130	6537	13301	13629	12298	12810	6801	8311
25	1953 Regional Report Surplus Deficit	5451	4079	2753	3027	3311	2355	5572	5339	5406	8087	7037	10215	14248	9037	6128
26	1954 Regional Report Surplus Deficit	5387	4785	3882	3825	5046	6442	8389	8335	8072	10995	9244	10341	12422	11378	7771
27	1955 Regional Report Surplus Deficit	8530	9115	8172	4313	6471	5191	3316	2979	2642	6835	5879	7546	13632	11144	6726
28	1956 Regional Report Surplus Deficit	6898	6261	3574	4944	7818	10141	12662	9986	10045	13509	13979	11721	14506	9771	9617
29	1957 Regional Report Surplus Deficit	7303	6857	3967	4517	4470	6611	5607	5033	6281	13637	8658	12558	14191	7008	7379
30	1958 Regional Report Surplus Deficit	4338	3613	3277	3589	4151	3905	6526	5820	6730	10638	9933	11702	12600	5787	6522
31	1959 Regional Report Surplus Deficit	3894	3493	3137	4048	5811	8634	10762	9954	8085	11882	9174	9278	13009	7894	7883
32	1960 Regional Report Surplus Deficit	7243	7291	8708	9943	9568	8212	7340	5905	5976	15438	11522	8902	11169	7129	8633
33	1961 Regional Report Surplus Deficit	5075	3387	3004	3772	4752	4629	7439	6538	8186	11058	6821	9784	12998	6688	6738
34	1962 Regional Report Surplus Deficit	3943	3618	2875	3274	4080	3668	5517	5317	2962	14333	13192	9903	12045	3858	5900
35	1963 Regional Report Surplus Deficit	4043	3620	3031	4403	5912	7992	6747	7251	5466	7439	6646	8131	9970	7123	6400
36	1964 Regional Report Surplus Deficit	4063	4061	3774	3368	4038	4487	4354	3362	3332	11694	6675	9427	14245	10716	6202
37	1965 Regional Report Surplus Deficit	7021	7458	5189	5244	5552	10314	13140	12346	10540	9488	13386	11014	11126	8143	9259
38	1966 Regional Report Surplus Deficit	7537	7822	3681	4344	4937	5039	5208	4324	3572	13594	8552	7274	9117	7311	6134
39	1967 Regional Report Surplus Deficit	4285	3798	3248	3226	3711	5479	9334	9204	8802	8620	3958	8942	13314	9222	7054
40	1968 Regional Report Surplus Deficit	6381	5459	3737	4252	5236	5317	7607	7200	8821	6943	5217	5720	12266	8104	6681
41	1969 Regional Report Surplus Deficit	5967	5731	6230	5957	7655	7276	10664	10619	7631	13730	12785	11421	11840	7955	8838
42	1970 Regional Report Surplus Deficit	6017	4586	3586	3791	4481	3540	5743	6464	5591	8908	4668	8648	12819	5843	6035
43	1971 Regional Report Surplus Deficit	3750	3303	3068	3220	4140	4138	11013	13114	11286	13248	12093	11612	13890	10980	8517
44	1972 Regional Report Surplus Deficit	8284	7483	5046	4610	4999	5900	11923	11596	14418	15426	10923	11558	14161	10818	9660
45	1973 Regional Report Surplus Deficit	8449	8387	5971	4540	4711	5663	5761	3951	2178	2523	4744	5590	5609	3830	4997
46	1974 Regional Report Surplus Deficit	2475	1790	3226	3339	3593	7704	14353	13837	12648	14242	13238	11047	13673	11473	9198
47	1975 Regional Report Surplus Deficit	8205	8106	5589	3452	4414	4629	5882	6557	6925	8091	7219	10051	13937	11537	7400
48	1976 Regional Report Surplus Deficit	6873	6206	4794	6173	8247	12222	10702	10261	9988	13891	12390	11466	12205	10282	9663
49	1977 Regional Report Surplus Deficit	8609	9334	8990	4376	4193	2396	1326	2009	1938	3556	4384	2967	1065	2884	3764
50	1978 Regional Report Surplus Deficit	1566	1131	1713	2250	3195	6625	5771	5678	5195	13139	9069	10025	8639	8127	5802
51	1979 Regional Report Surplus Deficit	4341	3815	6254	4377	4219	3617	3892	2708	5400	6835	7068	9876	6513	2903	5074
52	1980 Regional Report Surplus Deficit	1644	1800	2802	3412	3744	2449	3515	3492	2580	9685	9802	12030	12213	4755	5198
53	1981 Regional Report Surplus Deficit	3291	2596	3436	3600	4255	9155	8400	8086	5978	5086	7161	8470	13323	8365	6834
54	1982 Regional Report Surplus Deficit	6031	6614	4058	3701	4937	6424	8581	11111	13095	12339	9812	11374	13424	9693	8632

Regional Report Surplus Deficit By Water Year

Operating Year 2015

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	7853	7655	6982	5639	5362	7291	10122	9030	10824	11991	8690	10576	11736	9899	8796
56	1984 Regional Report Surplus Deficit	7500	7307	4421	4244	8764	7046	8550	8185	7990	13984	11649	9956	14013	9323	8547
57	1985 Regional Report Surplus Deficit	5797	5269	4273	4369	5707	4903	4282	3992	4832	10965	10184	10544	8492	1574	5754
58	1986 Regional Report Surplus Deficit	1102	802	3020	5388	7253	4436	7308	7822	13760	12855	11276	8471	11611	5403	7272
59	1987 Regional Report Surplus Deficit	3910	2999	3223	3319	4469	5145	3875	2911	4929	6408	6580	7908	7236	3263	4691
60	1988 Regional Report Surplus Deficit	1215	694	2757	2920	3211	1644	1159	-228	2002	5212	6630	5473	5191	4922	3006
61	1989 Regional Report Surplus Deficit	1987	1752	2921	2916	3231	4225	2032	693	4154	11123	12415	9208	8319	3274	4560
62	1990 Regional Report Surplus Deficit	2569	1939	3052	3161	5320	5711	6932	7164	7050	9463	12438	8811	11587	6611	6531
63	1991 Regional Report Surplus Deficit	5698	4796	3535	2701	8174	7168	7864	9054	7668	11286	8157	9477	11381	9623	7615
64	1992 Regional Report Surplus Deficit	6519	6752	3438	2728	4093	2942	2898	2894	3786	4901	4814	4666	3715	2434	3762
65	1993 Regional Report Surplus Deficit	1040	829	2626	3016	3204	2667	90.3	-552	3453	6410	6769	8913	9597	5184	3827
66	1994 Regional Report Surplus Deficit	3710	2951	3418	2960	3983	2811	999	1161	1885	4396	6460	7209	7048	4156	3705
67	1995 Regional Report Surplus Deficit	2221	1497	2989	2724	2816	3699	2999	6140	8325	8224	5872	7375	12290	6630	5391
68	1996 Regional Report Surplus Deficit	3946	3422	4344	5417	10310	13618	13628	13791	13668	13480	14300	11044	12871	9938	10491
69	1997 Regional Report Surplus Deficit	6995	6974	3682	3684	5120	7174	13431	13571	14276	13709	14234	11800	14621	11003	9919
70	1998 Regional Report Surplus Deficit	8201	7848	6884	8967	7359	6412	6164	5345	5302	8177	8058	11769	13665	7451	7965
71	1999 Regional Report Surplus Deficit	5236	3612	3529	3394	3867	6534	10635	10576	11413	11470	10871	10573	14326	10733	8413
72	2000 Regional Report Surplus Deficit	8344	8337	5266	4057	8853	8280	6814	6202	6539	13223	13054	8215	9251	6820	7644
73	2001 Regional Report Surplus Deficit	4703	2751	3032	3419	3674	2211	1004	1309	2240	3725	5265	4118	633	2790	2728
74	2002 Regional Report Surplus Deficit	1494	1451	2238	1917	2579	3408	2595	2552	2743	9332	10879	7054	12310	9134	4840
75	2003 Regional Report Surplus Deficit	5775	4360	3293	2466	3682	2332	2367	1673	5572	8952	7504	7065	11093	2733	4632
76	2004 Regional Report Surplus Deficit	1581	809	2811	3591	3610	5131	2878	1029	3961	7533	6492	7100	8409	3722	4215
77	2005 Regional Report Surplus Deficit	2332	2655	3896	3887	4229	5515	4807	4379	3034	4884	5776	7900	8907	3837	4848
78	2006 Regional Report Surplus Deficit	2902	1906	2970	3223	3503	4293	6864	8344	6866	14029	12861	11905	12260	5572	6776
79	2007 Regional Report Surplus Deficit	3180	2768	2818	2282	5561	4813	6674	4458	9749	10849	8471	8586	8353	6539	6045
80	2008 Regional Report Surplus Deficit	3302	1576	2794	3305	3194	3793	3025	2749	3456	7538	4141	10826	14285	8131	5325

Ranked Averages

81	**Bottom 10 pct**	**2916**	**2142**	**2946**	**3153**	**3521**	**2271**	**811**	**807**	**1804**	**4413**	**4465**	**5151**	**4561**	**3719**	**2983**
82	**Middle 80 pct**	**4691**	**4192**	**3889**	**3961**	**4824**	**5199**	**5773**	**5564**	**6155**	**9833**	**8852**	**9207**	**10939**	**6737**	**6332**
83	**Top 10 pct**	**6274**	**5927**	**4255**	**4908**	**6791**	**9727**	**12707**	**12308**	**12104**	**13439**	**13116**	**11277**	**13030**	**10106**	**9698**

Regional Report Surplus Deficit By Water Year

Operating Year 2016

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	4337	4142	2560	3843	3875	2071	637	1058	1477	1928	2905	5206	8026	2348	3146
2	1930 Regional Report Surplus Deficit	2128	2094	2523	2896	3205	1853	208	1597	1537	2811	4279	4766	3650	4429	2693
3	1931 Regional Report Surplus Deficit	2188	1880	2384	2776	3368	1750	-587	-972	1104	3179	596	5884	4833	3214	2315
4	1932 Regional Report Surplus Deficit	1117	429	2418	2560	2839	2393	-1331	-581	5861	9858	9861	11707	13713	5545	4646
5	1933 Regional Report Surplus Deficit	4451	4351	2931	3305	3499	4834	4898	6530	5892	7263	4776	9151	15228	10222	6403
6	1934 Regional Report Surplus Deficit	6030	6631	3316	5436	8895	11704	12239	11359	9554	11728	9367	9993	9475	4950	8642
7	1935 Regional Report Surplus Deficit	1743	1877	2075	3111	3064	4455	5302	6031	6071	5209	4007	8334	9434	7244	5127
8	1936 Regional Report Surplus Deficit	5229	3647	2349	2762	3168	1593	189	299	2229	4502	8266	11929	12226	4528	4343
9	1937 Regional Report Surplus Deficit	2571	1757	2221	2658	3251	1841	135	-689	1333	2728	720	5823	6590	3568	2559
10	1938 Regional Report Surplus Deficit	2988	1944	2476	3132	3170	5103	5075	4765	5473	9573	10801	11363	11733	6229	5925
11	1939 Regional Report Surplus Deficit	3164	2419	2683	3445	3328	2197	2896	2733	3168	6635	6161	9519	6374	3844	4115
12	1940 Regional Report Surplus Deficit	1646	1468	2499	3301	3466	4455	2517	1408	7624	7042	4941	7508	6370	3279	4174
13	1941 Regional Report Surplus Deficit	1519	1107	2180	3133	2628	3709	216	1254	1775	2708	2113	5891	5987	4108	2888
14	1942 Regional Report Surplus Deficit	1842	1390	1604	3246	4307	4944	3660	3608	3666	4153	5818	7013	10190	7830	4722
15	1943 Regional Report Surplus Deficit	3989	3097	3529	3367	3259	4179	5996	7076	7078	13222	12043	11277	14491	6965	6930
16	1944 Regional Report Surplus Deficit	4551	4299	3249	2839	3439	2122	953	1430	2086	1598	3542	3389	3522	2807	2738
17	1945 Regional Report Surplus Deficit	1486	893	1601	2689	2858	633	177	870	1563	1859	9.38	8751	11913	2829	2997
18	1946 Regional Report Surplus Deficit	3141	2551	2889	2957	3199	5026	5064	4822	5904	10271	11049	11363	12722	7821	6268
19	1947 Regional Report Surplus Deficit	5577	4595	3025	3046	4424	9383	8215	8927	9231	8397	6552	10159	12854	7685	7455
20	1948 Regional Report Surplus Deficit	4880	3167	2862	7755	7104	6378	8691	6549	5377	7919	9338	12510	15407	9192	7871
21	1949 Regional Report Surplus Deficit	6948	7524	4812	3812	4078	3826	4870	3451	7771	9811	9814	11930	12763	3503	6491
22	1950 Regional Report Surplus Deficit	2227	1668	2338	3136	3747	4181	8894	8747	9458	11677	9074	10838	14301	9048	7237
23	1951 Regional Report Surplus Deficit	7386	7203	3612	5540	8270	10342	11284	12761	11120	11850	10389	11086	12057	9242	9467
24	1952 Regional Report Surplus Deficit	6296	6227	3694	7127	5901	6742	7507	7816	6405	11386	11548	12962	13798	6600	8017
25	1953 Regional Report Surplus Deficit	4486	3053	2575	2712	2889	1954	5035	5025	5274	6173	4943	10693	15345	8863	5801
26	1954 Regional Report Surplus Deficit	4148	3944	3300	3510	4624	6041	7852	8021	7940	9081	7150	10825	13419	11208	7405
27	1955 Regional Report Surplus Deficit	7826	8408	7511	3998	6049	4790	2779	2665	2510	4922	3785	8027	14616	10966	6367
28	1956 Regional Report Surplus Deficit	6541	5518	2977	4629	7396	9740	11741	10140	9913	11582	11872	12294	15680	9597	9315
29	1957 Regional Report Surplus Deficit	6881	6682	3401	4202	4048	6210	5070	4719	6149	11724	6564	13138	15254	6834	7082
30	1958 Regional Report Surplus Deficit	4527	3802	2590	3273	3729	3504	5989	5506	6598	8725	7839	12434	13671	5613	6274
31	1959 Regional Report Surplus Deficit	2652	3101	2575	3732	5389	8232	10225	9640	7953	9968	7080	9754	14043	7720	7543
32	1960 Regional Report Surplus Deficit	7000	6938	8285	9627	9146	7811	6803	5591	5845	13518	9430	9382	12142	6955	8330
33	1961 Regional Report Surplus Deficit	4438	3435	2463	3457	4330	4228	6902	6224	8054	9145	4727	10258	13994	6514	6435
34	1962 Regional Report Surplus Deficit	4266	3498	2615	2958	3658	3267	4980	5003	2830	12405	11097	10369	13014	3684	5647
35	1963 Regional Report Surplus Deficit	3856	2977	2740	4087	5490	7591	6210	6736	5536	5526	4552	8613	10938	6947	6108
36	1964 Regional Report Surplus Deficit	4147	3431	3159	3053	3616	4086	3817	3048	3200	9781	4581	9910	15473	10544	5905
37	1965 Regional Report Surplus Deficit	6664	7105	4482	4928	5130	9913	12603	12032	10407	7573	11292	11558	12101	7960	8948
38	1966 Regional Report Surplus Deficit	7138	7464	2982	4028	4516	4638	4671	4010	3440	11681	6457	7755	10083	7137	5804
39	1967 Regional Report Surplus Deficit	4647	3399	3073	2911	3289	5078	8797	8890	8670	6707	1864	9471	14594	9045	6836
40	1968 Regional Report Surplus Deficit	6200	5105	3155	3937	4814	4916	7070	6886	8690	5030	3123	6199	13294	7929	6381
41	1969 Regional Report Surplus Deficit	5639	5519	5547	5642	7233	6875	10127	10368	7409	11840	10734	12350	12861	7780	8571
42	1970 Regional Report Surplus Deficit	5774	4141	2967	3476	4059	3139	5206	6151	5460	6995	2574	9139	13894	5669	5730
43	1971 Regional Report Surplus Deficit	2773	2344	2800	2904	3719	3737	10476	12800	11167	11331	9996	12269	15135	10820	8230
44	1972 Regional Report Surplus Deficit	7927	7129	4475	4295	4578	5498	11386	11282	14434	13537	8873	12227	15455	10661	9412
45	1973 Regional Report Surplus Deficit	8092	8034	5412	4225	4289	5262	5224	3637	2046	610	2650	6070	6575	3656	4682
46	1974 Regional Report Surplus Deficit	2168	1330	2545	3023	3171	7303	13816	13523	12535	12423	11257	11885	14986	11324	8957
47	1975 Regional Report Surplus Deficit	7894	7819	5040	3136	3992	4227	5345	6243	6793	6178	5125	10713	15076	11365	7121
48	1976 Regional Report Surplus Deficit	6685	6136	4083	5857	7825	11821	10165	9947	9856	11974	10299	12024	13211	10110	9370
49	1977 Regional Report Surplus Deficit	8076	8803	8329	4060	3771	1994	789	1695	1806	1643	2290	3447	2032	2710	3424
50	1978 Regional Report Surplus Deficit	1092	738	1303	1935	2773	6224	5234	5094	5324	11224	6973	10504	9605	7954	5496
51	1979 Regional Report Surplus Deficit	3992	3339	4633	4062	3797	3215	3355	2394	5269	4922	4974	10367	7480	2729	4665
52	1980 Regional Report Surplus Deficit	1376	1564	2395	3097	3323	2048	2978	3178	2449	7772	7709	12594	13200	4554	4910
53	1981 Regional Report Surplus Deficit	2748	1990	2862	3284	3833	8753	7863	7773	5846	3173	5068	8946	14339	8191	6509
54	1982 Regional Report Surplus Deficit	5919	6261	3871	3385	4515	6022	8044	11176	12668	10425	7716	11884	14419	9519	8378

Regional Report Surplus Deficit By Water Year

Operating Year 2016

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	7138	7128	5875	5323	4941	6889	9585	8716	10692	10079	6596	11091	12704	9732	8421
56	1984 Regional Report Surplus Deficit	7064	7411	4138	3929	8342	6644	8013	7871	7858	12070	9555	10445	15023	9150	8277
57	1985 Regional Report Surplus Deficit	6675	5169	3772	4054	5285	4502	3745	3678	4700	9052	8090	11038	9458	1400	5505
58	1986 Regional Report Surplus Deficit	692	873	2316	5073	6831	4035	6771	7508	13763	10942	9183	8950	12584	5220	6978
59	1987 Regional Report Surplus Deficit	3553	2502	2717	3004	4047	4743	3338	2597	4798	4495	4486	8389	8202	3089	4373
60	1988 Regional Report Surplus Deficit	1161	920	2352	2604	2789	1243	622	-542	1870	3298	4536	5952	6157	4748	2735
61	1989 Regional Report Surplus Deficit	2388	1686	2156	2601	2809	3824	1495	379	4023	9212	10324	9687	9285	3100	4265
62	1990 Regional Report Surplus Deficit	2076	2059	2607	2846	4898	5310	6395	6850	6918	7550	10344	9290	12558	6437	6246
63	1991 Regional Report Surplus Deficit	4901	4281	3246	2385	7752	6767	7327	8740	7536	9373	6064	9955	12346	9450	7304
64	1992 Regional Report Surplus Deficit	6162	6398	3118	2413	3671	2541	2361	2580	3654	2987	2720	5146	4682	2260	3467
65	1993 Regional Report Surplus Deficit	896	758	1654	2700	2782	2266	-447	-866	3321	4497	4675	9393	10563	5010	3490
66	1994 Regional Report Surplus Deficit	3616	2980	2571	2645	3561	2410	462	847	1753	2483	4367	7688	8014	3982	3390
67	1995 Regional Report Surplus Deficit	1909	1260	2429	2408	2394	3298	2462	5826	8193	6310	3779	7857	13284	6419	5087
68	1996 Regional Report Surplus Deficit	3595	3269	2953	5102	9889	13217	13091	13477	13483	11597	12236	11706	13932	9762	10150
69	1997 Regional Report Surplus Deficit	6769	6621	2958	3368	4699	6772	12894	13257	14143	11787	12131	12299	15687	10825	9617
70	1998 Regional Report Surplus Deficit	7702	7495	6281	8652	6937	6011	5627	5031	5170	6263	5965	12383	14709	7197	7647
71	1999 Regional Report Surplus Deficit	5745	4151	2957	3079	3445	6133	10098	10262	11281	9556	8779	11122	15393	10559	8194
72	2000 Regional Report Surplus Deficit	7909	8084	4596	3742	8431	7879	6277	5888	6408	11319	10968	8697	10219	6646	7321
73	2001 Regional Report Surplus Deficit	4346	2186	2436	3104	3253	1809	467	995	2108	1812	3171	4598	1599	2616	2400
74	2002 Regional Report Surplus Deficit	1134	870	600	1602	2158	3007	2058	2238	2611	7419	8785	7534	13291	8961	4424
75	2003 Regional Report Surplus Deficit	4978	3321	2924	2151	3260	1931	1830	1359	5440	7039	5410	7545	12072	2537	4279
76	2004 Regional Report Surplus Deficit	817	726	2051	3276	3189	4730	2341	715	3829	5620	4399	7579	9375	3548	3873
77	2005 Regional Report Surplus Deficit	1646	2081	4162	3571	3807	5114	4270	4065	2902	2971	3682	8381	9873	3663	4579
78	2006 Regional Report Surplus Deficit	2825	1839	2708	2908	3081	3891	6327	8030	6735	12098	10770	12576	13268	5309	6528
79	2007 Regional Report Surplus Deficit	3036	2414	2585	1967	5139	4412	6137	4144	9617	8936	6377	9070	9319	6365	5764
80	2008 Regional Report Surplus Deficit	2723	1596	1880	2990	2772	3391	2488	2435	3324	5625	2047	11349	15348	7957	4996

Ranked Averages

81	**Bottom 10 pct**	**2494**	**1892**	**2368**	**2837**	**3099**	**1870**	**274**	**493**	**1672**	**2499**	**2371**	**5632**	**5531**	**3540**	**2666**
82	**Middle 80 pct**	**4325**	**3875**	**3297**	**3646**	**4402**	**4797**	**5236**	**5249**	**6026**	**7921**	**6761**	**9735**	**11956**	**6558**	**6024**
83	**Top 10 pct**	**5967**	**5539**	**3511**	**4593**	**6370**	**9326**	**12122**	**12052**	**11987**	**11540**	**11044**	**11885**	**14139**	**9935**	**9404**

Regional Report Surplus Deficit By Water Year

Operating Year 2017

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	4036	3629	2230	3576	3516	1712	259	540	747	2309	3347	4216	6467	1770	2646
2	1930 Regional Report Surplus Deficit	1827	1581	2193	2629	2846	1493	-170	1078	806	3192	4721	3777	2091	3852	2191
3	1931 Regional Report Surplus Deficit	1887	1367	2054	2509	3010	1391	-965	-1490	373	3560	1038	4894	3274	2637	1818
4	1932 Regional Report Surplus Deficit	816	-83.9	2088	2293	2481	2033	-1709	-1099	5131	10239	10303	10730	12150	4967	4155
5	1933 Regional Report Surplus Deficit	4151	3838	2602	3038	3140	4475	4520	6011	5161	7644	5218	8162	13669	9645	5896
6	1934 Regional Report Surplus Deficit	5729	6118	2986	5169	8537	11345	11861	10841	8823	12106	9807	9004	7916	4372	8129
7	1935 Regional Report Surplus Deficit	1443	1365	1745	2844	2706	4095	4925	5513	5340	5589	4449	7345	7875	6666	4619
8	1936 Regional Report Surplus Deficit	4928	3134	2019	2495	2810	1233	-189	-219	1498	4883	8708	10959	10662	3950	3849
9	1937 Regional Report Surplus Deficit	2270	1244	1891	2391	2893	1482	-242	-1207	603	3108	1162	4834	5031	2990	2062
10	1938 Regional Report Surplus Deficit	2688	1432	2146	2865	2812	4743	4697	4247	4742	9956	11244	10316	10163	5664	5418
11	1939 Regional Report Surplus Deficit	2864	1907	2353	3178	2970	1838	2518	2215	2438	7016	6603	8541	4815	3267	3614
12	1940 Regional Report Surplus Deficit	1346	955	2169	3035	3108	4096	2139	890	6893	7423	5383	6517	4811	2701	3676
13	1941 Regional Report Surplus Deficit	1218	594	1850	2866	2270	3350	-162	736	1044	3089	2555	4901	4428	3531	2386
14	1942 Regional Report Surplus Deficit	1542	877	1274	2980	3949	4585	3283	3090	2935	4534	6260	6025	8630	7253	4219
15	1943 Regional Report Surplus Deficit	3688	2585	3199	3100	2901	3820	5618	6558	6347	13670	12552	10221	12793	6387	6412
16	1944 Regional Report Surplus Deficit	4250	3787	2919	2572	3081	1763	575	912	1355	1979	3984	2400	1963	2230	2236
17	1945 Regional Report Surplus Deficit	1185	380	1271	2422	2500	273	-201	352	833	2240	451	7753	10354	2251	2496
18	1946 Regional Report Surplus Deficit	2841	2038	2559	2690	2841	4667	4686	4304	5173	10658	11498	10339	11142	7230	5760
19	1947 Regional Report Surplus Deficit	5261	4082	2695	2780	4065	9024	7837	8409	8500	8778	6994	9192	11292	7108	6946
20	1948 Regional Report Surplus Deficit	4579	2654	2532	7488	6746	6019	8313	6031	4646	8300	9780	11521	13825	8614	7367
21	1949 Regional Report Surplus Deficit	6647	7011	4482	3545	3720	3466	4493	2933	7040	10191	10255	10911	11203	2928	5991
22	1950 Regional Report Surplus Deficit	1927	1155	2008	2870	3389	3822	8516	8229	8727	12057	9516	9838	12724	8471	6724
23	1951 Regional Report Surplus Deficit	7085	6691	3282	5273	7912	9982	10906	12243	10388	12226	10827	10073	10489	8664	8949
24	1952 Regional Report Surplus Deficit	5995	5714	3365	6860	5543	6382	7129	7298	5675	11766	11988	11930	12239	6024	7508
25	1953 Regional Report Surplus Deficit	4186	2540	2245	2445	2531	1594	4657	4507	4544	6554	5385	9700	13776	8286	5296
26	1954 Regional Report Surplus Deficit	3847	3431	2970	3243	4266	5682	7475	7503	7209	9462	7592	9829	11872	10628	6898
27	1955 Regional Report Surplus Deficit	7525	7895	7181	3731	5691	4431	2401	2147	1779	5303	4227	7037	13123	10391	5877
28	1956 Regional Report Surplus Deficit	6240	5005	2648	4362	7038	9380	11363	9622	9182	11973	12325	11268	14002	9019	8794
29	1957 Regional Report Surplus Deficit	6581	6169	3071	3935	3690	5850	4693	4201	5419	12105	7006	12199	13699	6256	6587
30	1958 Regional Report Surplus Deficit	4227	3289	2261	3006	3371	3144	5612	4988	5867	9106	8281	11379	12066	5035	5761
31	1959 Regional Report Surplus Deficit	2351	2589	2245	3466	5031	7873	9847	9122	7222	10349	7522	8755	12432	7143	7027
32	1960 Regional Report Surplus Deficit	6699	6425	7955	9360	8788	7452	6426	5073	5114	13905	9880	8391	10582	6377	7832
33	1961 Regional Report Surplus Deficit	4137	2923	2134	3190	3972	3868	6525	5706	7323	9526	5169	9261	12420	5936	5928
34	1962 Regional Report Surplus Deficit	3965	2985	2285	2692	3300	2908	4602	4485	2099	12790	11542	9385	11451	3106	5144
35	1963 Regional Report Surplus Deficit	3556	2464	2411	3820	5132	7231	5833	6217	4805	5906	4994	7622	9379	6369	5600
36	1964 Regional Report Surplus Deficit	3846	2919	2829	2786	3258	3727	3439	2530	2469	10162	5023	8923	13861	9964	5403
37	1965 Regional Report Surplus Deficit	6363	6592	4152	4662	4772	9553	12226	11514	9678	7955	11734	10553	10541	7383	8433
38	1966 Regional Report Surplus Deficit	6838	6951	2653	3761	4157	4278	4294	3492	2709	12063	6899	6766	8524	6560	5303
39	1967 Regional Report Surplus Deficit	4347	2886	2743	2644	2931	4718	8420	8372	7940	7088	2306	8464	12977	8469	6319
40	1968 Regional Report Surplus Deficit	5899	4592	2825	3670	4456	4556	6693	6368	7959	5411	3564	5211	11754	7342	5874
41	1969 Regional Report Surplus Deficit	5339	5006	5217	5375	6875	6515	9749	9850	6677	12244	11199	11288	11303	7204	8056
42	1970 Regional Report Surplus Deficit	5473	3628	2637	3209	3701	2779	4828	5632	4729	7376	3016	8159	12322	5091	5222
43	1971 Regional Report Surplus Deficit	2473	1831	2470	2637	3360	3378	10098	12282	10436	11719	10444	11329	13544	10251	7714
44	1972 Regional Report Surplus Deficit	7626	6617	4145	4028	4219	5139	11008	10764	13672	13913	9311	11186	13949	10090	8898
45	1973 Regional Report Surplus Deficit	7792	7521	5083	3958	3931	4903	4846	3119	1315	991	3092	5081	5016	3079	4179
46	1974 Regional Report Surplus Deficit	1867	817	2216	2756	2813	6943	13438	13005	11779	12757	11652	10760	13303	10737	8410
47	1975 Regional Report Surplus Deficit	7594	7306	4710	2870	3634	3868	4967	5725	6062	6559	5567	9680	13477	10789	6610
48	1976 Regional Report Surplus Deficit	6385	5623	3753	5591	7467	11462	9787	9429	9126	12352	10739	11000	11628	9529	8857
49	1977 Regional Report Surplus Deficit	7776	8290	8000	3794	3413	1635	411	1177	1076	2024	2732	2458	473	2133	2923
50	1978 Regional Report Surplus Deficit	791	225	973	1668	2415	5865	4856	4575	4593	11607	7417	9510	8046	7376	4991
51	1979 Regional Report Surplus Deficit	3692	2826	4303	3795	3439	2856	2978	1876	4538	5303	5416	9383	5921	2152	4166
52	1980 Regional Report Surplus Deficit	1075	1051	2065	2830	2964	1688	2600	2660	1718	8153	8150	11590	11642	3975	4407
53	1981 Regional Report Surplus Deficit	2447	1477	2532	3017	3475	8394	7485	7254	5115	3554	5510	7960	12764	7614	5999
54	1982 Regional Report Surplus Deficit	5618	5748	3541	3119	4157	5663	7667	10658	11924	10805	8157	10879	12843	8941	7860

Regional Report Surplus Deficit By Water Year

Operating Year 2017

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	6837	6616	5546	5056	4582	6530	9208	8198	9963	10460	7038	10093	11146	9147	7913
56	1984 Regional Report Surplus Deficit	6764	6898	3808	3662	7984	6285	7635	7353	7128	12451	9997	9447	13494	8572	7774
57	1985 Regional Report Surplus Deficit	6375	4656	3442	3787	4927	4143	3367	3160	3969	9433	8532	10043	7899	823	5003
58	1986 Regional Report Surplus Deficit	391	361	1986	4806	6473	3676	6393	6990	12967	11323	9624	7961	11027	4640	6465
59	1987 Regional Report Surplus Deficit	3253	1989	2387	2737	3689	4384	2961	2079	4067	4876	4928	7400	6643	2512	3872
60	1988 Regional Report Surplus Deficit	861	407	2022	2338	2431	884	244	-1060	1140	3679	4978	4963	4598	4171	2239
61	1989 Regional Report Surplus Deficit	2087	1173	1826	2334	2451	3465	1117	-139	3292	9593	10766	8698	7726	2523	3770
62	1990 Regional Report Surplus Deficit	1775	1546	2278	2579	4540	4950	6017	6332	6187	7930	10786	8301	10998	5860	5738
63	1991 Regional Report Surplus Deficit	4600	3769	2916	2118	7394	6408	6949	8222	6805	9754	6506	8968	10784	8871	6794
64	1992 Regional Report Surplus Deficit	5861	5885	2788	2146	3313	2181	1983	2062	2923	3368	3162	4156	3123	1683	2964
65	1993 Regional Report Surplus Deficit	595	245	1324	2434	2424	1906	-824	-1384	2590	4877	5117	8403	9004	4432	2997
66	1994 Regional Report Surplus Deficit	3315	2468	2241	2378	3203	2051	84.8	329	1022	2864	4809	6699	6455	3404	2891
67	1995 Regional Report Surplus Deficit	1608	747	2099	2141	2036	2938	2084	5308	7462	6691	4221	6866	11726	5840	4579
68	1996 Regional Report Surplus Deficit	3294	2756	2624	4835	9531	12858	12713	12959	12774	11982	12683	10731	12384	9184	9639
69	1997 Regional Report Surplus Deficit	6468	6109	2628	3102	4340	6413	12516	12739	13392	12170	12575	11289	14114	10248	9097
70	1998 Regional Report Surplus Deficit	7402	6982	5951	8385	6579	5651	5249	4513	4439	6644	6407	11364	13150	6620	7146
71	1999 Regional Report Surplus Deficit	5445	3638	2628	2812	3087	5774	9720	9744	10552	9937	9219	10140	13779	9985	7679
72	2000 Regional Report Surplus Deficit	7608	7571	4267	3475	8073	7519	5900	5370	5677	11697	11408	7707	8660	6068	6819
73	2001 Regional Report Surplus Deficit	4045	1673	2106	2837	2894	1450	89.6	477	1378	2193	3613	3609	40.3	2039	1898
74	2002 Regional Report Surplus Deficit	833	357	270	1335	1800	2647	1680	1720	1881	7800	9227	6545	11734	8384	3925
75	2003 Regional Report Surplus Deficit	4678	2808	2594	1884	2902	1572	1452	841	4710	7419	5852	6555	10506	1971	3781
76	2004 Regional Report Surplus Deficit	517	213	1721	3009	2831	4370	1963	197	3098	6001	4841	6590	7816	2970	3376
77	2005 Regional Report Surplus Deficit	1345	1568	3832	3305	3449	4754	3893	3547	2171	3352	4124	7390	8314	3086	4074
78	2006 Regional Report Surplus Deficit	2524	1326	2378	2641	2723	3532	5949	7512	6004	12481	11213	11542	11705	4739	6015
79	2007 Regional Report Surplus Deficit	2735	1901	2255	1700	4781	4053	5759	3626	8886	9317	6819	8078	7760	5788	5263
80	2008 Regional Report Surplus Deficit	2422	1083	1550	2723	2414	3032	2110	1917	2594	6006	2489	10350	13788	7379	4496
	Ranked Averages															
81	**Bottom 10 pct**	**2193**	**1379**	**2039**	**2571**	**2741**	**1511**	**-104**	**-25.1**	**941**	**2880**	**2813**	**4641**	**3972**	**2962**	**2166**
82	**Middle 80 pct**	**4024**	**3362**	**2967**	**3379**	**4044**	**4438**	**4859**	**4731**	**5294**	**8304**	**7204**	**8739**	**10389**	**5981**	**5519**
83	**Top 10 pct**	**5666**	**5026**	**3181**	**4326**	**6011**	**8966**	**11745**	**11534**	**11249**	**11916**	**11481**	**10858**	**12551**	**9357**	**8885**

Regional Report Surplus Deficit By Water Year

Operating Year 2018

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	3694	3286	1963	3355	3312	1406	-68.9	230	833	3168	3836	4410	7185	1643	2609
2	1930 Regional Report Surplus Deficit	1485	1238	1926	2408	2642	1187	-498	768	892	4051	5210	3970	2809	3725	2154
3	1931 Regional Report Surplus Deficit	1545	1024	1786	2288	2805	1085	-1293	-1800	460	4419	1527	5088	3992	2510	1781
4	1932 Regional Report Surplus Deficit	474	-427	1820	2072	2277	1727	-2037	-1409	5217	11098	10792	10910	12877	4840	4117
5	1933 Regional Report Surplus Deficit	3809	3495	2334	2817	2936	4169	4192	5702	5247	8503	5707	8355	14388	9518	5859
6	1934 Regional Report Surplus Deficit	5387	5776	2718	4948	8333	11039	11533	10531	8909	12968	10298	9202	8634	4245	8092
7	1935 Regional Report Surplus Deficit	1101	1022	1477	2622	2502	3790	4597	5203	5426	6448	4939	7538	8593	6539	4582
8	1936 Regional Report Surplus Deficit	4587	2791	1751	2273	2605	928	-517	-529	1585	5742	9197	11163	11387	3823	3814
9	1937 Regional Report Surplus Deficit	1928	901	1623	2170	2688	1176	-570	-1517	689	3967	1652	5027	5749	2863	2025
10	1938 Regional Report Surplus Deficit	2346	1089	1878	2644	2608	4437	4369	3937	4829	10814	11733	10557	10894	5524	5385
11	1939 Regional Report Surplus Deficit	2522	1564	2085	2956	2766	1532	2190	1905	2524	7875	7092	8727	5533	3140	3576
12	1940 Regional Report Surplus Deficit	1004	612	1901	2813	2904	3790	1811	580	6979	8282	5873	6710	5529	2574	3639
13	1941 Regional Report Surplus Deficit	877	251	1583	2645	2066	3044	-490	426	1130	3948	3044	5095	5146	3404	2349
14	1942 Regional Report Surplus Deficit	1200	534	1007	2758	3745	4279	2954	2780	3021	5393	6749	6218	9348	7126	4182
15	1943 Regional Report Surplus Deficit	3346	2242	2931	2878	2696	3514	5290	6248	6433	14443	12956	10433	13523	6260	6371
16	1944 Regional Report Surplus Deficit	3909	3444	2651	2351	2876	1457	247	602	1441	2838	4473	2593	2681	2103	2199
17	1945 Regional Report Surplus Deficit	843	37.7	1004	2201	2296	-32.6	-529	42.3	919	3099	941	7958	11089	2104	2460
18	1946 Regional Report Surplus Deficit	2499	1695	2291	2469	2636	4361	4358	3994	5259	11507	11977	10566	11897	7104	5729
19	1947 Regional Report Surplus Deficit	4970	3739	2427	2558	3861	8718	7509	8099	8586	9637	7483	9386	12008	6981	6911
20	1948 Regional Report Surplus Deficit	4237	2311	2264	7267	6542	5713	7985	5721	4732	9159	10269	11692	14502	8489	7325
21	1949 Regional Report Surplus Deficit	6305	6668	4214	3323	3516	3160	4165	2623	7127	11052	10747	11145	11918	2805	5957
22	1950 Regional Report Surplus Deficit	1585	812	1741	2648	3184	3516	8188	7919	8813	12910	9998	10032	13390	8343	6682
23	1951 Regional Report Surplus Deficit	6743	6348	3015	5052	7708	9676	10578	11933	10473	13086	11317	10268	11207	8537	8912
24	1952 Regional Report Surplus Deficit	5653	5371	3097	6639	5338	6076	6801	6988	5761	12615	12467	12193	12968	5884	7476
25	1953 Regional Report Surplus Deficit	3844	2197	1977	2224	2326	1288	4329	4197	4630	7413	5874	9902	14493	8159	5260
26	1954 Regional Report Surplus Deficit	3505	3089	2702	3022	4061	5376	7146	7193	7295	10321	8081	10020	12594	10503	6861
27	1955 Regional Report Surplus Deficit	7184	7552	6913	3509	5486	4125	2073	1837	1865	6162	4716	7231	13816	10266	5838
28	1956 Regional Report Surplus Deficit	5898	4662	2380	4141	6834	9075	11035	9312	9268	12813	12794	11461	14723	8893	8756
29	1957 Regional Report Surplus Deficit	6239	5826	2804	3713	3486	5544	4365	3891	5505	12964	7496	12427	14409	6129	6553
30	1958 Regional Report Surplus Deficit	3885	2946	1993	2785	3167	2838	5284	4678	5953	9965	8770	11585	12808	4908	5727
31	1959 Regional Report Surplus Deficit	2009	2246	1978	3244	4826	7567	9519	8812	7308	11208	8012	8953	13191	7016	6994
32	1960 Regional Report Surplus Deficit	6357	6083	7687	9139	8583	7146	6098	4763	5200	14757	10361	8585	11303	6250	7795
33	1961 Regional Report Surplus Deficit	3796	2580	1866	2968	3767	3562	6197	5396	7410	10385	5658	9459	13154	5810	5893
34	1962 Regional Report Surplus Deficit	3624	2643	2017	2470	3095	2602	4274	4175	2186	13624	12006	9568	12172	2979	5104
35	1963 Regional Report Surplus Deficit	3214	2121	2143	3599	4928	6925	5505	5908	4892	6765	5483	7817	10098	6241	5564
36	1964 Regional Report Surplus Deficit	3504	2576	2561	2565	3054	3421	3111	2220	2555	11021	5512	9118	14582	9839	5366
37	1965 Regional Report Surplus Deficit	6021	6249	3885	4440	4567	9247	11898	11204	9764	8814	12223	10770	11256	7260	8398
38	1966 Regional Report Surplus Deficit	6496	6608	2385	3540	3953	3972	3966	3182	2796	12922	7390	6959	9240	6433	5266
39	1967 Regional Report Surplus Deficit	4005	2543	2475	2423	2727	4412	8092	8062	8026	7947	2796	8686	13685	8342	6283
40	1968 Regional Report Surplus Deficit	5557	4249	2558	3449	4251	4250	6365	6058	8045	6270	4054	5404	12433	7225	5835
41	1969 Regional Report Surplus Deficit	4997	4663	4949	5154	6670	6209	9421	9540	6764	13065	11650	11551	12055	7077	8025
42	1970 Regional Report Surplus Deficit	5131	3285	2370	2987	3497	2473	4500	5323	4815	8235	3505	8356	13041	4964	5186
43	1971 Regional Report Surplus Deficit	2131	1488	2202	2416	3156	3072	9770	11972	10522	12556	10911	11524	14185	10117	7669
44	1972 Regional Report Surplus Deficit	7285	6274	3877	3807	4015	4833	10680	10454	13769	14736	9764	11402	14678	9969	8862
45	1973 Regional Report Surplus Deficit	7450	7178	4815	3737	3727	4597	4518	2809	1402	1850	3581	5273	5734	2952	4142
46	1974 Regional Report Surplus Deficit	1526	474	1948	2535	2609	6637	13110	12695	11864	13625	12152	11022	14062	10617	8384
47	1975 Regional Report Surplus Deficit	7252	6964	4442	2648	3430	3562	4639	5415	6148	7418	6056	9912	14207	10661	6578
48	1976 Regional Report Surplus Deficit	6043	5280	3486	5369	7263	11156	9459	9119	9211	13211	11228	11250	12367	9405	8827
49	1977 Regional Report Surplus Deficit	7434	7948	7732	3572	3209	1329	82.9	867	1162	2883	3222	2651	1191	2006	2886
50	1978 Regional Report Surplus Deficit	449	-117	705	1447	2210	5559	4528	4265	4679	12466	7905	9705	8764	7249	4954
51	1979 Regional Report Surplus Deficit	3350	2484	4035	3574	3234	2550	2649	1566	4624	6162	5905	9578	6639	2025	4129
52	1980 Regional Report Surplus Deficit	734	708	1797	2609	2760	1383	2272	2350	1804	9012	8640	11797	12360	3848	4372
53	1981 Regional Report Surplus Deficit	2105	1134	2264	2796	3270	8088	7157	6944	5201	4413	5999	8153	13494	7487	5963
54	1982 Regional Report Surplus Deficit	5276	5405	3273	2897	3953	5357	7339	10348	12022	11667	8650	11084	13591	8815	7828

Regional Report Surplus Deficit By Water Year

Operating Year 2018

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	6495	6273	5278	4835	4378	6224	8880	7888	10048	11317	7527	10288	11867	9024	7877
56	1984 Regional Report Surplus Deficit	6422	6555	3540	3441	7780	5979	7307	7043	7214	13310	10486	9650	14189	8444	7736
57	1985 Regional Report Surplus Deficit	6033	4314	3174	3565	4723	3837	3039	2850	4055	10292	9021	10246	8617	696	4967
58	1986 Regional Report Surplus Deficit	49.2	17.8	1719	4585	6269	3370	6065	6680	13064	12182	10111	8154	11744	4514	6429
59	1987 Regional Report Surplus Deficit	2911	1646	2119	2516	3485	4078	2633	1769	4153	5735	5417	7593	7361	2385	3835
60	1988 Regional Report Surplus Deficit	519	64.3	1755	2116	2227	578	-83.7	-1370	1226	4538	5467	5156	5316	4044	2202
61	1989 Regional Report Surplus Deficit	1746	830	1558	2112	2247	3159	789	-449	3378	10452	11255	8891	8444	2396	3733
62	1990 Regional Report Surplus Deficit	1433	1203	2010	2357	4336	4644	5689	6022	6273	8789	11276	8494	11716	5733	5701
63	1991 Regional Report Surplus Deficit	4258	3426	2648	1897	7190	6102	6621	7912	6891	10613	6995	9161	11506	8745	6758
64	1992 Regional Report Surplus Deficit	5519	5542	2520	1925	3109	1875	1655	1752	3009	4227	3651	4350	3841	1556	2927
65	1993 Regional Report Surplus Deficit	254	-97.6	1057	2212	2219	1601	-1152	-1694	2676	5736	5606	8595	9722	4305	2959
66	1994 Regional Report Surplus Deficit	2973	2125	1973	2157	2998	1745	-243	19.3	1108	3723	5298	6892	7173	3277	2854
67	1995 Regional Report Surplus Deficit	1266	404	1832	1920	1832	2632	1756	4998	7548	7550	4710	7061	12448	5708	4542
68	1996 Regional Report Surplus Deficit	2952	2413	2356	4614	9326	12552	12385	12649	12837	12836	13166	10972	13115	9062	9605
69	1997 Regional Report Surplus Deficit	6126	5766	2360	2880	4136	6107	12188	12429	13503	13023	13058	11501	14843	10127	9065
70	1998 Regional Report Surplus Deficit	7060	6639	5683	8163	6374	5346	4921	4203	4525	7503	6896	11584	13860	6508	7112
71	1999 Regional Report Surplus Deficit	5103	3295	2360	2591	2882	5468	9392	9434	10636	10796	9708	10328	14564	9856	7647
72	2000 Regional Report Surplus Deficit	7266	7228	3999	3253	7868	7213	5572	5060	5763	12557	11898	7899	9378	5941	6782
73	2001 Regional Report Surplus Deficit	3703	1330	1839	2616	2690	1144	-238	167	1464	3052	4102	3802	758	1912	1861
74	2002 Regional Report Surplus Deficit	492	14.4	2.59	1114	1595	2341	1352	1410	1967	8659	9716	6738	12453	8257	3888
75	2003 Regional Report Surplus Deficit	4336	2465	2326	1663	2697	1266	1124	531	4796	8278	6341	6749	11230	1834	3744
76	2004 Regional Report Surplus Deficit	175	-129	1453	2788	2626	4065	1635	-113	3185	6860	5330	6783	8534	2843	3339
77	2005 Regional Report Surplus Deficit	1003	1226	3564	3083	3245	4448	3564	3237	2257	4211	4613	7586	9032	2959	4038
78	2006 Regional Report Surplus Deficit	2182	983	2110	2420	2519	3226	5621	7202	6090	13334	11696	11768	12428	4602	5980
79	2007 Regional Report Surplus Deficit	2393	1558	1988	1479	4577	3747	5431	3316	8972	10176	7309	8271	8477	5661	5226
80	2008 Regional Report Surplus Deficit	2080	741	1282	2501	2209	2726	1782	1607	2680	6865	2979	10560	14519	7252	4462

Ranked Averages

81	**Bottom 10 pct**	**1851**	**1036**	**1771**	**2349**	**2536**	**1205**	**-432**	**-335**	**1028**	**3739**	**3302**	**4836**	**4692**	**2833**	**2129**
82	**Middle 80 pct**	**3683**	**3019**	**2699**	**3158**	**3840**	**4132**	**4531**	**4421**	**5381**	**9160**	**7690**	**8940**	**11108**	**5854**	**5483**
83	**Top 10 pct**	**5324**	**4683**	**2913**	**4105**	**5807**	**8660**	**11417**	**11224**	**11336**	**12768**	**11963**	**11081**	**13281**	**9234**	**8851**

Regional Report Surplus Deficit By Water Year

Operating Year 2019

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	3352	2944	1649	3112	3007	1068	-403	-101	432	1671	2850	3698	5974	1168	2090
2	1930 Regional Report Surplus Deficit	1143	895	1612	2165	2337	849	-832	438	491	2554	4223	3259	1598	3249	1634
3	1931 Regional Report Surplus Deficit	1203	681	1473	2045	2500	747	-1627	-2130	58.7	2922	540	4376	2781	2035	1262
4	1932 Regional Report Surplus Deficit	132	-769	1507	1829	1972	1389	-2371	-1740	4816	9601	9805	10167	11653	4365	3594
5	1933 Regional Report Surplus Deficit	3466	3153	2020	2574	2631	3831	3857	5371	4846	7006	4720	7644	13209	9042	5343
6	1934 Regional Report Surplus Deficit	5045	5433	2405	4705	8028	10701	11199	10200	8508	11468	9309	8488	7423	3770	7573
7	1935 Regional Report Surplus Deficit	758	679	1164	2380	2197	3452	4262	4872	5025	4952	3952	6826	7381	6064	4062
8	1936 Regional Report Surplus Deficit	4244	2449	1438	2031	2300	589	-851	-860	1184	4245	8211	10416	10166	3348	3290
9	1937 Regional Report Surplus Deficit	1586	558	1310	1927	2383	838	-905	-1848	288	2471	665	4313	4538	2388	1505
10	1938 Regional Report Surplus Deficit	2004	746	1565	2401	2303	4099	4035	3606	4428	9316	10744	9804	9677	5041	4861
11	1939 Regional Report Surplus Deficit	2180	1221	1772	2714	2461	1194	1856	1574	2123	6378	6106	8003	4321	2664	3056
12	1940 Regional Report Surplus Deficit	661	270	1588	2571	2599	3452	1476	249	6578	6785	4886	5997	4318	2099	3120
13	1941 Regional Report Surplus Deficit	534	-91.3	1269	2402	1761	2706	-824	95.1	729	2451	2057	4384	3935	2928	1830
14	1942 Regional Report Surplus Deficit	858	191	693	2516	3440	3941	2620	2449	2620	3896	5763	5507	8138	6650	3663
15	1943 Regional Report Surplus Deficit	3004	1899	2618	2636	2391	3176	4956	5917	6033	12937	11959	9673	12371	5785	5852
16	1944 Regional Report Surplus Deficit	3566	3101	2338	2108	2571	1119	-87.5	272	1041	1341	3487	1882	1470	1627	1679
17	1945 Regional Report Surplus Deficit	501	-305	690	1958	1991	-371	-863	-288	518	1602	-46.0	7231	9842	1672	1940
18	1946 Regional Report Surplus Deficit	2157	1352	1978	2226	2331	4023	4024	3664	4858	10001	10980	9795	10669	6628	5202
19	1947 Regional Report Surplus Deficit	4527	3396	2114	2316	3556	8380	7174	7768	8186	8139	6496	8645	10798	6506	6385
20	1948 Regional Report Surplus Deficit	3895	1968	1951	7024	6237	5375	7651	5390	4331	7662	9282	10907	13296	8014	6800
21	1949 Regional Report Surplus Deficit	5963	6326	3901	3081	3211	2822	3830	2292	6726	9551	9756	10313	10676	2370	5428
22	1950 Regional Report Surplus Deficit	1243	470	1427	2406	2879	3178	7854	7588	8412	11413	9011	9316	12205	7868	6165
23	1951 Regional Report Surplus Deficit	6401	6005	2701	4809	7403	9338	10244	11602	10072	11591	10333	9530	9999	8062	8390
24	1952 Regional Report Surplus Deficit	5311	5028	2783	6396	5033	5738	6467	6657	5360	11116	11478	11311	11745	5422	6942
25	1953 Regional Report Surplus Deficit	3501	1854	1664	1981	2021	950	3995	3866	4229	5916	4888	9177	13269	7684	4738
26	1954 Regional Report Surplus Deficit	3163	2746	2389	2779	3756	5038	6812	6862	6894	8824	7095	9305	11368	10026	6340
27	1955 Regional Report Surplus Deficit	6841	7210	6600	3267	5181	3787	1739	1506	1464	4665	3730	6518	12595	9786	5317
28	1956 Regional Report Surplus Deficit	5556	4320	2066	3898	6529	8737	10701	8982	8867	11325	11816	10704	13550	8416	8236
29	1957 Regional Report Surplus Deficit	5897	5483	2490	3471	3181	5206	4030	3560	5104	11467	6509	11616	13227	5654	6027
30	1958 Regional Report Surplus Deficit	3543	2603	1680	2543	2862	2500	4949	4347	5552	8468	7784	10847	11566	4433	5203
31	1959 Regional Report Surplus Deficit	1667	1903	1664	3002	4521	7229	9185	8482	6907	9711	7025	8240	11995	6541	6475
32	1960 Regional Report Surplus Deficit	6015	5740	7374	8897	8278	6808	5763	4433	4799	13265	9379	7872	10085	5775	7275
33	1961 Regional Report Surplus Deficit	3453	2237	1552	2726	3462	3224	5862	5065	7009	8888	4672	8726	11891	5334	5368
34	1962 Regional Report Surplus Deficit	3281	2300	1704	2228	2790	2264	3940	3845	1785	12135	11028	8845	10956	2504	4584
35	1963 Regional Report Surplus Deficit	2871	1779	1829	3356	4623	6587	5170	5577	4491	5268	4497	7105	8886	5767	5044
36	1964 Regional Report Surplus Deficit	3162	2233	2248	2322	2749	3083	2777	1890	2154	9524	4525	8398	13326	9360	4842
37	1965 Regional Report Surplus Deficit	5679	5906	3571	4198	4262	8909	11563	10873	9361	7317	11236	10028	10046	6782	7876
38	1966 Regional Report Surplus Deficit	6153	6266	2071	3298	3648	3634	3631	2851	2395	11425	6403	6247	8030	5958	4746
39	1967 Regional Report Surplus Deficit	3662	2201	2162	2180	2422	4074	7757	7731	7625	6450	1809	7887	12505	7866	5759
40	1968 Regional Report Surplus Deficit	5215	3907	2244	3206	3946	3912	6030	5727	7644	4773	3067	4692	11208	6750	5315
41	1969 Regional Report Surplus Deficit	4655	4320	4636	4911	6365	5871	9087	9209	6363	11581	10678	10586	10805	6600	7482
42	1970 Regional Report Surplus Deficit	4789	2942	2056	2745	3192	2135	4166	4992	4414	6738	2518	7624	11891	4489	4670
43	1971 Regional Report Surplus Deficit	1789	1146	1889	2174	2851	2734	9436	11642	10117	11065	9930	10738	13068	9647	7151
44	1972 Regional Report Surplus Deficit	6942	5931	3564	3564	3710	4495	10346	10123	13313	13252	8790	10630	13384	9489	8327
45	1973 Regional Report Surplus Deficit	7108	6836	4502	3494	3422	4259	4184	2478	1001	353	2595	4563	4523	2476	3623
46	1974 Regional Report Surplus Deficit	1183	131	1635	2293	2304	6299	12776	12364	11417	12087	11124	10224	12864	10139	7851
47	1975 Regional Report Surplus Deficit	6910	6621	4129	2406	3125	3224	4305	5084	5747	5921	5069	9106	13013	10185	6052
48	1976 Regional Report Surplus Deficit	5700	4938	3172	5127	6958	10818	9125	8788	8811	11712	10240	10467	11137	8928	8300
49	1977 Regional Report Surplus Deficit	7091	7605	7419	3330	2904	991	-252	536	761	1386	2235	1940	-20.5	1530	2367
50	1978 Regional Report Surplus Deficit	107	-460	392	1204	1905	5221	4194	3935	4278	10969	6920	8991	7553	6774	4435
51	1979 Regional Report Surplus Deficit	3008	2141	3722	3331	2929	2212	2315	1235	4223	4665	4918	8852	5427	1549	3608
52	1980 Regional Report Surplus Deficit	391	366	1484	2366	2455	1044	1938	2019	1403	7515	7653	11044	11146	3377	3849
53	1981 Regional Report Surplus Deficit	1763	791	1951	2554	2965	7750	6823	6614	4800	2916	5012	7442	12257	7011	5441
54	1982 Regional Report Surplus Deficit	4934	5063	2960	2655	3648	5019	7004	10018	11618	10168	7660	10354	12358	8339	7305

Regional Report Surplus Deficit By Water Year

Operating Year 2019

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	6153	5930	4964	4593	4073	5886	8545	7557	9645	9820	6539	9575	10653	8545	7356
56	1984 Regional Report Surplus Deficit	6079	6212	3227	3198	7475	5641	6973	6713	6813	11812	9498	8932	12954	7970	7214
57	1985 Regional Report Surplus Deficit	5690	3971	2861	3323	4418	3499	2705	2519	3655	8795	8034	9527	7406	220	4447
58	1986 Regional Report Surplus Deficit	-293	-325	1405	4342	5964	3032	5731	6349	12646	10685	9126	7443	10530	4043	5908
59	1987 Regional Report Surplus Deficit	2568	1303	1806	2273	3180	3740	2298	1438	3752	4238	4430	6882	6150	1909	3316
60	1988 Regional Report Surplus Deficit	177	-278	1441	1874	1922	240	-418	-1701	825	3041	4481	4445	4105	3569	1682
61	1989 Regional Report Surplus Deficit	1403	487	1245	1870	1942	2821	455	-780	2977	8955	10269	8180	7233	1921	3213
62	1990 Regional Report Surplus Deficit	1091	861	1697	2115	4031	4306	5355	5691	5872	7293	10289	7782	10502	5257	5182
63	1991 Regional Report Surplus Deficit	3916	3083	2335	1655	6885	5764	6287	7582	6490	9116	6008	8450	10294	8269	6238
64	1992 Regional Report Surplus Deficit	5177	5200	2207	1682	2804	1537	1321	1421	2608	2730	2664	3638	2629	1081	2407
65	1993 Regional Report Surplus Deficit	-88.7	-440	743	1970	1914	1262	-1487	-2025	2276	4240	4619	7883	8509	3830	2440
66	1994 Regional Report Surplus Deficit	2631	1782	1660	1914	2693	1407	-578	-311	708	2226	4311	6181	5962	2802	2335
67	1995 Regional Report Surplus Deficit	924	61.2	1518	1678	1527	2294	1422	4667	7147	6053	3723	6350	11241	5227	4022
68	1996 Regional Report Surplus Deficit	2610	2071	2042	4371	9021	12214	12051	12319	12428	11297	12138	10181	11935	8581	9077
69	1997 Regional Report Surplus Deficit	5784	5423	2047	2638	3831	5769	11854	12098	13067	11525	12071	10764	13612	9642	8538
70	1998 Regional Report Surplus Deficit	6717	6296	5370	7921	6069	5008	4587	3872	4124	6006	5909	10842	12662	5934	6583
71	1999 Regional Report Surplus Deficit	4761	2953	2047	2348	2577	5130	9058	9103	10235	9299	8721	9580	13303	9379	7120
72	2000 Regional Report Surplus Deficit	6924	6886	3686	3011	7563	6875	5237	4730	5362	11059	10911	7187	8167	5466	6263
73	2001 Regional Report Surplus Deficit	3361	987	1525	2373	2385	806	-573	-164	1063	1555	3116	3091	-453	1436	1341
74	2002 Regional Report Surplus Deficit	149	-328	-311	871	1290	2003	1018	1079	1566	7162	8730	6027	11233	7782	3368
75	2003 Regional Report Surplus Deficit	3994	2122	2013	1420	2392	928	790	201	4395	6781	5354	6036	10014	1368	3225
76	2004 Regional Report Surplus Deficit	-167	-472	1140	2545	2321	3727	1300	-444	2784	5363	4343	6072	7323	2368	2820
77	2005 Regional Report Surplus Deficit	661	883	3251	2841	2940	4110	3230	2906	1856	2714	3626	6872	7821	2483	3518
78	2006 Regional Report Surplus Deficit	1840	640	1797	2177	2214	2888	5287	6872	5689	11837	10710	10997	11215	4131	5456
79	2007 Regional Report Surplus Deficit	2051	1216	1674	1236	4272	3409	5097	2985	8572	8679	6322	7558	7267	5186	4706
80	2008 Regional Report Surplus Deficit	1738	398	969	2259	1904	2388	1448	1276	2279	5368	1992	9821	13254	6777	3936
	Ranked Averages															
81	**Bottom 10 pct**	**1509**	**694**	**1457**	**2107**	**2231**	**867**	**-766**	**-666**	**627**	**2242**	**2315**	**4123**	**3477**	**2363**	**1609**
82	**Middle 80 pct**	**3339**	**2677**	**2386**	**2915**	**3535**	**3794**	**4196**	**4091**	**4980**	**7663**	**6704**	**8204**	**9895**	**5378**	**4961**
83	**Top 10 pct**	**4982**	**4341**	**2600**	**3862**	**5502**	**8322**	**11082**	**10894**	**10917**	**11263**	**10968**	**10316**	**12066**	**8755**	**8324**

Regional Report Surplus Deficit By Water Year

Operating Year 2020

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	2971	2573	1370	2823	2675	744	-719	-199	202	1807	2444	3767	6518	890	1911
2	1930 Regional Report Surplus Deficit	761	524	1333	1876	2005	526	-1148	340	261	2690	3818	3328	2141	2972	1459
3	1931 Regional Report Surplus Deficit	822	310	1193	1756	2168	423	-1943	-2228	-171	3058	135	4445	3324	1757	1081
4	1932 Regional Report Surplus Deficit	-250	-1140	1227	1540	1640	1066	-2688	-1838	4586	9736	9374	10216	12197	4087	3405
5	1933 Regional Report Surplus Deficit	3085	2782	1741	2285	2299	3507	3541	5273	4616	7142	4315	7713	13722	8763	5168
6	1934 Regional Report Surplus Deficit	4663	5062	2125	4416	7696	10377	10883	10102	8278	11582	8881	8556	7966	3492	7406
7	1935 Regional Report Surplus Deficit	377	308	884	2090	1865	3128	3946	4774	4795	5087	3547	6894	7926	5786	3892
8	1936 Regional Report Surplus Deficit	3863	2078	1158	1741	1968	266	-1167	-958	954	4381	7805	10458	10706	3071	3104
9	1937 Regional Report Surplus Deficit	1204	187	1030	1638	2051	514	-1221	-1946	57.7	2606	260	4383	5082	2111	1324
10	1938 Regional Report Surplus Deficit	1622	375	1285	2112	1971	3775	3719	3508	4198	9452	10321	9775	10210	4789	4677
11	1939 Regional Report Surplus Deficit	1798	850	1492	2425	2129	870	1540	1476	1893	6514	5700	8076	4865	2387	2880
12	1940 Regional Report Surplus Deficit	280	-101	1309	2281	2267	3128	1160	151	6348	6921	4481	6068	4861	1821	2940
13	1941 Regional Report Surplus Deficit	153	-462	990	2113	1429	2382	-1140	-2.95	499	2587	1652	4452	4479	2651	1653
14	1942 Regional Report Surplus Deficit	476	-180	414	2226	3108	3617	2304	2351	2390	4031	5357	5576	8678	6371	3487
15	1943 Regional Report Surplus Deficit	2622	1528	2338	2347	2059	2852	4640	5819	5802	13064	11520	9780	12888	5506	5679
16	1944 Regional Report Surplus Deficit	3185	2730	2059	1819	2239	795	-404	174	810	1477	3081	1950	2014	1350	1503
17	1945 Regional Report Surplus Deficit	119	-676	411	1669	1659	-694	-1179	-386	288	1738	-451	7298	10406	1369	1761
18	1946 Regional Report Surplus Deficit	1775	981	1699	1937	1999	3699	3708	3566	4628	10147	10586	9849	11216	6351	5026
19	1947 Regional Report Surplus Deficit	4199	3025	1834	2026	3224	8056	6858	7670	7955	8276	6091	8709	11321	6228	6217
20	1948 Regional Report Surplus Deficit	3513	1597	1671	6735	5905	5051	7334	5292	4101	7797	8876	10938	13845	7731	6621
21	1949 Regional Report Surplus Deficit	5582	5955	3621	2791	2879	2499	3514	2194	6496	9689	9353	10439	11216	2098	5253
22	1950 Regional Report Surplus Deficit	861	98.6	1148	2116	2547	2854	7538	7490	8179	11548	8606	9327	12637	7592	5982
23	1951 Regional Report Surplus Deficit	6020	5634	2422	4520	7070	9015	9928	11504	9844	11723	9898	9609	10546	7784	8227
24	1952 Regional Report Surplus Deficit	4929	4657	2504	6107	4701	5415	6151	6559	5130	11252	11048	11453	12291	5142	6774
25	1953 Regional Report Surplus Deficit	3120	1483	1385	1692	1689	627	3678	3768	3999	6052	4482	9228	13752	7406	4557
26	1954 Regional Report Surplus Deficit	2781	2375	2109	2490	3424	4714	6496	6764	6664	8960	6689	9361	11908	9749	6168
27	1955 Regional Report Surplus Deficit	6460	6839	6320	2977	4849	3463	1423	1408	1234	4801	3324	6588	13145	9512	5136
28	1956 Regional Report Surplus Deficit	5175	3949	1787	3609	6196	8413	10385	8884	8635	11458	11385	10746	14100	8140	8063
29	1957 Regional Report Surplus Deficit	5515	5112	2211	3181	2849	4882	3714	3462	4874	11603	6104	11712	13763	5376	5850
30	1958 Regional Report Surplus Deficit	3161	2232	1400	2253	2530	2176	4633	4249	5322	8604	7378	10873	12128	4156	5026
31	1959 Regional Report Surplus Deficit	1286	1532	1385	2712	4189	6905	8869	8384	6677	9847	6620	8309	12484	6263	6304
32	1960 Regional Report Surplus Deficit	5634	5369	7094	8607	7946	6484	5447	4335	4569	13371	8944	7941	10632	5497	7093
33	1961 Regional Report Surplus Deficit	3072	1866	1273	2436	3130	2901	5546	4967	6778	9024	4266	8800	12483	5057	5199
34	1962 Regional Report Surplus Deficit	2900	1929	1424	1938	2458	1940	3624	3747	1555	12274	10602	8921	11494	2227	4409
35	1963 Regional Report Surplus Deficit	2490	1408	1550	3067	4291	6264	4854	5479	4261	5404	4091	7172	9429	5490	4873
36	1964 Regional Report Surplus Deficit	2781	1862	1969	2033	2417	2759	2461	1792	1924	9660	4120	8467	13896	9088	4665
37	1965 Regional Report Surplus Deficit	5297	5535	3292	3908	3930	8586	11247	10775	9133	7453	10806	10086	10587	6501	7710
38	1966 Regional Report Surplus Deficit	5772	5895	1792	3008	3316	3311	3315	2753	2165	11535	5998	6317	8573	5680	4568
39	1967 Regional Report Surplus Deficit	3281	1830	1882	1891	2090	3750	7441	7633	7395	6586	1404	7989	12973	7589	5589
40	1968 Regional Report Surplus Deficit	4834	3536	1965	2917	3614	3589	5714	5629	7414	4909	2662	4759	11760	6473	5144
41	1969 Regional Report Surplus Deficit	4273	3949	4356	4622	6033	5548	8771	9111	6133	11709	10240	10730	11350	6324	7319
42	1970 Regional Report Surplus Deficit	4408	2571	1777	2455	2860	1811	3850	4894	4184	6874	2113	7695	12350	4211	4492
43	1971 Regional Report Surplus Deficit	1407	775	1610	1884	2519	2410	9120	11544	9888	11198	9498	10740	13605	9360	6983
44	1972 Regional Report Surplus Deficit	6561	5560	3284	3275	3378	4171	10030	10025	13154	13347	8368	10662	13900	9216	8159
45	1973 Regional Report Surplus Deficit	6726	6465	4222	3205	3089	3935	3868	2380	771	489	2189	4629	5067	2199	3447
46	1974 Regional Report Surplus Deficit	802	-240	1355	2003	1972	5975	12459	12266	11217	12162	10632	10297	13419	9875	7690
47	1975 Regional Report Surplus Deficit	6528	6250	3849	2116	2793	2900	3988	4986	5517	6057	4664	9178	13515	9907	5874
48	1976 Regional Report Surplus Deficit	5319	4567	2893	4837	6626	10494	8809	8690	8581	11849	9811	10532	11686	8649	8128
49	1977 Regional Report Surplus Deficit	6710	7234	7139	3040	2572	667	-568	438	531	1522	1830	2008	523	1253	2189
50	1978 Regional Report Surplus Deficit	-275	-831	112	915	1573	4897	3878	3837	4048	11105	6514	9055	8096	6496	4261
51	1979 Regional Report Surplus Deficit	2626	1770	3443	3042	2597	1888	1999	1137	3993	4801	4513	8910	5971	1272	3429
52	1980 Regional Report Surplus Deficit	9.83	-5.31	1205	2077	2123	721	1622	1921	1173	7651	7248	11133	11691	3097	3673
53	1981 Regional Report Surplus Deficit	1381	420	1672	2264	2633	7426	6507	6516	4570	3052	4607	7508	12811	6734	5273
54	1982 Regional Report Surplus Deficit	4552	4692	2681	2365	3316	4695	6688	9920	11395	10300	7252	10438	12899	8062	7142

Regional Report Surplus Deficit By Water Year

Operating Year 2020

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	5771	5559	4685	4303	3741	5562	8229	7459	9416	9956	6135	9634	11195	8267	7184
56	1984 Regional Report Surplus Deficit	5698	5841	2947	2909	7143	5317	6657	6615	6583	11946	9091	9006	13528	7692	7044
57	1985 Regional Report Surplus Deficit	5309	3600	2581	3034	4086	3175	2389	2421	3424	8931	7629	9586	7949	-57.2	4269
58	1986 Regional Report Surplus Deficit	-675	-696	1126	4053	5632	2708	5415	6251	12407	10820	8722	7511	11071	3769	5736
59	1987 Regional Report Surplus Deficit	2187	932	1526	1984	2848	3416	1982	1340	3522	4373	4025	6951	6694	1632	3138
60	1988 Regional Report Surplus Deficit	-205	-649	1162	1584	1590	-84.1	-734	-1799	595	3177	4075	4514	4648	3291	1501
61	1989 Regional Report Surplus Deficit	1022	116	965	1580	1610	2497	139	-878	2747	9090	9837	8249	7777	1643	3029
62	1990 Regional Report Surplus Deficit	710	490	1417	1825	3699	3982	5039	5593	5642	7428	9859	7852	11047	4980	5010
63	1991 Regional Report Surplus Deficit	3535	2712	2056	1365	6553	5440	5971	7484	6260	9252	5603	8516	10834	7991	6069
64	1992 Regional Report Surplus Deficit	4796	4828	1927	1393	2472	1214	1005	1323	2378	2866	2259	3707	3173	803	2232
65	1993 Regional Report Surplus Deficit	-470	-811	464	1680	1582	939	-1803	-2123	2045	4375	4214	7950	9054	3552	2255
66	1994 Regional Report Surplus Deficit	2249	1411	1380	1625	2361	1083	-894	-409	477	2362	3906	6250	6506	2524	2156
67	1995 Regional Report Surplus Deficit	543	-310	1239	1388	1195	1970	1106	4569	6917	6189	3318	6416	11782	4953	3852
68	1996 Regional Report Surplus Deficit	2229	1700	1763	4082	8689	11890	11734	12221	12194	11454	11729	10252	12459	8309	8913
69	1997 Regional Report Surplus Deficit	5402	5052	1767	2348	3499	5445	11538	12000	12848	11658	11638	10826	14154	9368	8374
70	1998 Regional Report Surplus Deficit	6336	5925	5090	7631	5737	4684	4271	3774	3894	6142	5504	10907	13181	5656	6401
71	1999 Regional Report Surplus Deficit	4379	2582	1767	2059	2245	4806	8742	9005	10007	9435	8315	9662	13857	9102	6956
72	2000 Regional Report Surplus Deficit	6542	6515	3406	2721	7231	6552	4921	4632	5132	11194	10481	7255	8711	5188	6085
73	2001 Regional Report Surplus Deficit	2980	616	1246	2084	2053	482	-889	-262	833	1691	2710	3159	90.8	1159	1165
74	2002 Regional Report Surplus Deficit	-232	-699	-590	582	958	1680	702	981	1336	7298	8324	6095	11785	7504	3190
75	2003 Regional Report Surplus Deficit	3612	1751	1733	1131	2060	604	474	103	4165	6917	4949	6104	10557	1090	3044
76	2004 Regional Report Surplus Deficit	-549	-843	860	2256	1989	3403	984	-542	2554	5499	3938	6141	7867	2090	2639
77	2005 Regional Report Surplus Deficit	279	512	2971	2551	2608	3787	2914	2808	1626	2850	3221	6940	8364	2206	3344
78	2006 Regional Report Surplus Deficit	1459	269	1517	1888	1882	2564	4971	6774	5459	11957	10264	11042	11754	3864	5284
79	2007 Regional Report Surplus Deficit	1669	845	1395	947	3940	3085	4781	2887	8341	8815	5917	7629	7811	4908	4530
80	2008 Regional Report Surplus Deficit	1356	26.9	690	1969	1572	2064	1132	1178	2049	5504	1587	9899	13818	6499	3759
	Ranked Averages															
81	**Bottom 10 pct**	**1127**	**323**	**1178**	**1817**	**1899**	**543**	**-1082**	**-764**	**397**	**2378**	**1910**	**4191**	**4023**	**2082**	**1431**
82	**Middle 80 pct**	**2958**	**2306**	**2106**	**2626**	**3203**	**3470**	**3880**	**3993**	**4749**	**7797**	**6293**	**8271**	**10432**	**5101**	**4786**
83	**Top 10 pct**	**4601**	**3970**	**2320**	**3573**	**5170**	**7999**	**10766**	**10796**	**10701**	**11388**	**10533**	**10376**	**12606**	**8480**	**8158**

Regional Report Surplus Deficit By Water Year

Operating Year 2021

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

S104-WB-20130606-150434

	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	2513	2345	1082	2563	2436	-168	-2159	-1827	-1367	1025	1991	3025	4068	-784	908
2	1930 Regional Report Surplus Deficit	304	296	1045	1615	1766	-386	-2588	-1288	-1307	1908	3365	2585	-309	1298	453
3	1931 Regional Report Surplus Deficit	364	82.3	905	1495	1929	-489	-3383	-3856	-1740	2276	-318	3703	874	83.0	80.3
4	1932 Regional Report Surplus Deficit	-708	-1368	939	1279	1400	153	-4128	-3465	3017	8953	8921	9474	9746	2413	2410
5	1933 Regional Report Surplus Deficit	2627	2554	1453	2025	2060	2595	2101	3645	3048	6360	3862	6970	11272	7089	4158
6	1934 Regional Report Surplus Deficit	4205	4834	1837	4156	7456	9465	9443	8475	6709	10799	8428	7814	5516	1818	6389
7	1935 Regional Report Surplus Deficit	-80.9	80.1	596	1830	1625	2216	2506	3147	3227	4305	3094	6151	5476	4112	2880
8	1936 Regional Report Surplus Deficit	3405	1850	870	1481	1729	-646	-2607	-2585	-615	3599	7352	9715	8255	1397	2106
9	1937 Regional Report Surplus Deficit	746	-40.8	742	1377	1812	-398	-2661	-3573	-1511	1824	-194	3640	2632	437	324
10	1938 Regional Report Surplus Deficit	1164	147	997	1851	1732	2863	2279	1881	2629	8670	9867	9033	7760	3115	3671
11	1939 Regional Report Surplus Deficit	1340	622	1204	2164	1890	-42.0	99.8	-151	324	5732	5247	7334	2415	713	1875
12	1940 Regional Report Surplus Deficit	-178	-329	1021	2021	2027	2216	-280	-1477	4779	6139	4028	5325	2412	147	1938
13	1941 Regional Report Surplus Deficit	-305	-690	702	1853	1189	1470	-2580	-1631	-1069	1805	1199	3709	2029	977	648
14	1942 Regional Report Surplus Deficit	18.3	-408	126	1966	2869	2705	864	723	822	3249	4904	4832	6228	4698	2481
15	1943 Regional Report Surplus Deficit	2164	1300	2050	2086	1820	1940	3200	4191	4234	12281	11068	9038	10438	3832	4669
16	1944 Regional Report Surplus Deficit	2727	2502	1770	1559	2000	-117	-1844	-1454	-758	695	2628	1208	-436	-324	498
17	1945 Regional Report Surplus Deficit	-338	-904	123	1409	1420	-1607	-2619	-2014	-1281	956	-904	6556	7957	-305	758
18	1946 Regional Report Surplus Deficit	1317	753	1411	1677	1760	2787	2268	1938	3059	9365	10132	9106	8767	4677	4020
19	1947 Regional Report Surplus Deficit	3729	2797	1546	1766	2985	7144	5418	6042	6387	7494	5638	7966	8870	4554	5203
20	1948 Regional Report Surplus Deficit	3055	1369	1383	6475	5665	4139	5894	3665	2533	7015	8423	10195	11396	6057	5615
21	1949 Regional Report Surplus Deficit	5124	5727	3333	2531	2640	1587	2074	566	4927	8907	8900	9696	8766	423	4252
22	1950 Regional Report Surplus Deficit	403	-129	860	1856	2308	1942	6098	5863	6611	10767	8152	8585	10187	5918	4969
23	1951 Regional Report Surplus Deficit	5562	5406	2134	4260	6831	8102	8488	9877	8275	10941	9446	8866	8096	6110	7209
24	1952 Regional Report Surplus Deficit	4471	4429	2216	5847	4462	4503	4711	4931	3561	10470	10595	10710	9841	3468	5765
25	1953 Regional Report Surplus Deficit	2662	1255	1097	1431	1450	-285	2238	2141	2430	5270	4029	8485	11303	5732	3550
26	1954 Regional Report Surplus Deficit	2324	2147	1821	2229	3185	3802	5056	5136	5096	8178	6236	8619	9458	8074	5157
27	1955 Regional Report Surplus Deficit	6002	6611	6032	2717	4610	2551	-17.1	-220	-334	4019	2871	5846	10696	7839	4137
28	1956 Regional Report Surplus Deficit	4717	3721	1499	3349	5957	7501	8945	7256	7066	10676	10931	10004	11649	6466	7052
29	1957 Regional Report Surplus Deficit	5057	4884	1923	2921	2610	3970	2274	1835	3305	10821	5651	10969	11314	3702	4847
30	1958 Regional Report Surplus Deficit	2703	2004	1112	1993	2290	1264	3193	2622	3754	7821	6925	10130	9677	2482	4019
31	1959 Regional Report Surplus Deficit	828	1304	1097	2452	3950	5993	7429	6756	5109	9065	6167	7566	10034	4589	5289
32	1960 Regional Report Surplus Deficit	5176	5141	6806	8347	7707	5572	4007	2707	3000	12588	8491	7198	8182	3823	6091
33	1961 Regional Report Surplus Deficit	2614	1638	985	2176	2891	1988	4106	3339	5210	8242	3813	8057	10034	3383	4190
34	1962 Regional Report Surplus Deficit	2442	1701	1136	1678	2219	1028	2184	2119	1466	9088	10148	8179	9044	553	3429
35	1963 Regional Report Surplus Deficit	2032	1180	1262	2807	4051	5352	3414	3851	2692	4622	3638	6429	6978	3817	3862
36	1964 Regional Report Surplus Deficit	2323	1634	1680	1773	2178	1847	1021	164	356	8878	3667	7724	11446	7413	3663
37	1965 Regional Report Surplus Deficit	4840	5307	3004	3648	3691	7674	9807	9147	7564	6670	10353	9344	8137	4826	6692
38	1966 Regional Report Surplus Deficit	5314	5666	1504	2748	3077	2399	1875	1126	1390	9738	5545	5574	6125	4006	3589
39	1967 Regional Report Surplus Deficit	2823	1602	1594	1630	1851	2838	6001	6006	5826	5804	951	7247	10524	5915	4574
40	1968 Regional Report Surplus Deficit	4376	3308	1677	2656	3375	2676	4274	4002	5846	4127	2209	4018	9310	4799	4134
41	1969 Regional Report Surplus Deficit	3815	3721	4068	4361	5794	4636	7331	7483	4565	10928	9786	9988	8901	4650	6305
42	1970 Regional Report Surplus Deficit	3950	2343	1489	2195	2620	899	2410	3266	2615	6092	1660	6952	9901	2537	3481
43	1971 Regional Report Surplus Deficit	949	546	1322	1624	2280	1498	7680	9916	8320	10415	9044	9997	11154	7685	5961
44	1972 Regional Report Surplus Deficit	6103	5332	2996	3014	3139	3259	8590	8397	11586	12565	7915	9919	11450	7541	7144
45	1973 Regional Report Surplus Deficit	6268	6237	3934	2944	2850	3023	2428	752	-798	-293	1736	3887	2617	525	2441
46	1974 Regional Report Surplus Deficit	344	-468	1067	1743	1732	5063	11019	10639	9648	11381	10180	9554	10970	8200	6668
47	1975 Regional Report Surplus Deficit	6070	6022	3561	1856	2554	1988	2548	3358	3947	5276	4212	8436	11066	8231	4867
48	1976 Regional Report Surplus Deficit	4861	4339	2605	4577	6386	9582	7369	7063	7012	11067	9358	9790	9235	6975	7117
49	1977 Regional Report Surplus Deficit	6252	7006	6851	2780	2332	-245	-2008	-1190	-1038	740	1376	1266	-1927	-421	1185
50	1978 Regional Report Surplus Deficit	-733	-1059	-176	655	1334	3985	2438	2209	2480	10323	6061	8313	5646	4822	3253
51	1979 Regional Report Surplus Deficit	2168	1542	3155	2781	2358	976	559	-491	2425	4019	4060	8168	3521	-402	2426
52	1980 Regional Report Surplus Deficit	-448	-233	917	1816	1884	-191	182	294	-395	6869	6795	10390	9241	1424	2669
53	1981 Regional Report Surplus Deficit	923	192	1384	2004	2394	6514	5067	4888	3002	2270	4154	6767	10362	5060	4261
54	1982 Regional Report Surplus Deficit	4094	4464	2392	2105	3077	3783	5248	8292	9827	9518	6799	9696	10450	6388	6125

Regional Report Surplus Deficit By Water Year

Operating Year 2021

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	5313	5331	4397	4043	3502	4650	6789	5832	7847	9176	5682	8893	8745	6594	6174
56	1984 Regional Report Surplus Deficit	5240	5613	2659	2649	6903	4405	5217	4987	5014	11165	8638	8264	11079	6018	6036
57	1985 Regional Report Surplus Deficit	4851	3372	2293	2773	3847	2263	949	793	1856	8149	7176	8843	5500	-1731	3265
58	1986 Regional Report Surplus Deficit	-1132	-924	838	3792	5392	1796	3975	4623	10838	10038	8269	6769	8620	2096	4726
59	1987 Regional Report Surplus Deficit	1729	704	1238	1724	2608	2504	542	-288	1953	3592	3572	6208	4244	-42.4	2134
60	1988 Regional Report Surplus Deficit	-663	-877	874	1324	1350	-996	-2174	-3426	-974	2395	3622	3771	2199	1617	501
61	1989 Regional Report Surplus Deficit	564	-112	677	1320	1370	1585	-1301	-2505	1178	8308	9384	7506	5327	-31.0	2031
62	1990 Regional Report Surplus Deficit	252	261	1129	1565	3460	3070	3599	3966	4074	6646	9406	7109	8597	3306	3999
63	1991 Regional Report Surplus Deficit	3077	2484	1768	1105	6313	4528	4531	5856	4692	8470	5150	7773	8385	6317	5056
64	1992 Regional Report Surplus Deficit	4338	4600	1639	1133	2233	301	-435	-305	810	2084	1806	2965	723	-871	1226
65	1993 Regional Report Surplus Deficit	-928	-1039	176	1420	1343	26.6	-3243	-3751	477	3593	3761	7208	6604	1879	1258
66	1994 Regional Report Surplus Deficit	1792	1183	1092	1365	2122	171	-2334	-2037	-1091	1580	3453	5507	4056	850	1153
67	1995 Regional Report Surplus Deficit	84.8	-538	951	1128	956	1058	-334	2942	5349	5407	2865	5674	9332	3280	2841
68	1996 Regional Report Surplus Deficit	1771	1471	1475	3822	8450	10978	10294	10593	10625	10672	11276	9509	10009	6636	7895
69	1997 Regional Report Surplus Deficit	4944	4824	1479	2088	3260	4533	10098	10373	11280	10876	11184	10083	11704	7694	7355
70	1998 Regional Report Surplus Deficit	5878	5697	4802	7371	5498	3772	2831	2146	2326	5360	5051	10165	10731	3982	5399
71	1999 Regional Report Surplus Deficit	3921	2354	1479	1798	2006	3894	7302	7377	8438	8652	7862	8920	11407	7427	5941
72	2000 Regional Report Surplus Deficit	6085	6287	3118	2461	6992	5640	3481	3004	3563	10413	10027	6513	6261	3514	5080
73	2001 Regional Report Surplus Deficit	2522	388	958	1824	1814	-430	-2329	-1889	-736	909	2257	2417	-2359	-515	160
74	2002 Regional Report Surplus Deficit	-690	-927	-878	322	719	767	-738	-647	-233	6516	7871	5353	9335	5830	2187
75	2003 Regional Report Surplus Deficit	3154	1523	1445	871	1821	-308	-966	-1525	2596	6135	4496	5361	8107	-583	2043
76	2004 Regional Report Surplus Deficit	-1007	-1071	572	1996	1750	2491	-456	-2170	985	4717	3485	5398	5417	416	1638
77	2005 Regional Report Surplus Deficit	-179	284	2683	2291	2368	2875	1474	1180	480	1173	2768	6198	5913	532	2335
78	2006 Regional Report Surplus Deficit	1001	41.4	1229	1628	1642	1652	3531	5146	3890	11175	9811	10300	9304	2189	4270
79	2007 Regional Report Surplus Deficit	1212	616	1107	687	3700	2173	3341	1259	6773	8033	5464	6886	5361	3234	3525
80	2008 Regional Report Surplus Deficit	898	-201	402	1709	1333	1152	-308	-449	480	4722	1134	9156	11368	4825	2756
	Ranked Averages															
81	**Bottom 10 pct**	**670**	**94.5**	**890**	**1557**	**1660**	**-369**	**-2522**	**-2391**	**-1172**	**1596**	**1457**	**3449**	**1573**	**408**	**428**
82	**Middle 80 pct**	**2500**	**2078**	**1818**	**2366**	**2964**	**2558**	**2440**	**2365**	**3223**	**6948**	**5840**	**7529**	**7983**	**3427**	**3779**
83	**Top 10 pct**	**4143**	**3742**	**2032**	**3312**	**4931**	**7086**	**9326**	**9168**	**9132**	**10606**	**10080**	**9634**	**10156**	**6806**	**7141**

Regional Report Surplus Deficit By Water Year

Operating Year 2022

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	1329	677	-338	1213	1073	-944	-2395	-2058	-1286	-336	598	3522	4964	-836	344
2	1930 Regional Report Surplus Deficit	-881	-1371	-375	266	404	-1163	-2824	-1519	-1227	547	1971	3082	588	1245	-111
3	1931 Regional Report Surplus Deficit	-821	-1586	-515	146	567	-1265	-3619	-4087	-1659	915	-1712	4200	1771	30.5	-483
4	1932 Regional Report Surplus Deficit	-1892	-3036	-481	-70.0	38.2	-623	-4363	-3696	3098	7593	7528	9970	10643	2361	1846
5	1933 Regional Report Surplus Deficit	1443	886	32.7	675	697	1818	1866	3414	3128	4998	2468	7467	12168	7036	3595
6	1934 Regional Report Surplus Deficit	3021	3166	417	2806	6094	8688	9208	8244	6790	9438	7035	8310	6413	1766	5825
7	1935 Regional Report Surplus Deficit	-1265	-1588	-824	481	263	1439	2271	2916	3307	2944	1700	6649	6372	4060	2317
8	1936 Regional Report Surplus Deficit	2221	182	-550	132	367	-1423	-2843	-2816	-534	2237	5959	10212	9152	1344	1542
9	1937 Regional Report Surplus Deficit	-438	-1709	-678	28.0	450	-1174	-2896	-3804	-1430	463	-1587	4137	3528	384	-240
10	1938 Regional Report Surplus Deficit	-20.0	-1521	-423	502	369	2087	2043	1650	2710	7309	8474	9530	8656	3063	3108
11	1939 Regional Report Surplus Deficit	156	-1046	-216	815	527	-818	-135	-382	405	4371	3854	7831	3312	660	1311
12	1940 Regional Report Surplus Deficit	-1362	-1997	-400	671	665	1440	-515	-1708	4860	4777	2634	5822	3308	94.9	1374
13	1941 Regional Report Surplus Deficit	-1489	-2358	-719	503	-173	694	-2815	-1861	-989	444	-195	4206	2925	924	84.4
14	1942 Regional Report Surplus Deficit	-1166	-2076	-1295	616	1506	1928	629	493	902	1888	3511	5330	7125	4645	1917
15	1943 Regional Report Surplus Deficit	980	-368	630	737	458	1164	2965	3961	4315	10920	9674	9535	11334	3780	4105
16	1944 Regional Report Surplus Deficit	1543	834	350	209	638	-893	-2079	-1685	-677	-666	1235	1705	460	-377	-66.1
17	1945 Regional Report Surplus Deficit	-1523	-2572	-1297	59.3	57.4	-2383	-2855	-2245	-1200	-406	-2298	7052	8853	-358	194
18	1946 Regional Report Surplus Deficit	133	-915	-9.63	327	398	2011	2032	1707	3140	8004	8739	9603	9663	4625	3457
19	1947 Regional Report Surplus Deficit	2544	1129	126	417	1623	6368	5183	5811	6468	6132	4245	8463	9767	4502	4639
20	1948 Regional Report Surplus Deficit	1871	-299	-37.0	5125	4303	3363	5659	3434	2614	5654	7030	10693	12292	6005	5051
21	1949 Regional Report Surplus Deficit	3939	4059	1913	1182	1277	810	1839	335	5008	7545	7507	10193	9663	371	3688
22	1950 Regional Report Surplus Deficit	-781	-1797	-560	507	946	1166	5863	5632	6691	9405	6759	9081	11083	5866	4405
23	1951 Regional Report Surplus Deficit	4377	3738	714	2910	5469	7326	8253	9646	8356	9580	8052	9363	8993	6058	6645
24	1952 Regional Report Surplus Deficit	3287	2762	796	4497	3100	3726	4475	4700	3642	9108	9202	11207	10737	3416	5202
25	1953 Regional Report Surplus Deficit	1478	-413	-324	82.1	88.0	-1062	2003	1910	2511	3909	2636	8982	12199	5680	2987
26	1954 Regional Report Surplus Deficit	1139	479	401	880	1823	3026	4821	4905	5177	6817	4843	9116	10355	8022	4593
27	1955 Regional Report Surplus Deficit	4818	4943	4612	1368	3248	1775	-252	-451	-254	2657	1478	6343	11592	7785	3573
28	1956 Regional Report Surplus Deficit	3533	2053	78.7	1999	4595	6724	8710	7025	7148	9315	9538	10501	12547	6413	6488
29	1957 Regional Report Surplus Deficit	3873	3217	503	1572	1247	3194	2039	1604	3386	9459	4257	11466	12210	3650	4283
30	1958 Regional Report Surplus Deficit	1519	336	-308	643	928	488	2958	2391	3834	6460	5532	10627	10575	2429	3455
31	1959 Regional Report Surplus Deficit	-357	-364	-323	1102	2588	5217	7193	6525	5189	7704	4773	8063	10930	4537	4725
32	1960 Regional Report Surplus Deficit	3992	3473	5386	6997	6345	4795	3772	2476	3081	11227	7097	7696	9078	3771	5527
33	1961 Regional Report Surplus Deficit	1430	-29.7	-435	827	1529	1212	3871	3108	5291	6880	2420	8554	10930	3330	3627
34	1962 Regional Report Surplus Deficit	1258	33.1	-284	329	857	252	1948	1888	66.9	10131	8755	8676	9940	500	2838
35	1963 Regional Report Surplus Deficit	848	-488	-158	1457	2689	4575	3179	3620	2773	3261	2245	6926	7875	3764	3298
36	1964 Regional Report Surplus Deficit	1139	-33.8	260	423	815	1071	786	-66.9	436	7516	2274	8221	12342	7362	3099
37	1965 Regional Report Surplus Deficit	3655	3640	1584	2299	2329	6897	9572	8916	7645	5309	8960	9841	9034	4774	6128
38	1966 Regional Report Surplus Deficit	4130	3999	83.7	1398	1714	1622	1640	895	677	9391	4151	6071	7020	3954	3000
39	1967 Regional Report Surplus Deficit	1639	-66.2	174	281	488	2062	5766	5775	5907	4442	-443	7744	11420	5862	4010
40	1968 Regional Report Surplus Deficit	3192	1640	257	1307	2013	1900	4039	3771	5926	2765	816	4514	10207	4746	3570
41	1969 Regional Report Surplus Deficit	2631	2053	2648	3012	4432	3859	7096	7252	4646	9566	8393	10484	9797	4597	5741
42	1970 Regional Report Surplus Deficit	2765	675	68.5	846	1258	123	2174	3035	2696	4731	267	7449	10797	2485	2917
43	1971 Regional Report Surplus Deficit	-235	-1121	-98.6	274	918	722	7444	9685	8400	9054	7651	10494	12051	7634	5398
44	1972 Regional Report Surplus Deficit	4919	3664	1576	1665	1776	2483	8354	8166	11666	11204	6522	10416	12347	7489	6580
45	1973 Regional Report Surplus Deficit	5084	4569	2514	1595	1488	2246	2193	521	-717	-1655	343	4384	3514	472	1877
46	1974 Regional Report Surplus Deficit	-840	-2136	-353	393	370	4287	10784	10408	9729	10019	8786	10051	11866	8148	6104
47	1975 Regional Report Surplus Deficit	4886	4354	2141	506	1191	1212	2313	3128	4029	3914	2818	8933	11962	8180	4303
48	1976 Regional Report Surplus Deficit	3677	2671	1184	3227	5024	8806	7133	6832	7093	9706	7965	10287	10133	6923	6553
49	1977 Regional Report Surplus Deficit	5068	5338	5431	1430	970	-1021	-2243	-1420	-957	-622	-16.9	1763	-1030	-474	621
50	1978 Regional Report Surplus Deficit	-1917	-2727	-1596	-695	-28.1	3208	2203	1978	2561	8961	4668	8809	6543	4770	2689
51	1979 Regional Report Surplus Deficit	984	-126	1734	1432	996	200	324	-722	2505	2657	2667	8665	4418	-455	1862
52	1980 Regional Report Surplus Deficit	-1632	-1901	-504	467	522	-968	-53.4	62.9	-315	5507	5401	10887	10138	1370	2105
53	1981 Regional Report Surplus Deficit	-261	-1475	-36.6	654	1032	5738	4832	4657	3083	908	2760	7263	11258	5007	3697
54	1982 Regional Report Surplus Deficit	2910	2796	972	756	1714	3007	5013	8061	9908	8157	5406	10193	11346	6335	5561

Regional Report Surplus Deficit By Water Year

Operating Year 2022

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	4129	3663	2977	2693	2140	3874	6554	5601	7928	7813	4289	9389	9642	6541	5610
56	1984 Regional Report Surplus Deficit	4056	3946	1239	1299	5541	3629	4982	4756	5095	9802	7245	8761	11975	5966	5472
57	1985 Regional Report Surplus Deficit	3667	1704	873	1424	2484	1487	714	563	1937	6787	5783	9341	6396	-1784	2701
58	1986 Regional Report Surplus Deficit	-2317	-2592	-582	2443	4030	1020	3740	4392	10920	8677	6875	7266	9517	2043	4162
59	1987 Regional Report Surplus Deficit	545	-964	-182	374	1246	1728	307	-519	2034	2230	2179	6705	5140	-94.8	1570
60	1988 Regional Report Surplus Deficit	-1847	-2545	-547	-25.5	-11.8	-1773	-2409	-3657	-893	1034	2229	4268	3095	1564	-63.1
61	1989 Regional Report Surplus Deficit	-620	-1779	-743	-29.4	8.12	809	-1536	-2736	1259	6946	7991	8003	6223	-83.5	1467
62	1990 Regional Report Surplus Deficit	-933	-1406	-291	216	2097	2294	3363	3735	4154	5285	8012	7606	9494	3253	3435
63	1991 Regional Report Surplus Deficit	1892	816	347	-245	4951	3752	4296	5625	4772	7109	3757	8270	9281	6264	4492
64	1992 Regional Report Surplus Deficit	3153	2933	219	-217	870	-475	-670	-536	890	723	413	3462	1620	-923	662
65	1993 Regional Report Surplus Deficit	-2112	-2707	-1244	70.5	-19.1	-750	-3478	-3982	558	2232	2368	7704	7501	1826	694
66	1994 Regional Report Surplus Deficit	607	-485	-328	15.1	760	-605	-2569	-2268	-1010	219	2059	6004	4952	798	590
67	1995 Regional Report Surplus Deficit	-1099	-2206	-470	-222	-407	282	-570	2711	5429	4046	1471	6171	10229	3226	2277
68	1996 Regional Report Surplus Deficit	586	-196	54.7	2472	7088	10202	10059	10362	10706	9310	9883	10006	10905	6583	7331
69	1997 Regional Report Surplus Deficit	3760	3156	58.9	738	1898	3757	9862	10142	11360	9515	9791	10580	12600	7641	6791
70	1998 Regional Report Surplus Deficit	4694	4029	3382	6022	4136	2995	2595	1916	2406	3999	3657	10661	11628	3930	4835
71	1999 Regional Report Surplus Deficit	2737	686	58.8	449	644	3118	7066	7146	8520	7292	6468	9416	12303	7375	5377
72	2000 Regional Report Surplus Deficit	4900	4619	1698	1112	5630	4863	3246	2773	3644	9051	8634	7010	7157	3462	4516
73	2001 Regional Report Surplus Deficit	1338	-1280	-462	474	452	-1206	-2564	-2120	-655	-452	864	2914	-1463	-568	-404
74	2002 Regional Report Surplus Deficit	-1874	-2595	-2298	-1028	-643	-8.82	-973	-877	-152	5154	6478	5850	10232	5778	1623
75	2003 Regional Report Surplus Deficit	1970	-144	25.1	-479	459	-1084	-1202	-1756	2677	4774	3103	5859	9004	-637	1479
76	2004 Regional Report Surplus Deficit	-2191	-2739	-848	646	388	1714	-691	-2401	1066	3355	2091	5895	6313	364	1074
77	2005 Regional Report Surplus Deficit	-1363	-1384	1263	942	1006	2098	1239	950	138	706	1375	6694	6811	479	1773
78	2006 Regional Report Surplus Deficit	-184	-1626	-191	278	280	876	3296	4915	3971	9814	8418	10796	10200	2137	3706
79	2007 Regional Report Surplus Deficit	27.3	-1051	-314	-663	2338	1396	3106	1028	6853	6671	4070	7383	6257	3182	2961
80	2008 Regional Report Surplus Deficit	-286	-1869	-1019	360	-29.1	376	-544	-680	561	3360	-260	9653	12264	4773	2193

Ranked Averages

81	**Bottom 10 pct**	**-515**	**-1573**	**-530**	**208**	**298**	**-1145**	**-2758**	**-2622**	**-1091**	**235**	**63.5**	**3946**	**2470**	**356**	**-136**
82	**Middle 80 pct**	**1316**	**410**	**398**	**1016**	**1601**	**1782**	**2205**	**2134**	**3262**	**5654**	**4447**	**8026**	**8879**	**3374**	**3215**
83	**Top 10 pct**	**2958**	**2074**	**612**	**1963**	**3569**	**6310**	**9091**	**8937**	**9213**	**9245**	**8687**	**10131**	**11053**	**6754**	**6578**

Regional Report Surplus Deficit By Water Year

Operating Year 2023

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
1	1929 Regional Report Surplus Deficit	880	483	-577	959	774	-1212	-2658	-2320	-1874	-559	591	2582	3592	-1304	-105
2	1930 Regional Report Surplus Deficit	-1329	-1565	-614	11.8	104	-1430	-3087	-1781	-1814	324	1964	2143	-784	777	-561
3	1931 Regional Report Surplus Deficit	-1269	-1779	-753	-108	267	-1533	-3882	-4349	-2247	692	-1719	3260	399	-437	-933
4	1932 Regional Report Surplus Deficit	-2340	-3230	-719	-324	-261	-890	-4627	-3959	2511	7369	7520	9032	9271	1893	1397
5	1933 Regional Report Surplus Deficit	994	692	-205	421	398	1551	1602	3152	2541	4776	2461	6528	10797	6569	3145
6	1934 Regional Report Surplus Deficit	2573	2972	179	2552	5795	8421	8944	7981	6203	9215	7028	7372	5041	1298	5376
7	1935 Regional Report Surplus Deficit	-1713	-1782	-1062	227	-36.4	1172	2007	2653	2720	2721	1693	5709	5000	3592	1867
8	1936 Regional Report Surplus Deficit	1772	-12.0	-788	-122	67.3	-1690	-3106	-3079	-1122	2015	5952	9273	7780	876	1093
9	1937 Regional Report Surplus Deficit	-886	-1903	-916	-226	150	-1442	-3160	-4067	-2018	240	-1594	3198	2156	-83.7	-690
10	1938 Regional Report Surplus Deficit	-468	-1715	-661	248	69.8	1819	1780	1387	2122	7086	8467	8590	7285	2595	2658
11	1939 Regional Report Surplus Deficit	-292	-1240	-454	561	228	-1086	-399	-645	-183	4148	3847	6892	1940	192	861
12	1940 Regional Report Surplus Deficit	-1811	-2191	-638	418	366	1172	-779	-1970	4273	4555	2627	4883	1936	-373	925
13	1941 Regional Report Surplus Deficit	-1938	-2552	-957	249	-472	426	-3079	-2124	-1576	221	-202	3266	1553	456	-365
14	1942 Regional Report Surplus Deficit	-1614	-2270	-1533	362	1207	1661	365	230	315	1665	3504	4390	5752	4178	1468
15	1943 Regional Report Surplus Deficit	532	-562	392	483	158	896	2701	3698	3727	10697	9667	8596	9963	3312	3656
16	1944 Regional Report Surplus Deficit	1094	640	112	-44.7	338	-1161	-2343	-1947	-1265	-889	1228	766	-912	-845	-516
17	1945 Regional Report Surplus Deficit	-1971	-2766	-1536	-195	-242	-2650	-3118	-2507	-1787	-628	-2305	6114	7481	-826	-255
18	1946 Regional Report Surplus Deficit	-315	-1108	-248	73.1	98.4	1743	1769	1445	2553	7781	8732	8664	8291	4156	3007
19	1947 Regional Report Surplus Deficit	2096	935	-112	163	1323	6100	4919	5549	5880	5910	4237	7524	8395	4034	4189
20	1948 Regional Report Surplus Deficit	1423	-492	-275	4871	4004	3095	5395	3171	2026	5431	7022	9753	10920	5537	4602
21	1949 Regional Report Surplus Deficit	3491	3865	1675	928	978	543	1575	72.8	4420	7323	7499	9254	8291	-97.0	3238
22	1950 Regional Report Surplus Deficit	-1229	-1991	-799	253	646	898	5599	5369	6104	9183	6752	8143	9712	5398	3956
23	1951 Regional Report Surplus Deficit	3929	3544	475	2656	5169	7059	7989	9383	7769	9357	8045	8424	7620	5590	6195
24	1952 Regional Report Surplus Deficit	2839	2568	558	4243	2800	3459	4211	4438	3054	8886	9194	10268	9366	2947	4752
25	1953 Regional Report Surplus Deficit	1029	-607	-562	-172	-212	-1329	1739	1647	1923	3686	2628	8043	10827	5212	2537
26	1954 Regional Report Surplus Deficit	691	285	163	626	1523	2758	4557	4643	4589	6594	4835	8176	8982	7554	4143
27	1955 Regional Report Surplus Deficit	4369	4749	4374	1114	2948	1507	-516	-713	-841	2435	1470	5403	10220	7319	3124
28	1956 Regional Report Surplus Deficit	3084	1859	-159	1745	4295	6457	8446	6762	6560	9092	9530	9561	11174	5946	6038
29	1957 Regional Report Surplus Deficit	3425	3023	264	1318	948	2926	1775	1341	2798	9237	4250	10527	10838	3182	3834
30	1958 Regional Report Surplus Deficit	1071	143	-546	389	629	220	2694	2128	3247	6237	5524	9688	9202	1961	3005
31	1959 Regional Report Surplus Deficit	-805	-558	-562	849	2288	4949	6929	6263	4602	7481	4766	7124	9559	4069	4276
32	1960 Regional Report Surplus Deficit	3543	3279	5148	6743	6045	4528	3508	2214	2494	11004	7090	6756	7707	3303	5078
33	1961 Regional Report Surplus Deficit	981	-224	-673	573	1229	945	3607	2846	4703	6658	2412	7615	9558	2862	3177
34	1962 Regional Report Surplus Deficit	809	-161	-522	74.6	557	-16.0	1685	1626	959	7504	8748	7736	8569	32.3	2415
35	1963 Regional Report Surplus Deficit	400	-682	-396	1203	2390	4308	2915	3358	2185	3038	2237	5987	6503	3297	2849
36	1964 Regional Report Surplus Deficit	690	-228	22.2	169	516	803	522	-329	-151	7294	2266	7282	10971	6893	2650
37	1965 Regional Report Surplus Deficit	3207	3446	1345	2045	2029	6630	9308	8654	7057	5086	8952	8901	7661	4306	5678
38	1966 Regional Report Surplus Deficit	3682	3805	-154	1144	1415	1355	1376	632	883	8154	4144	5132	5649	3486	2576
39	1967 Regional Report Surplus Deficit	1190	-260	-63.8	26.8	189	1794	5502	5512	5320	4220	-450	6804	10048	5395	3561
40	1968 Regional Report Surplus Deficit	2743	1446	18.6	1053	1713	1633	3775	3508	5339	2543	808	3575	8834	4278	3120
41	1969 Regional Report Surplus Deficit	2183	1860	2410	2758	4132	3592	6832	6990	4058	9344	8386	9546	8425	4130	5292
42	1970 Regional Report Surplus Deficit	2317	482	-170	592	959	-145	1910	2773	2109	4508	259	6510	9425	2017	2468
43	1971 Regional Report Surplus Deficit	-683	-1315	-337	20.4	618	454	7180	9422	7813	8831	7643	9555	10679	7165	4948
44	1972 Regional Report Surplus Deficit	4470	3470	1338	1411	1477	2215	8091	7904	11079	10981	6514	9477	10975	7021	6131
45	1973 Regional Report Surplus Deficit	4636	4375	2276	1341	1188	1979	1929	259	-1305	-1877	335	3444	2142	4.40	1428
46	1974 Regional Report Surplus Deficit	-1289	-2329	-591	139	70.6	4020	10520	10145	9141	9797	8779	9112	10494	7680	5655
47	1975 Regional Report Surplus Deficit	4438	4160	1903	252	892	944	2049	2865	3441	3692	2811	7993	10590	7711	3853
48	1976 Regional Report Surplus Deficit	3228	2477	946	2973	4725	8538	6870	6569	6505	9483	7957	9347	8760	6455	6104
49	1977 Regional Report Surplus Deficit	4620	5144	5193	1176	671	-1289	-2507	-1683	-1544	-844	-24.3	824	-2402	-942	172
50	1978 Regional Report Surplus Deficit	-2365	-2921	-1834	-949	-328	2941	1939	1716	1973	8739	4660	7871	5171	4302	2239
51	1979 Regional Report Surplus Deficit	536	-320	1496	1178	696	-67.8	59.9	-984	1918	2435	2659	7725	3046	-922	1412
52	1980 Regional Report Surplus Deficit	-2081	-2095	-742	213	222	-1235	-317	-200	-902	5285	5394	9948	8765	904	1655
53	1981 Regional Report Surplus Deficit	-709	-1669	-275	400	732	5470	4568	4395	2495	686	2753	6324	9886	4540	3247
54	1982 Regional Report Surplus Deficit	2462	2602	734	502	1415	2739	4749	7799	9321	7934	5398	9253	9974	5867	5111

Regional Report Surplus Deficit By Water Year

Operating Year 2023

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

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	Energy-aMW - Surplus Deficit	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul	Avg
55	1983 Regional Report Surplus Deficit	3681	3469	2739	2439	1840	3606	6290	5338	7340	7592	4281	8450	8269	6073	5161
56	1984 Regional Report Surplus Deficit	3607	3752	1001	1045	5242	3361	4718	4493	4507	9581	7237	7821	10603	5498	5022
57	1985 Regional Report Surplus Deficit	3218	1510	635	1170	2185	1219	450	300	1349	6565	5775	8401	5024	-2252	2251
58	1986 Regional Report Surplus Deficit	-2765	-2786	-820	2189	3731	752	3476	4130	10332	8454	6868	6326	8145	1576	3712
59	1987 Regional Report Surplus Deficit	96.6	-1157	-420	120	947	1460	43.2	-781	1447	2007	2171	5766	3768	-563	1121
60	1988 Regional Report Surplus Deficit	-2295	-2739	-785	-279	-311	-2040	-2673	-3920	-1481	811	2222	3329	1723	1097	-513
61	1989 Regional Report Surplus Deficit	-1069	-1973	-981	-283	-291	541	-1800	-2999	672	6724	7983	7064	4851	-551	1017
62	1990 Regional Report Surplus Deficit	-1381	-1600	-529	-38.4	1798	2026	3100	3472	3567	5062	8005	6667	8121	2785	2986
63	1991 Regional Report Surplus Deficit	1444	622	109	-499	4652	3484	4032	5363	4185	6886	3749	7331	7909	5797	4043
64	1992 Regional Report Surplus Deficit	2705	2739	-19.0	-471	571	-742	-934	-798	303	500	405	2522	248	-1391	212
65	1993 Regional Report Surplus Deficit	-2561	-2901	-1483	-184	-319	-1017	-3742	-4244	-29.9	2009	2360	6766	6129	1358	245
66	1994 Regional Report Surplus Deficit	159	-679	-566	-239	460	-873	-2833	-2530	-1598	-4.03	2052	5065	3580	330	140
67	1995 Regional Report Surplus Deficit	-1548	-2400	-708	-476	-706	14.4	-833	2448	4842	3823	1464	5232	8856	2760	1827
68	1996 Regional Report Surplus Deficit	138	-390	-183	2218	6788	9934	9795	10100	10118	9088	9875	9067	9534	6115	6882
69	1997 Regional Report Surplus Deficit	3312	2962	-179	484	1598	3489	9599	9879	10773	9292	9784	9641	11229	7174	6342
70	1998 Regional Report Surplus Deficit	4245	3835	3144	5768	3836	2728	2332	1653	1819	3776	3650	9723	10255	3462	4385
71	1999 Regional Report Surplus Deficit	2289	492	-179	195	344	2850	6803	6884	7932	7068	6461	8477	10932	6907	4928
72	2000 Regional Report Surplus Deficit	4452	4425	1460	858	5330	4596	2982	2511	3057	8829	8627	6071	5785	2994	4067
73	2001 Regional Report Surplus Deficit	889	-1473	-700	220	152	-1474	-2828	-2383	-1243	-675	856	1975	-2834	-1036	-854
74	2002 Regional Report Surplus Deficit	-2323	-2789	-2537	-1282	-943	-276	-1237	-1140	-739	4932	6471	4911	8860	5310	1173
75	2003 Regional Report Surplus Deficit	1522	-338	-213	-733	159	-1352	-1465	-2018	2090	4551	3095	4919	7631	-1103	1030
76	2004 Regional Report Surplus Deficit	-2639	-2933	-1086	392	88.1	1447	-955	-2663	478	3133	2084	4956	4941	-104	625
77	2005 Regional Report Surplus Deficit	-1811	-1578	1025	688	707	1831	975	687	-27.2	-411	1367	5756	5438	11.4	1322
78	2006 Regional Report Surplus Deficit	-632	-1820	-429	24.3	-19.3	608	3032	4653	3384	9591	8410	9858	8829	1669	3257
79	2007 Regional Report Surplus Deficit	-421	-1245	-552	-917	2039	1129	2842	766	6266	6449	4063	6444	4885	2714	2511
80	2008 Regional Report Surplus Deficit	-734	-2063	-1257	106	-329	108	-808	-943	-26.6	3138	-267	8714	10892	4305	1743

Ranked Averages

81	**Bottom 10 pct**	**-963**	**-1767**	**-768**	**-46.4**	**-1.74**	**-1413**	**-3021**	**-2885**	**-1679**	**12.1**	**56.1**	**3006**	**1098**	**-112**	**-586**
82	**Middle 80 pct**	**868**	**216**	**160**	**762**	**1302**	**1514**	**1941**	**1872**	**2716**	**5364**	**4439**	**7086**	**7507**	**2906**	**2766**
83	**Top 10 pct**	**2510**	**1880**	**374**	**1709**	**3269**	**6043**	**8827**	**8675**	**8625**	**9022**	**8680**	**9191**	**9681**	**6286**	**6128**

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