1 of 4

MASTER

December 1993

BONNEVILLE POWER ADMINISTRATION

TECHNICAL APPENDIX: VOLUME 2, BOOK 2

1993 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY

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Power Forecasting Branch

Loads and Resources Section

Customer Loads Section

Long-Term Forecasting Section

Economic Forecasting Section

BPA's Power Systems Branch

Hydro system regulation and data collection

Pacific Northwest Utilities Conference Committee

Load and resource data collection

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Public Agencies

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TABLE 1: PACIFIC NORTHWEST REGIONAL AREA

SUMMARY OF PACIFIC NORTHWEST REGIONAL LOADS AND RESOURCES
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

1	SYSTEM FIRM LOADS	1/	23718	23718	23447	26372	28653	30875	32013	30765	28838	27194	27194	25556	24501	24253
2	SYSTEM TOTAL LOADS	2/	24306	24306	24036	26967	29249	31469	32964	31721	29793	28147	28147	26511	25454	25198
3	EXPORTS	3/	3075	3075	3033	1946	1644	1664	1669	1640	1628	1607	1607	2049	3053	3108
4	FED DIVERSITY	4/	-1134	-1129	-1148	-1225	-1155	-871	-905	-859	-1155	-1052	-1051	-1161	-1144	-1138
5	FIRM LOADS		25659	25664	25332	27093	29142	31668	32777	31546	29311	27749	27750	26444	26410	26223
6	TOTAL LOADS		26247	26252	25921	27688	29738	32262	33729	32503	30266	28702	28703	27400	27363	27168

RESOURCES

7	REGULATED HYDRO	5/	30505	30994	31267	31352	31520	31548	31173	30843	30161	29132	29226	29336	30284	30989
8	INDEPENDENT HYDRO	6/	1817	1782	1748	1716	1718	1694	1694	1822	1865	1892	1934	1780	1780	1766
9	MAY WATER BUDGET	7/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	SUS. PKNG. ADJUSTMENT	8/	-3191	-3652	-5297	-4632	-2620	-2244	-1443	-2667	-2005	-2100	-2147	-1200	-6302	-5927
11	TOTAL HYDRO		29131	29124	27718	28436	30618	30998	31424	29998	30021	28924	29013	29916	25768	26828
12	SMALL THERMAL & MISC	9/	45	45	36	32	125	129	134	136	32	37	56	36	7	43
13	COMBUSTION TURBINES	10/	884	884	893	938	1653	1661	1666	1660	954	912	912	902	893	884
14	RENEWABLES	11/	49	49	49	49	49	49	49	49	49	49	49	49	2	49
15	COGENERATION	12/	65	65	65	65	65	45	65	65	65	65	65	65	65	45
16	IMPORTS	13/	2150	2150	1713	1918	2523	2849	2853	2877	2367	1605	1493	1903	2209	2276
17	CENTRALIA		1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	655	1310	1310
18	JIM BRIDGER		693	693	693	693	520	693	693	693	693	347	347	520	693	693
19	COLSTRIP 1 & 2		395	395	377	369	362	367	375	378	369	190	417	188	373	392
20	BOARDMAN		500	500	500	500	500	500	500	500	500	500	500	0	500	500
21	VALMY		242	242	242	242	242	242	242	242	242	242	242	242	242	242
22	COLSTRIP 3		560	560	548	543	538	541	547	549	543	550	0	548	546	559
23	WNP 2		1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	1150	1150
24	COLSTRIP 4		726	726	726	726	726	726	726	726	726	726	0	726	726	726
25	FED RESOURCE ACQUIS	14/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	NON-UTILITY GENERATION	15/	1190	1190	1115	1023	975	962	936	965	1003	1146	1152	700	1103	1257
27	TOTAL RESOURCES		39040	39033	37085	37944	41306	42172	42620	41248	39974	37703	35556	36450	35587	36954
28	HYD, SM THRM & MISC RES	16/	-1725	-1748	-1757	-1757	-1803	-1802	-1784	-1775	-1704	-1659	-1667	-1641	-1705	-1750
29	LARGE THERMAL RESERVES	17/	-1021	-1021	-958	-980	-936	-996	-1001	-1004	-1011	-891	-569	-666	-1040	-1022
30	BPA SPINNING RESERVES	18/	-350	-359	-317	-335	-393	-422	-449	-402	-402	-371	-362	-407	-338	-315
31	DSI RESERVES	19/	765	765	765	772	774	773	773	778	776	775	775	777	774	766
32	HYDRO MAINTENANCE	20/	-4603	-4040	-3787	-3208	-2935	-2037	-1561	-2287	-2629	-2751	-2483	-2360	-2202	-3721
33	NET RESOURCES		32106	32629	31031	32437	36014	37688	38597	36557	35005	32806	31250	32153	31077	30912
34	FIRM SURPLUS/DEFICIT		6447	6965	5699	5344	6872	6020	5820	5011	5693	5057	3500	5709	4667	4689
35	TOTAL SURPLUS/DEFICIT		5859	6376	5110	4749	6276	5426	4869	4054	4739	4103	2547	4754	3714	3744
36	EXTREME WEATHER ADJ.	21/	0	0	0	0	-3655	-3955	-4107	-3925	0	0	0	0	0	0
37	FIRM S/D W/EXT WEATHER ADJ.		6447	6965	5699	5344	3217	2065	1713	1086	5693	5057	3500	5709	4667	4689
38	TOTAL S/D W/EXT WTHR. ADJ.		5859	6376	5110	4749	2621	1471	762	129	4739	4103	2547	4754	3714	3744

TABLE 1: PACIFIC NORTHWEST REGIONAL AREA

SUMMARY OF PACIFIC NORTHWEST REGIONAL LOADS AND RESOURCES
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>															
LOADS															
1	SYSTEM FIRM LOADS	1/ 25010	25010	24764	27803	30078	32316	33728	32378	30307	28464	28464	26655	25508	25267
2	SYSTEM TOTAL LOADS	2/ 25898	25898	25652	28692	30969	33198	34613	33268	31195	29350	29350	27540	26390	26144
3	EXPORTS	3/ 2849	2849	2797	2070	1748	1769	1775	1746	1733	2375	2375	2467	3393	3448
4	FED DIVERSITY	4/ -970	-966	-983	-1082	-1055	-799	-852	-796	-1052	-925	-924	-988	-946	-934
5	FIRM LOADS	26889	26893	26578	28791	30771	33286	34651	33328	30988	29914	29915	28134	27955	27781
6	TOTAL LOADS	27777	27781	27466	29680	31662	34168	35536	34219	31877	30800	30800	29018	28837	28658
<hr/>															
RESOURCES															
7	REGULATED HYDRO	5/ 30706	31021	31306	31400	31571	31607	31082	30444	29598	28648	29383	29617	30475	31049
8	INDEPENDENT HYDRO	6/ 1825	1790	1770	1745	1752	1739	1738	1861	1898	1916	1957	1802	1811	1773
9	MAY WATER BUDGET	7/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	SUS. PKNG. ADJUSTMENT	8/ -4216	-3948	-5874	-5087	-3092	-2102	-1363	-2257	-1473	-1642	-2205	-1200	-4160	-5291
11	TOTAL HYDRO	28315	28863	27202	28058	30231	31244	31457	30048	30023	28922	29135	30219	28126	27531
12	SMALL THERMAL & MISC	9/ 44	44	43	46	148	160	164	162	62	62	85	60	21	58
13	COMBUSTION TURBINES	10/ 1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191
14	RENEWABLES	11/ 51	51	51	51	51	51	51	51	51	51	51	51	4	51
15	COGENERATION	12/ 343	343	332	332	332	312	332	332	332	103	103	343	343	323
16	IMPORTS	13/ 1698	1698	1166	1221	1827	2448	2441	2481	1755	1310	1310	1710	1901	1836
17	CENTRALIA	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	655	655	1310
18	JIM BRIDGER	693	693	693	693	520	693	693	693	693	347	347	520	693	693
19	COLSTRIP 1 & 2	394	394	392	397	395	412	418	417	398	200	433	198	392	392
20	BOARDMAN	500	500	500	500	500	500	500	500	500	500	500	0	500	500
21	VALMY	242	242	242	242	242	242	242	242	242	121	121	242	242	242
22	COLSTRIP 3	560	560	558	562	560	572	576	575	563	563	0	561	559	559
23	WNP 2	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
24	COLSTRIP 4	725	725	726	726	726	726	726	726	726	726	0	726	726	726
25	FED RESOURCE ACQUIS	14/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	NON-UTILITY GENERATION	15/ 1245	1245	1159	1078	1036	1027	1015	1046	1077	1213	1224	763	1166	1293
27	TOTAL RESOURCES	38466	39014	36722	37598	40962	42783	43012	41669	40118	37381	35417	36843	37676	37860
28	HYD, SM THRM & MISC RES	16/ -1768	-1782	-1790	-1792	-1839	-1839	-1814	-1789	-1710	-1638	-1678	-1669	-1749	-1785
29	LARGE THERMAL RESERVES	17/ -994	-994	-922	-924	-881	-980	-984	-990	-961	-852	-520	-638	-916	-991
30	BPA SPINNING RESERVES	18/ -331	-354	-305	-326	-383	-427	-449	-404	-403	-373	-364	-411	-394	-332
31	DSI RESERVES	19/ 709	709	710	710	712	704	707	712	710	707	707	706	703	699
32	HYDRO MAINTENANCE	20/ -4603	-4040	-3767	-3208	-2935	-2037	-1561	-2289	-2631	-2751	-2483	-2360	-2202	-3721
33	NET RESOURCES	31479	32553	30628	32059	35636	38204	38910	36909	35124	32475	31080	32471	33118	31730
34	FIRM SURPLUS/DEFICIT	4591	5660	4050	3268	4864	4918	4259	3580	4135	2561	1165	4337	5163	3949
35	TOTAL SURPLUS/DEFICIT	3703	4772	3161	2379	3974	4036	3374	2690	3247	1676	279	3453	4281	3071
36	EXTREME WEATHER ADJ.	21/ 0	0	0	0	-3878	-4178	-4373	-4174	0	0	0	0	0	0
37	FIRM S/D W/EXT WEATHER ADJ.	4591	5660	4050	3268	986	740	-114	-594	4135	2561	1165	4337	5163	3949
38	TOTAL S/D W/EXT WTHR. ADJ.	3703	4772	3161	2379	96	-142	-999	-1484	3247	1676	279	3453	4281	3071

TABLE 1: PACIFIC NORTHWEST REGIONAL AREA

SUMMARY OF PACIFIC NORTHWEST REGIONAL LOADS AND RESOURCES
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	SYSTEM FIRM LOADS	1/ 25988	25988	25753	29023	31547	34042	35333	33881	31727	29784	29784	27867	26657	26393
2	SYSTEM TOTAL LOADS	2/ 26802	26802	26568	29839	32365	34852	36144	34698	32543	30598	30598	28680	27469	27201
3	EXPORTS	3/ 3776	3776	3722	3023	2958	2954	2889	2863	2859	2865	2865	2951	3689	3737
4	FED DIVERSITY	4/ -926	-922	-936	-1014	-1057	-811	-860	-799	-1017	-934	-932	-995	-938	-929
5	FIRM LOADS	28838	28842	28539	31032	33448	36185	37362	35945	33569	31715	31717	29823	29408	29201
6	TOTAL LOADS	29652	29656	29354	31848	34266	36995	38174	36762	34384	32529	32531	30637	30220	30009

RESOURCES

7	REGULATED HYDRO	5/ 30722	31037	31326	31420	31589	31626	31100	30464	29617	28669	29406	29638	30495	31068
8	INDEPENDENT HYDRO	6/ 1843	1808	1794	1764	1773	1761	1761	1882	1920	1941	1983	1828	1837	1797
9	MAY WATER BUDGET	7/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	SUS. PKNG. ADJUSTMENT	8/ -4216	-3948	-5874	-5087	-3092	-2102	-1363	-2257	-1473	-1642	-2205	-1200	-4160	-5291
11	TOTAL HYDRO	28349	28897	27246	28097	30270	31285	31498	30089	30064	28968	29184	30266	28172	27574
12	SMALL THERMAL & MISC	9/ 72	72	56	59	165	177	181	181	80	82	106	80	26	75
13	COMBUSTION TURBINES	10/ 1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191
14	RENEWABLES	11/ 52	52	52	52	52	52	52	52	52	52	52	52	5	52
15	COGENERATION	12/ 343	343	332	332	332	312	332	332	332	103	103	343	343	323
16	IMPORTS	13/ 1603	1603	1178	1382	2330	2304	2284	2327	1819	1184	1184	1601	1810	1745
17	CENTRALIA	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	655	1310	1310
18	JIM BRIDGER	693	693	693	693	520	693	693	693	693	347	347	520	693	693
19	COLSTRIP 1 & 2	414	414	417	423	420	438	444	443	425	214	464	213	420	418
20	BOARDMAN	500	500	500	500	500	500	500	500	500	500	500	0	500	500
21	VALMY	242	242	242	242	242	242	242	242	242	121	121	242	242	242
22	COLSTRIP 3	574	574	576	580	578	590	594	594	581	583	0	581	577	576
23	WNP 2	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
24	COLSTRIP 4	726	726	726	726	725	726	726	726	726	726	0	726	726	726
25	FED RESOURCE ACQUIS	14/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	NON-UTILITY GENERATION	15/ 1192	1192	1108	1027	985	976	964	995	1026	1163	1175	737	1140	1238
27	TOTAL RESOURCES	38416	38964	36784	37805	41513	42691	42907	41570	40236	37306	35344	36811	38312	37818
28	HYD, SM THRM & MISC RES	16/ -1769	-1783	-1791	-1792	-1839	-1839	-1814	-1790	-1711	-1638	-1679	-1671	-1750	-1785
29	LARGE THERMAL RESERVES	17/ -979	-979	-924	-949	-957	-966	-969	-974	-979	-837	-504	-623	-1000	-976
30	BPA SPINNING RESERVES	18/ -331	-354	-305	-326	-383	-427	-449	-404	-403	-373	-364	-411	-394	-332
31	DSI RESERVES	19/ 636	636	636	638	639	631	632	638	637	635	635	635	633	629
32	HYDRO MAINTENANCE	20/ -4605	-4042	-3787	-3208	-2935	-2037	-1561	-2289	-2633	-2751	-2483	-2360	-2202	-3721
33	NET RESOURCES	31368	32441	30614	32168	36038	38053	38746	36750	35148	32343	30950	32381	33599	31633
34	FIRM SURPLUS/DEFICIT	2530	3599	2075	1136	2591	1869	1383	805	1579	629	-768	2558	4190	2432
35	TOTAL SURPLUS/DEFICIT	1715	2785	1260	320	1772	1058	572	-11	764	-186	-1582	1744	3379	1624
36	EXTREME WEATHER ADJ.	21/ 0	0	0	0	-4110	-4447	-4622	-4407	0	0	0	0	0	0
37	FIRM S/D W/EXT WEATHER ADJ.	2530	3599	2075	1136	-1519	-2578	-3239	-3602	1579	629	-768	2558	4190	2432
38	TOTAL S/D W/EXT WTHR. ADJ.	1715	2785	1260	320	-2338	-3389	-4050	-4418	764	-186	-1582	1744	3379	1624

REGIONAL FOOTNOTES

Regional Table 1

1. Firm loads for the region include the sum of the estimated firm loads of Federal agencies, public agencies, Direct Service Industries (DSIs), Investor-Owned Utilities (IOUs), and associated transmission losses. Peak loads represent non-coincidental capacity demands adjusted to account for Federal system diversity; they are based on the prediction of normal weather and have a 50-percent chance of being exceeded.
2. Total loads for the region include system firm loads, plus BPA's nonfirm loads, which include industrial top-quartile loads, associated transmission losses, and Utah Power Company's interruptible load.
3. Exports from the region by Northwest utilities include BPA's surplus firm power sales to the cities of Burbank, Glendale, Pasadena, Sacramento Municipal Utility District, San Diego Gas and Electric, and Southern California Edison; BPA's surplus firm power sale to M-S-R Power agency, which converts to a capacity sale on November 1, 2009; BPA's capacity contracts with the cities of Anaheim and Riverside; BPA's contract with BC Hydro for Canadian Entitlement beginning April 1, 1998; BPA's Northwest-Southwest Intertie losses; Idaho Power Company's power sales to Sierra Pacific, the cities of Azusa, Banning, and Colton in California, the city of Washington in Utah, and Utah Associated Municipal Power Systems (UAMPS); Montana Power Company's power sales to the Los Angeles Department of Water and Power; Pacific Power and Light's transfer to its Northern California load, power sales to California Department of Water Resources, Pacific Gas and Electric, Southern California Edison, Sacramento Municipal Utility District, and the Western Area Power Administration (WAPA); Portland General Electric's power sales to the cities of Burbank and Glendale, Southern California Edison, and WAPA, and seasonal power exchange deliveries to Southern California Edison; Puget Sound Power and Light's seasonal power exchange deliveries to Pacific Gas and Electric; Washington Water Power's seasonal power exchange deliveries to Pacific Gas and Electric; the City of Idaho Falls' contract with Utah Power Company for Gem State Hydro; Seattle City Light's seasonal power exchange deliveries to Northern California Public Agencies; Snohomish County Public Utility District's seasonal power exchange with Sacramento Municipal Utility District, and Tacoma Public Utilities' power sale to WAPA.

Also included in exports are resources purchased by utilities outside the region. These include WAPA's purchase of the output of Longview Fibre, 14.2 percent of the Boardman coal plant sold to San Diego Gas and Electric, and 10 percent of the Boardman coal plant sold to the City of Turlock, CA.

4. Federal diversity is a percentage reduction applied to the Federal system non-coincidental peak utility allocation requirements. This is because all peaking electrical loads do not occur simultaneously throughout the region.
5. Regulated hydro includes those hydro dams where the firm energy generation of the dam is affected by the release of stored water from upstream reservoirs. Regulated hydro generation is determined by completing a hydro regulation study of the Pacific Northwest hydro system.
6. Independent hydro includes those hydro dams where no reservoirs exist upstream to release stored water and the firm energy is based on fixed historical flows. Hydro independents are not changed as a part of the hydro regulation study.
7. May Water Budget is the energy loss due to the overgeneration which may be unusable as a firm resource on the Federal system. This is a new adjustment due to the use of a 42-month critical period average hydro number rather than the 39-month critical period average hydro number used in last year's study.
8. Sustained peaking adjustment is a percentage reduction applied to the Federal hydro system to meet a capacity load of 50 hours per week. This adjustment also includes reductions for Federal hydro maintenance, spinning reserves, forced outage reserves, and summer flow augmentation on the Lower Snake River and John Day hydro projects.
9. Small thermal and miscellaneous resources include City of Idaho Falls' Diesel; Tacoma Public Utilities' Steam Plant No. 2; Idaho Power Company's Energy Management System; Portland General Electric's Summit units; Puget Sound Power and Light's Crystal Mountain and Shuffleton; Montana Power Company's portion of Corette and Bird in the region; and Seattle City Light's Boundary.
10. Combustion turbines include Idaho Power Company's Wood River; Portland General Electric's Bethel and Beaver; Puget Sound Power and Light's Whidbey Island, Whitehorn, Fredrickson, and Fredonia units; and Washington Water Power's Northeast units and Rathdrum units.
11. Renewables include Emerald County PUD's Short Mountain; and Washington Water Power's Kettle Falls.
12. Cogeneration includes Eugene Water and Electric Board's WEYCO Energy Center; Snohomish County PUD's Scott Paper; and Portland General Electric's Coyote Springs. Longview Fibre output is sold outside the region to WAPA.
13. Imports include exchange energy to BPA from the cities of Anaheim and Riverside; exchange energy from the M-S-R Public Power Agency after their surplus firm sale converts to a capacity/energy exchange beginning November 1, 2009; deferred energy returns from Sacramento Municipal Utility District and San Diego Gas and Electric; exchange energy returned from San Diego Gas and Electric; power from Pacific Power and Light's Wyoming Division to serve BPA's Southern Idaho load; Power purchases from Basin Electric Cooperative and Powerex (TransAlta); Pacific Power and Light transfers from their Wyoming division and seasonal power exchange deliveries to Portland General Electric from Southern California Edison; power sale

deliveries to Puget Sound Power and Light from BC Hydro, and seasonal power exchange deliveries from Pacific Gas & Electric; Utah Power Company's intra-company transfer; seasonal power exchange deliveries to Washington Water Power from Pacific Gas and Electric; and power deliveries to Seattle City Light from BC Hydro for Ross replacement, and seasonal power exchange deliveries from Northern California Public Agencies.

14. Resource acquisitions are resources BPA has identified and contracted for future purchase. When new Federal resource acquisitions are contracted for and/or on-line, they will be included in the loads and resources balance.
15. Non-utility generation (NUG) resources include generation provided to utilities by independent power producers and resources included under the Public Utility Regulatory Policies Act (PURPA). This study included 180 Individual NUGs.
16. Hydro, small thermal and miscellaneous resources, and combustion turbine reserve requirements are estimated at 5 percent of the capacity of these resources for all utilities in the region.
17. Large thermal reserves requirements are estimated at 15 percent of the total capacity of the Pacific Power and Light thermal import into the region plus the large thermal resources owned by utilities in the region.
18. Federal spinning reserves equal the reserve generating capacity maintained to provide a regulating margin for the automatic generation and frequency control of power generation.
19. Direct service industry reserve requirements are estimated at one-third of the industrial firm load, or the sum of the reserve requirements for Federal hydro, small thermal and miscellaneous resources, combustion turbines, and large thermal, whichever is smaller.
20. Hydro maintenance is the sum of individual Federal system, public agency, and IOU hydro project maintenance, based on the average of the 1983-84 through 1988-89 schedules submitted to the Northwest Power Pool.
21. Extreme weather adjustment is the sum of all utility load responses with Pacific Northwest cold weather, and has a 5 percent chance of being exceeded.

TABLE 2: FEDERAL SYSTEM

SHEET 1 OF 2

SUMMARY OF FEDERAL SYSTEM LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS															
1	FEDERAL AGENCIES	201	201	192	201	205	234	220	226	215	204	204	194	196	197
2	FEDERAL & GEN PUBLIC LOSSES	206	206	218	267	338	381	419	382	345	298	298	268	220	208
3	USBR	198	198	156	75	7	4	4	3	9	99	99	169	197	204
4	DSI ALUMINUM FIRM	2064	2064	2064	2064	2064	2064	2042	2042	2042	2042	2042	2042	2042	2028
5	DSI NON-ALUM FIRM	167	167	167	183	182	174	191	208	208	208	208	216	216	207
6	DSI FIRM LOSSES	65	65	67	72	79	83	87	85	81	77	77	75	67	65
7	SM & NON GEN PUB PURCH	1/ 4232	4232	4223	4776	5318	5800	6124	5571	5394	5058	5058	4807	4328	4416
8	FIRM SYSTEM LOAD	7133	7133	7087	7638	8193	8740	9087	8517	8294	7986	7986	7771	7266	7325
TRANSFERS OUT															
9	EXPORTS	2/ 1095	1095	1095	734	431	431	431	431	431	431	431	837	1095	1095
10	CONTRACTS OUT	3/ 2038	2038	2067	2433	2821	2875	2849	2805	2606	2231	2231	1977	1995	2010
11	CSPE TO WEST GROUP UTIL	4/ 666	666	666	666	666	666	666	666	666	576	576	576	576	576
12	GEN PUBLIC AGEN PURCH	5/ 1234	1192	1314	1717	2053	2339	2495	2470	2172	2003	1995	1702	1339	1197
13	GEN PRIVATE UTIL PURCH	6/ 150	150	150	150	150	150	150	150	150	150	150	150	150	150
14	FED DIVERSITY	7/ -1134	-1129	-1148	-1225	-1155	-871	-905	-859	-1155	-1052	-1051	-1161	-1144	-1138
15	FIRM LOADS	11181	11145	11231	12113	13158	14330	14773	14179	13164	12325	12317	11852	11276	11214
16	DSI ALUM TOP QUARTILE	8/ 343	343	343	343	343	343	681	681	681	681	681	681	681	676
17	DSI NON-ALUMINUM TQ	8/ 56	56	56	61	61	58	64	69	69	69	69	72	72	69
18	TOP QUARTILE LOSSES	8/ 12	12	12	13	14	15	29	29	27	26	26	25	23	22
19	TOTAL LOADS	11592	11555	11642	12530	13576	14746	15546	14958	13941	13100	13093	12629	12051	11981
RESOURCES															
20	REGULATED HYDRO	20151	20515	20539	20588	20938	20892	20743	20533	19844	18787	18682	19019	19662	20342
21	INDEPENDENT HYDRO	687	681	684	694	674	636	633	760	766	793	791	690	683	670
22	MAY WATER BUDGET	9/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	SUS. PKNG. ADJUSTMENT	10/ -3191	-3652	-5297	-4632	-2620	-2244	-1443	-2667	-2005	-2100	-2147	-1200	-6302	-5927
24	CAN. ENT. NON-FED(CSPE)	11/ 162	162	162	162	162	162	162	162	162	138	138	138	138	138
25	CAN. ENT. NON-FED(CNDA)	12/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	RESTORATION	13/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	TOTAL HYDRO	17809	17706	16088	16812	19154	19446	20095	18788	18767	17618	17464	18647	14181	15223
28	SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	IMPORTS	14/ 258	258	287	353	406	460	434	390	362	201	89	0	138	279
33	CONTRACTS IN	15/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	LARGE THERMAL	16/ 1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	1150	1150
35	RESOURCE ACQUISITIONS	17/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	TOTAL RESOURCES	19167	19064	17475	18265	20660	21006	21629	20278	20229	18919	17553	18647	15469	16652

TABLE 2: FEDERAL SYSTEM (CONTINUED)

SUMMARY OF FEDERAL SYSTEM LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
37 HYD, SM THRM & MISC RES	18/	-1042	-1060	-1061	-1064	-1081	-1076	-1069	-1065	-1031	-979	-974	-985	-1017	-1051
38 LARGE THERMAL RESERVES	19/	-165	-165	-165	-165	-165	-165	-165	-165	-165	-165	0	0	-172	-172
39 SPINNING RESERVES	20/	-350	-359	-317	-335	-393	-422	-449	-402	-402	-371	-362	-407	-338	-315
40 DSI RESERVES	21/	765	765	755	772	774	773	773	778	776	775	775	777	774	766
41 FEDERAL HYDRO MAINT	22/	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
42 NET RESOURCES		15112	15483	13928	14722	17090	18250	19311	17540	17493	16117	15187	16276	13081	13095
43 FIRM SURPLUS/DEFICIT		3930	4339	2696	2609	3932	3920	4539	3361	4329	3793	2869	4424	1805	1881
44 TOTAL SURPLUS/DEFICIT		3520	3928	2285	2192	3514	3504	3765	2582	3552	3017	2094	3646	1030	1114
45 EXTREME WEATHER ADJ.	23/	0	0	0	0	-4	-5	-4	-5	0	0	0	0	0	0
46 FIRM S/D W/EXT WEATHER ADJ.		3930	4339	2696	2609	3928	3915	4535	3356	4329	3793	2869	4424	1805	1881
47 TOTAL S/D W/EXT WTHR. ADJ.		3520	3928	2285	2192	3510	3499	3761	2577	3552	3017	2094	3646	1030	1114
48 POSS FED EXT WTHR. OBLG	24/	0	0	0	0	-1488	-1675	-1748	-1565	0	0	0	0	0	0
49 FIRM S/D W/EXT WTHR. OBLIG		3930	4339	2696	2609	2440	2239	2787	1791	4329	3793	2869	4424	1805	1881
50 TOTAL S/D W/EXT WTHR. OBLIG		3520	3928	2285	2192	2022	1823	2013	1013	3552	3017	2094	3646	1030	1114

- NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.
2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.
3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
- A. BGP TO BPA, SUPPLEMENTAL ENERGY
 - B. SCE TO BPA, SUPPLEMENTAL ENERGY
 - C. SCE TO BPA, OPTION ENERGY

TABLE 2: FEDERAL SYSTEM

SHEET 1 OF 2

SUMMARY OF FEDERAL SYSTEM LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS															
1	FEDERAL AGENCIES	206	206	196	207	211	241	225	233	221	209	209	199	201	202
2	FEDERAL & GEN PUBLIC LOSSES	203	203	214	264	344	387	430	391	350	293	293	259	208	198
3	USBR	199	199	157	76	7	4	4	3	9	99	99	169	197	204
4	DSI ALUMINUM FIRM	1837	1837	1837	1837	1837	1837	1836	1836	1836	1834	1834	1834	1834	1833
5	DSI NON-ALUM FIRM	233	233	232	230	228	200	207	223	222	220	220	218	217	207
6	DSI FIRM LOSSES	60	60	62	66	72	76	79	78	74	70	70	68	61	59
7	SM & NON GEN PUB PURCH	1/ 4614	4614	4643	5225	5735	6199	6670	6050	5853	5465	5465	5180	4658	4753
8	FIRM SYSTEM LOAD	7352	7352	7341	7905	8434	8944	9451	8814	8565	8190	8190	7927	7376	7456
TRANSFERS OUT															
9	EXPORTS	2/ 912	912	912	912	608	608	608	608	608	1250	1250	1297	1554	1554
10	CONTRACTS OUT	3/ 409	409	438	804	1356	1410	1383	1340	1059	631	631	296	314	329
11	CSPE TO WEST GROUP UTIL	4/ 416	416	416	416	416	416	416	416	416	200	200	200	200	200
12	GEN PUBLIC AGEN PURCH	5/ 1466	1433	1503	1954	2335	2618	2904	2786	2466	2303	2296	1951	1543	1353
13	GEN PRIVATE UTIL PURCH	6/ 150	150	150	150	150	150	150	150	150	150	150	150	150	150
14	FED DIVERSITY	7/ -970	-966	-983	-1082	-1055	-799	-852	-796	-1052	-925	-924	-988	-946	-934
15	FIRM LOADS	9735	9706	9778	11058	12244	13347	14060	13319	12213	11799	11792	10833	10191	10108
16	DSI ALUM TOP QUARTILE	8/ 612	612	612	612	612	612	612	612	612	611	611	611	611	611
17	DSI NON-ALUMINUM TQ	8/ 78	78	77	77	76	67	69	74	74	73	73	73	72	69
18	TOP QUARTILE LOSSES	8/ 20	20	21	22	24	25	27	26	25	23	23	23	21	20
19	TOTAL LOADS	10445	10416	10488	11770	12957	14051	14767	14031	12923	12507	12500	11539	10895	10807
RESOURCES															
20	REGULATED HYDRO	20343	20531	20549	20592	20942	20894	20595	20082	19234	18271	18796	19263	19818	20381
21	INDEPENDENT HYDRO	687	681	684	694	674	636	633	760	766	793	791	690	683	670
22	MAY WATER BUDGET	9/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	SUS. PKNG. ADJUSTMENT	10/ -4216	-3948	-5874	-5087	-3092	-2102	-1363	-2257	-1473	-1642	-2205	-1200	-4160	-5291
24	CAN. ENT. NON-FED(CSPE)	11/ 96	96	96	96	96	96	96	96	96	46	46	46	46	46
25	CAN. ENT. NON-FED(CNDA)	12/ 32	32	32	32	32	32	32	32	32	193	193	193	193	193
26	RESTORATION	13/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	TOTAL HYDRO	16942	17392	15487	16327	18652	19556	19993	18713	18655	17661	17621	18992	16580	15999
28	SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	IMPORTS	14/ 13	13	42	108	161	215	189	145	117	89	89	0	18	34
33	CONTRACTS IN	15/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	LARGE THERMAL	16/ 1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
35	RESOURCE ACQUISITIONS	17/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	TOTAL RESOURCES	18110	18560	16684	17590	19968	20926	21337	20013	19927	18905	17710	18992	17753	17188

TABLE 2: FEDERAL SYSTEM (CONTINUED)

SUMMARY OF FEDERAL SYSTEM LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
37 HYD, SM THRM & MISC RES	18/	-1052	-1061	-1062	-1064	-1081	-1076	-1061	-1042	-1000	-953	-979	-997	-1025	-1053
38 LARGE THERMAL RESERVES	19/	-173	-173	-173	-173	-173	-173	-173	-173	-173	-173	0	0	-173	-173
39 SPINNING RESERVES	20/	-331	-354	-305	-326	-383	-427	-449	-404	-403	-373	-364	-411	-394	-332
40 DSI RESERVES	21/	709	709	710	710	712	704	707	712	710	707	707	706	703	699
41 FEDERAL HYDRO MAINT	22/	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
42 NET RESOURCES		14000	14921	13084	13986	16337	18087	18953	17222	17147	16053	15270	16533	15229	13544
43 FIRM SURPLUS/DEFICIT		4265	5215	3307	2928	4093	4741	4893	3903	4934	4254	3477	5701	5037	3437
44 TOTAL SURPLUS/DEFICIT		3555	4505	2596	2217	3380	4037	4185	3191	4224	3546	2769	4994	4333	2737
45 EXTREME WEATHER ADJ.	23/	0	0	0	0	-4	-5	-5	-5	0	0	0	0	0	0
46 FIRM S/D W/EXT WEATHER ADJ.		4265	5215	3307	2928	4089	4736	4888	3898	4934	4254	3477	5701	5037	3437
47 TOTAL S/D W/EXT WTHR. ADJ.		3555	4505	2596	2217	3376	4032	4180	3186	4224	3546	2769	4994	4333	2737
48 POSS FED EXT WTHR. OBLG	24/	0	0	0	0	-1670	-1790	-1873	-1740	0	0	0	0	0	0
49 FIRM S/D W/EXT WTHR. OBLIG		4265	5215	3307	2928	2419	2946	3014	2159	4934	4254	3477	5701	5037	3437
50 TOTAL S/D W/EXT WTHR. OBLIG		3555	4505	2596	2217	1706	2241	2307	1446	4224	3546	2769	4994	4333	2737

- NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.
2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.
3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
- A. BGP TO BPA, SUPPLEMENTAL ENERGY
 - B. SCE TO BPA, SUPPLEMENTAL ENERGY
 - C. SCE TO BPA, OPTION ENERGY

TABLE 2: FEDERAL SYSTEM

SHEET 1 OF 2

SUMMARY OF FEDERAL SYSTEM LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS															
1 FEDERAL AGENCIES		212	212	202	212	217	249	232	240	228	215	215	205	206	207
2 FEDERAL & GEN PUBLIC LOSSES		200	200	210	256	349	395	439	398	346	303	303	266	213	204
3 USBR		200	200	157	76	7	4	4	3	9	100	100	170	198	205
4 DSI ALUMINUM FIRM		1671	1671	1671	1671	1671	1671	1662	1662	1662	1661	1661	1662	1661	1660
5 DSI NON-ALUM FIRM		184	184	184	184	184	157	166	184	184	184	184	184	184	176
6 DSI FIRM LOSSES		54	54	56	60	65	68	71	70	67	63	63	61	56	53
7 SM & NON GEN PUB PURCH	1/	4883	4883	4915	5552	6161	6695	7123	6462	6255	5803	5804	5501	4954	5035
8 FIRM SYSTEM LOAD		7404	7404	7395	8011	8654	9239	9697	9019	8751	8329	8330	8049	7472	7540
TRANSFERS OUT															
9 EXPORTS	2/	1928	1928	1928	1928	1882	1882	1882	1882	1882	1882	1882	1929	1929	1929
10 CONTRACTS OUT	3/	117	117	146	212	1056	1111	1084	1041	467	439	439	104	122	138
11 CSPE TO WEST GROUP UTIL	4/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GEN PUBLIC AGEN PURCH	5/	1711	1680	1729	2221	2788	3138	3401	3275	2878	2582	2555	2213	1719	1562
13 GEN PRIVATE UTIL PURCH	6/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 FED DIVERSITY	7/	-926	-922	-936	-1014	-1057	-811	-860	-799	-1017	-934	-932	-995	-938	-929
15 FIRM LOADS		10234	10207	10262	11358	13323	14559	15205	14418	12960	12298	12275	11300	10305	10240
16 DSI ALUM TOP QUARTILE	8/	557	557	557	557	557	557	554	554	554	554	554	554	554	553
17 DSI NON-ALUMINUM TQ	8/	61	61	61	61	61	53	55	61	61	61	61	61	61	59
18 TOP QUARTILE LOSSES	8/	18	18	19	20	22	23	24	23	22	21	21	20	19	18
19 TOTAL LOADS		10871	10844	10899	11996	13963	15191	15838	15057	13598	12934	12911	11936	10938	10869
RESOURCES															
20 REGULATED HYDRO		20343	20531	20549	20592	20942	20894	20595	20082	19234	18271	18796	19263	19818	20381
21 INDEPENDENT HYDRO		687	681	684	694	674	636	633	760	766	793	791	690	683	670
22 MAY WATER BUDGET	9/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 SUS. PKNG. ADJUSTMENT	10/	-4216	-3948	-5874	-5087	-3092	-2102	-1363	-2257	-1473	-1642	-2205	-1200	-4160	-5291
24 CAN. ENT. NON-FED(CSPE)	11/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 CAN. ENT. NON-FED(CNDA)	12/	352	352	352	352	352	352	352	352	352	352	352	352	352	352
26 RESTORATION	13/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 TOTAL HYDRO		17166	17616	15711	16551	18876	19780	20217	18937	18879	17774	17734	19105	16693	16112
28 SMALL THERMAL & MISC		0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 COMBUSTION TURBINES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 RENEWABLES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 COGENERATION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 IMPORTS	14/	13	13	42	108	161	215	189	145	117	89	89	0	18	34
33 CONTRACTS IN	15/	300	300	300	300	0	0	0	0	0	0	0	0	0	300
34 LARGE THERMAL	16/	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
35 RESOURCE ACQUISITIONS	17/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 TOTAL RESOURCES		18634	19084	17208	18114	20192	21150	21561	20237	20151	19018	17823	19105	17866	17601

TABLE 2: FEDERAL SYSTEM (CONTINUED)

SUMMARY OF FEDERAL SYSTEM LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
37 HYD, SM THRM & MISC RES	18/	-1052	-1061	-1062	-1064	-1081	-1076	-1061	-1042	-1000	-953	-979	-998	-1025	-1053
38 LARGE THERMAL RESERVES	19/	-173	-173	-173	-173	-173	-173	-173	-173	-173	-173	0	0	-173	-173
39 SPINNING RESERVES	20/	-331	-354	-305	-326	-383	-427	-449	-404	-403	-373	-364	-411	-394	-332
40 DSI RESERVES	21/	636	636	636	638	639	631	632	638	637	635	635	635	633	629
41 FEDERAL HYDRO MAINT	22/	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
42 NET RESOURCES		14450	15371	13535	14438	16489	18239	19102	17373	17298	16094	15311	16575	15272	13887
43 FIRM SURPLUS/DEFICIT		4216	5163	3274	3080	3166	3680	3898	2955	4338	3796	3036	5274	4967	3647
44 TOTAL SURPLUS/DEFICIT		3580	4527	2636	2442	2526	3048	3264	2316	3700	3160	2400	4639	4333	3018
45 EXTREME WEATHER ADJ.	23/	0	0	0	0	-4	-5	-5	-5	0	0	0	0	0	0
46 FIRM S/D W/EXT WEATHER ADJ.		4216	5163	3274	3080	3162	3675	3893	2950	4338	3796	3036	5274	4967	3647
47 TOTAL S/D W/EXT WTHR. ADJ.		3580	4527	2636	2442	2522	3043	3259	2311	3700	3160	2400	4639	4333	3018
48 POSS FED EXT WTHR. OBLG	24/	0	0	0	0	-1764	-1950	-2012	-1871	0	0	0	0	0	0
49 FIRM S/D W/EXT WTHR. OBLIG		4216	5163	3274	3080	1397	1726	1880	1078	4338	3796	3036	5274	4967	3647
50 TOTAL S/D W/EXT WTHR. OBLIG		3580	4527	2636	2442	757	1093	1247	440	3700	3160	2400	4639	4333	3018

- NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.
2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.
3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
- A. BGP TO BPA, SUPPLEMENTAL ENERGY
 - B. SCE TO BPA, SUPPLEMENTAL ENERGY
 - C. SCE TO BPA, OPTION ENERGY

FEDERAL SYSTEM FOOTNOTES

Federal Table 2

1. BPA's small and nongenerating public agencies' purchases are requirements these agencies place on BPA under their power sales contracts and BPA's partnership program. BPA's obligation is each agency's net firm load requirement not served by its own dedicated resources.
2. BPA's exports include surplus firm power sales to the cities of Burbank, Glendale, and Pasadena, and to Southern California Edison; BPA's surplus firm power sale to M-S-R Power agency, which converts to a capacity sale on November 1, 2009; BPA's capacity contracts with the cities of Anaheim and Riverside; BPA's capacity for exchange energy with deferred return with the Sacramento Municipal Utility District and San Diego Gas and Electric; BPA's contract with BC Hydro for Canadian Entitlement beginning April 1, 1998; and BPA's Northwest-Southwest Intertie losses.
3. BPA's contracts out include its contracts of Canadian Entitlement capacity and supplemental capacity to Pacific Northwest public agencies and IOUs, which expire March 31, 2003; BPA's contracts with Clark County PUD and other public agencies (Packwood Lake); BPA's WNP-1 obligation contracts with Montana Power Company, Pacific Power and Light, Portland General Electric, Puget Sound Power and Light, and Washington Water Power; BPA's WNP-3 settlement contracts with Pacific Power and Light, Portland General Electric, Puget Sound Power and Light, and Washington Water Power; BPA's power transfer through Pacific Power and Light's system to serve BPA's Southern Idaho load; BPA's capacity sale with Montana Power Company; BPA's surplus firm power sale to Puget Sound Power and Light, which converts to a seasonal power exchange in OY 2001-02; BPA's surplus firm capacity sale to Washington Water Power; BPA's bridge capacity sale to Pacific Power and Light through July 31, 1995; and BPA's Baker Head loss replacement with Puget Sound Power and Light.
4. Columbia Storage Power Exchange (CSPE) is the sale of the Canadian share of downstream benefits under the Columbia River Treaty with Canada to a group of Northwest utilities, expiring April 1, 2003.
5. BPA's generating public agencies' purchases are requirements which these agencies place on BPA under their power sales contracts and BPA's partnership program. BPA's obligation is each agency's net firm load requirement not served by its own dedicated resources. These contracts actually expire June 30, 2001; however, they are assumed to remain in effect through the 20-year study period.
6. Generating private utility purchase is the contracted peak and energy requirement placed on the Federal system under the IOUs' power sales contracts with BPA.

Portland General Electric is purchasing capacity through June 30, 1999. These contracts actually expire June 30, 2001; however, they are assumed to remain in effect through the 10-year study period.

7. Federal diversity is a percentage reduction applied to the Federal system non-coincidental peak utility requirements. This is due to the fact that all peaking electrical loads do not occur simultaneously throughout the region.
8. DSIs' aluminum and nonaluminum top quartile load and associated line losses are BPA's interruptible loads.
9. May Water Budget is the energy loss due to the overgeneration which may be unusable as a firm resource on the Federal system. This is a new adjustment due to the use of a 42-month critical period average hydro number rather than the 39-month critical period average hydro number used in last year's study.
10. Sustained peaking adjustment is a percentage reduction applied to the Federal hydro system to meet a capacity load of 50 hours per week. This adjustment also includes reductions for Federal hydro maintenance, spinning reserves, forced outage reserves, and summer flow augmentation on the Lower Snake River and John Day hydro projects.
11. Canadian Entitlement Return non-Federal to the Columbia River Storage Exchange (CSPE) reflects the public agencies' and IOUs' obligation of Canadian Entitlement allocation to the Northwest entities of the CSPE, which expires March 31, 2003.
12. Canadian Entitlement Return non-Federal to Canada reflects the Federal system, public agencies', and IOUs' obligation of Canadian Entitlement allocation to Canada, which begins April 1, 1998.
13. Restoration adjusts for the losses and gains of the hydro system due to Canadian storage under the terms of the Pacific Northwest Coordination Agreement. It is an obligation to those utilities that gained generation from the addition of Canadian storage, and a resource gain to utilities that lost generation from Canadian storage.
14. Imports includes exchange energy to BPA from the cities of Anaheim and Riverside; exchange energy from the M-S-R Public Power Agency after its surplus firm sale converts to a capacity/energy exchange beginning November 1, 2009; exchange energy returned from San Diego Gas and Electric; deferred energy return from Sacramento Municipal Utility District and San Diego Gas and Electric; power purchases from Basin Electric Cooperative and Trans Alta; and power from Pacific Power and Light's Wyoming Division to serve BPA's Southern Idaho load.
15. Federal contracts in includes exchange energy to BPA from Montana Power Company; WNP-3 settlement; exchange energy from Pacific Power and Light, Portland General Electric, Puget Sound Power and Light, and Washington Water Power; and seasonal power exchange energy from Puget Sound Power and Light beginning in OY 2001-02; and power purchases from Puget Sound Power and Light and Montana Power Company.
16. Federal large thermal includes the generation from WNP-2, operated by WPPSS.

17. Resource acquisitions are resources BPA has identified and contracted for future purchase. When new Federal resource acquisitions are contracted for and/or on-line, they will be included in the loads and resources balance.
18. Hydro, small thermal and miscellaneous resources, and combustion turbine reserve requirements are estimated at 5 percent of the Federal capacity of these resources.
19. Large thermal reserve requirements are estimated at 15 percent of the WNP-2 nuclear project.
20. Federal spinning reserve is the reserve generating capacity maintained to provide a regulating margin for the automatic generation and frequency control of power generation.
21. Direct service industrial reserve requirements are one-third of the industrial firm load, or the sum of the reserve requirements for Federal hydro, small thermal and miscellaneous resources, combustion turbines, and large thermal resources, whichever is smaller.
22. Hydro maintenance is the sum of all Federal hydro project maintenance based on the mean of the 1983-84 through 1988-89 schedules submitted to the Northwest Power Pool.
23. Extreme weather adjustment for BPA's directly served loads.
24. Possible Federal extreme weather adjustment is the possible load on BPA by public agencies customers having the right to place this obligation on BPA.

TABLE 3: TOTAL PUBLIC AGENCIES

SUMMARY OF PUBLIC AGENCIES LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	8759	8759	8963	10386	11578	12393	12797	12123	11551	10872	10872	10102	9144	8960
2 EXPORTS	109	109	136	105	74	41	41	41	41	41	41	41	124	125
3 CONTRACTS OUT	174	174	124	175	76	80	80	78	76	76	76	75	124	124
4 TOTAL LOADS	9042	9042	9223	10666	11728	12514	12918	12242	11668	10989	10989	10218	9392	9209

RESOURCES

5 REGULATED HYDRO	3784	3937	3982	4052	3996	3947	3751	3748	3772	3795	3949	3970	3990	3991
6 INDEPENDENT HYDRO	185	185	182	180	188	162	189	189	196	189	189	187	188	168
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-59	-59	-59	-59	-59	-59	-59	-59	-59	-51	-51	-51	-51	-51
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	3910	4063	4105	4173	4125	4050	3881	3878	3909	3933	4087	4106	4127	4108
12 SMALL THERMAL & MISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	333	333	333	333	333	333	333	333	333	288	288	288	288	288
15 RENEWABLES	2	2	2	2	2	2	2	2	2	2	2	2	2	2
16 COGENERATION	20	20	20	20	20	20	20	20	20	20	20	20	20	20
17 IMPORTS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
18 CONTRACTS IN	301	301	251	301	252	251	251	251	252	235	235	235	235	224
19 LARGE THERMAL	315	315	315	315	315	315	315	315	315	315	315	158	315	315
20 NON-UTILITY GENERATION	198	198	146	83	38	37	20	23	51	156	156	245	259	233
21 TOTAL RESOURCES	5223	5376	5316	5371	5215	5140	5009	5043	5122	5093	5247	5198	5390	5314
22 HYD.SM THRM & MISC RES	-208	-217	-217	-218	-212	-208	-199	-199	-202	-209	-215	-222	-223	-220
23 LARGE THERMAL RESERVES	-48	-48	-48	-48	-47	-48	-48	-48	-48	-48	-48	-24	-48	-48
24 PUBLIC HYDRO MAINT	-578	-538	-482	-114	-81	-59	-74	-101	-212	-242	-245	-240	-249	-254
25 NET RESOURCES	4389	4573	4569	4991	4875	4825	4688	4695	4660	4594	4739	4712	4870	4792
26 SURPLUS/DEFICIT	-4653	-4469	-4654	-5675	-6853	-7689	-8230	-7547	-7008	-6395	-6250	-5506	-4522	-4417
27 DEDICATED RESOURCES	4850	5006	5040	5065	4977	4923	4770	4809	4875	4822	4975	4904	5078	5022
28 BPA PMR SLE CNTRCT PRCH	5466	5424	5537	6493	7370	8139	8618	8040	7566	7061	7053	6509	5667	5612
29 SURPLUS/DEFICIT W/PURCHASE	813	955	884	818	517	450	388	493	558	666	802	1003	1145	1195
30 EXTREME WEATHER ADJ.	0	0	0	0	-1973	-2118	-2180	-2074	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	760	902	851	803	-1456	-1668	-1792	-1581	554	631	767	955	1090	1136
32 POSSIBLE OBLIG ON BPA	0	0	0	0	1488	1675	1748	1565	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFT BPA OB	760	902	851	803	32	7	-44	-16	554	631	767	955	1090	1136

TABLE 3: TOTAL PUBLIC AGENCIES

SUMMARY OF PUBLIC AGENCIES LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	SYSTEM LOADS	9499	9499	9738	11212	12331	13112	13797	13026	12394	11607	11607	10752	9708	9521
2	EXPORTS	1/ 141	141	159	128	97	64	64	64	64	73	73	73	156	157
3	CONTRACTS OUT	2/ 174	174	124	175	76	80	80	78	77	76	76	75	124	124
4	TOTAL LOADS	9814	9814	10021	11515	12504	13256	13941	13168	12535	11756	11756	10900	9988	9802

RESOURCES

5	REGULATED HYDRO	3816	3972	4016	4079	4020	3971	3774	3771	3795	3818	3989	3959	4001	3990
6	INDEPENDENT HYDRO	193	193	190	188	196	170	197	197	204	197	197	195	196	176
7	MAY WATER BUDGET	3/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	CAN. ENT. RETURN (CSPE)	4/ -36	-36	-36	-36	-36	-36	-36	-36	-36	-16	-16	-16	-16	-16
9	CAN. ENT. RETURN (CANADA)	5/ -10	-10	-10	-10	-10	-10	-10	-10	-10	-70	-70	-70	-70	-70
10	RESTORATION	6/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL HYDRO	3963	4119	4160	4221	4170	4095	3925	3922	3953	3929	4100	4068	4111	4080
12	SMALL THERMAL & MISC	7/ 1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	COMBUSTION TURBINES	8/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	CSPE PURCHASE	9/ 207	207	207	207	207	207	207	207	207	100	100	100	100	100
15	RENEWABLES	10/ 4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	COGENERATION	11/ 58	58	47	47	47	27	47	47	47	58	58	58	58	38
17	IMPORTS	12/ 143	143	143	143	129	197	232	266	285	155	155	143	143	143
18	CONTRACTS IN	13/ 242	242	192	242	193	192	187	188	188	148	148	148	148	147
19	LARGE THERMAL	14/ 367	367	367	367	367	367	367	367	367	367	367	184	184	367
20	NON-UTILITY GENERATION	15/ 200	200	131	67	21	21	22	25	52	157	157	248	260	235
21	TOTAL RESOURCES	5185	5341	5252	5299	5139	5111	4992	5027	5104	4919	5090	4954	5009	5115
22	HYD, SM THRM & MISC RES	16/ -213	-221	-219	-220	-215	-210	-203	-203	-206	-213	-221	-223	-226	-222
23	LARGE THERMAL RESERVES	17/ -55	-55	-56	-56	-55	-56	-56	-56	-56	-56	-56	-28	-28	-56
24	PUBLIC HYDRO MAINT	18/ -578	-538	-482	-114	-81	-59	-74	-101	-212	-242	-245	-240	-249	-254
25	NET RESOURCES	4339	4527	4495	4909	4788	4786	4659	4667	4630	4408	4568	4463	4506	4583
26	SURPLUS/DEFICIT	-5475	-5287	-5526	-6606	-7716	-8470	-9282	-8501	-7905	-7348	-7188	-6437	-5482	-5219
27	DEDICATED RESOURCES	19/ 4782	4939	4955	4972	4881	4827	4684	4725	4787	4620	4791	4666	4703	4807
28	BPA PWR SLE CNTRCT PRCH	20/ 6081	6047	6147	7179	8070	8817	9574	8836	8319	7768	7761	7131	6201	6106
29	SURPLUS/DEFICIT W/PURCHASE	606	760	621	573	354	347	292	336	414	420	572	694	719	887
30	EXTREME WEATHER ADJ.	21/ 0	0	0	0	-2101	-2239	-2344	-2224	0	0	0	0	0	0
31	SURPLUS/DEFICIT W/EXTRM WX	553	707	588	558	-1747	-1892	-2052	-1888	410	385	537	645	664	828
32	POSSIBLE OBLIG ON BPA	22/ 0	0	0	0	1670	1790	1873	1740	0	0	0	0	0	0
33	SURPLUS/DEFICIT AFTR BPA OB	553	707	588	558	-78	-102	-179	-149	410	385	537	645	664	828

TABLE 3: TOTAL PUBLIC AGENCIES

SUMMARY OF PUBLIC AGENCIES LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT
LOADS AND RESOURCESM E D I U M L O A D S
2003- 4 OPERATING YEAR1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941993 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	9888	9888	10146	11778	13086	13997	14569	13749	13092	12258	12258	11346	10245	10028
2 EXPORTS	141	141	159	128	97	64	64	64	64	73	73	73	156	157
3 CONTRACTS OUT	168	168	118	168	68	68	68	68	68	68	68	68	118	118
4 TOTAL LOADS	10197	10197	10423	12074	13251	14129	14701	13881	13224	12399	12399	11487	10519	10303
RESOURCES														
5 REGULATED HYDRO	3955	4110	4154	4217	4161	4111	3919	3910	3936	3957	4127	4106	4142	4163
6 INDEPENDENT HYDRO	193	193	190	188	196	170	197	197	204	197	197	195	196	176
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130	-130
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	4018	4173	4214	4275	4227	4151	3986	3977	4010	4024	4194	4171	4208	4209
12 SMALL THERMAL & MISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	5	5	5	5	5	5	5	5	5	5	5	5	5	5
16 COGENERATION	58	58	47	47	47	27	47	47	47	58	58	58	58	38
17 IMPORTS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
18 CONTRACTS IN	160	160	110	160	109	110	109	367	367	110	110	110	110	110
19 LARGE THERMAL	367	367	367	367	367	367	367	367	367	367	367	184	367	367
20 NON-UTILITY GENERATION	200	200	131	67	21	21	22	25	52	156	157	247	260	234
21 TOTAL RESOURCES	4952	5107	5018	5065	4906	4833	4723	4752	4831	4864	5035	4919	5152	5107
22 HYD, SM THRM & MISC RES	-220	-228	-227	-227	-222	-217	-210	-210	-213	-219	-228	-230	-233	-231
23 LARGE THERMAL RESERVES	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56	-56
24 PUBLIC HYDRO MAINT	-578	-538	-482	-114	-81	-59	-74	-101	-212	-242	-245	-240	-249	-254
25 NET RESOURCES	4098	4285	4253	4668	4547	4501	4383	4385	4350	4347	4506	4421	4614	4566
26 SURPLUS/DEFICIT	-6099	-5912	-6170	-7406	-8704	-9628	-10318	-9496	-8874	-8052	-7893	-7066	-5905	-5737
27 DEDICATED RESOURCES	4590	4746	4761	4778	4688	4636	4500	4537	4600	4591	4762	4645	4833	4808
28 BPA PWR SLE CNTRCT PRCH	6594	6564	6644	7773	8949	9833	10524	9737	9133	8385	8359	7714	6674	6597
29 SURPLUS/DEFICIT W/PURCHASE	496	652	474	367	245	205	206	241	259	333	466	648	769	860
30 EXTREME WEATHER ADJ.	0	0	0	0	-2231	-2390	-2475	-2347	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	443	599	441	352	-1986	-2185	-2269	-2106	255	299	431	600	714	801
32 POSSIBLE OBLIG ON BPA	0	0	0	0	1764	1950	2012	1871	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	443	599	441	352	-222	-235	-257	-235	255	299	431	600	714	801

PUBLIC AGENCIES FOOTNOTES

Total Public Agencies Table 3

1. Public agencies' exports includes the City of Idaho Falls' contract with Utah Power Company for Gem State Hydro; Seattle City Light's seasonal power exchange deliveries to Northern California Public Agencies; and Tacoma Generating Utilities' power sale to the Western Area Power Administration (WAPA).
2. Public agencies' contracts out include Chelan County PUD's capacity deliveries to Douglas County PUD and Portland General Electric; Colockum's capacity deliveries to Chelan County PUD and Pacific Power and Light; Douglas County PUD' exchange energy returned to Chelan County PUD; Grant County PUD's power sales to Pacific Power and Light; Northern Wasco PUD's sale to Puget Sound Power and Light; other small and non-generating public agencies power sales to Puget Sound Power and Light; Pend Oreille County PUD's power sale to Seattle City Light; Seattle City Light's seasonal power exchange deliveries to Idaho Power Company and Tacoma Generating Utilities and power sale to Pend Oreille County PUD; Snohomish County PUD's power sale to Puget Sound Power and Light; and Tacoma Generating Utilities' seasonal power exchange deliveries to Seattle City Light.
3. May Water Budget is the energy loss due to the overgeneration which may be unusable as a firm resource on the Public Utilities systems. This is a new adjustment due to the use of a 42-month critical period average hydro number rather than the 39-month critical period average hydro number used in last years study. The overgeneration on the Public Utility systems was deemed to be usable during the month of May. Therefore, the loss due to the overgeneration was set to zero for the Public Utilities.
4. Canadian Entitlement Return non-Federal to the Columbia River Power Exchange (CSPE) reflects the public agencies' obligation of Canadian Entitlement allocation to CSPE, which expires April 1, 2003.
5. Canadian Entitlement Return non-Federal to Canada reflects the public agencies' obligation of Canadian Entitlement allocation to Canada, which begins in April 1, 1998.
6. Restoration is the obligation of the public agencies that gained generation from the addition of Canadian storage to utilities that lost generation from it, according to the terms of the Pacific Northwest Coordination Agreement.
7. Public agencies' small thermal and miscellaneous resources include the City of Idaho Falls' Diesel plant; Idaho's Power Company's Energy Management Systems; Tacoma Generating Utilities' Steam Plant No. 2; and Seattle City Light's Boundary.

8. There are no regional public agency combustion turbines.
9. Columbia Storage Power Exchange (CSPE) is the sale to Northwest utilities through April 1, 2003 of the Canadian share of downstream benefits under the Treaty with Canada.
10. Public agencies' renewable resources include Emerald PUD's Short Mountain.
11. Public agencies' cogeneration includes Eugene Water and Electric Board's Weyerhaeuser WEYCO Energy Center; and Snohomish County PUD's Scott Paper.
12. Public agencies' imports include power deliveries to Seattle City Light from BC Hydro for Ross replacement, and seasonal power exchange deliveries from Northern California Public Agencies.
13. Public agencies' contracts in include Chelan County PUD capacity receipts from Colockum, and exchange energy from Douglas County PUD and Portland General Electric; Clark County PUD and other small and non-generating public agencies power receipts from BPA for Packwood Lake; Colockum exchange energy from Pacific Power and Light; Douglas County PUD capacity receipts from Chelan County PUD; Oregon Trail Cooperative's replacement power sale from Idaho Power Company; Pend Oreille County PUD power sales receipts from Seattle City Light and Washington Water Power; Seattle City Light's power sale receipts from Pend Oreille County PUD and seasonal power exchanges from Idaho Power Company and Tacoma Generating Utilities; and Tacoma Generating Utilities' seasonal energy exchange from Seattle City Light.
14. Public agencies' large thermal includes Seattle City Light, Snohomish County PUD's, and Tacoma Generating Utilities share of Centralia, and Grays Harbor's share of Centralia starting OY 1997-98.
15. Public agencies' Non-Utility Generating resources from independent power producers and qualified facilities under the Public Utilities Regulatory Act (PURPA). These resources are summarized for the following public agencies: Chelan County PUD, Cowlitz County PUD, Douglas County PUD, Eugene Water and Electric Board, Grant County PUD, Pend Oreille County PUD, Seattle City Light, Small and Non-Generating Utilities, Snohomish County PUD, and Tacoma Generating Utilities.
16. Hydro, small thermal and miscellaneous resources, and combustion turbine reserve requirements are 5 percent of the public agencies' share of capacity from these resources.
17. Large thermal reserve requirements are 15 percent of the public agencies' share of Pacific Northwest thermal resources.
18. Hydro maintenance is the sum of all public agency hydro project maintenance based on the mean of the 1983-84 through 1988-89 schedules submitted to the Northwest Power Pool.
19. Dedicated resources are the actual resources used in the operating year prior to the signing of the Pacific Northwest Electric Power Planning and Conservation Act (Public Law 96-501) and other resources the utility dedicates to serve its load.

20. Purchases from BPA include public agencies' firm power purchases under their power sales contracts and BPA's partnership program. This requirement is defined as the sum of the differences between each utility's firm load and its dedicated resources.
21. Extreme Weather adjustment for all public utilities for severe cold weather in the months of November through February.
22. Possible extreme weather adjustment obligation on BPA for those public utilities having the right to place the obligation on BPA.

TABLE 4: TOTAL PRIVATE UTILITIES

SUMMARY OF PRIVATE UTILITIES LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S														
1994-95 OPERATING YEAR														
1930 WATER YEAR PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	11875	11875	11437	12941	14017	15359	16070	15513	14204	13211	13211	12307	12236	12201
2 EXPORTS	1705	1705	1636	941	973	1026	1031	1002	990	969	969	1126	1668	1722
3 CONTRACTS OUT	685	685	635	687	714	713	713	688	663	516	516	610	610	675
4 TOTAL LOADS	14265	14265	13708	14569	15704	17098	17814	17203	15857	14696	14696	14043	14514	14598
RESOURCES														
5 REGULATED HYDRO	6271	6243	6448	6414	6287	6410	6380	6263	6246	6252	6297	6047	6334	6358
6 INDEPENDENT HYDRO	947	918	884	843	857	897	873	874	904	911	955	904	916	929
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-93	-93	-93	-93	-93	-93	-93	-93	-93	-78	-78	-78	-78	-78
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	7125	7068	7239	7164	7051	7214	7160	7044	7057	7085	7174	6873	7172	7209
12 SMALL THERMAL & MISC	44	44	35	31	124	128	133	135	31	36	55	35	6	42
13 COMBUSTION TURBINES	884	884	893	938	1653	1661	1666	1660	954	912	912	902	893	884
14 CSPE PURCHASE	333	333	333	333	333	333	333	333	333	288	288	288	288	288
15 RENEWABLES	47	47	47	47	47	47	47	47	47	47	47	47	0	47
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	1749	1749	1283	1422	1988	2238	2233	2267	1766	1261	1261	1760	1928	1854
18 CONTRACTS IN	2685	2685	2664	3083	3448	3506	3480	3409	3182	2679	2679	2518	2585	2676
19 LARGE THERMAL	3990	3990	3960	3947	3762	3943	3957	3962	3947	3429	2380	2721	3954	3986
20 NON-UTILITY GENERATION	992	992	969	940	937	925	916	942	952	990	996	455	844	1024
21 TOTAL RESOURCES	17849	17792	17423	17905	19343	19995	19925	19799	18269	16727	15792	15599	17670	18010
22 HYD, SM THRM & MISC RES	-460	-456	-464	-460	-495	-503	-501	-496	-456	-456	-463	-419	-450	-464
23 LARGE THERMAL RESERVES	-808	-808	-745	-767	-724	-783	-788	-791	-798	-678	-521	-642	-820	-802
24 PRIVATE HYDRO MAINT	-741	-721	-520	-333	-142	-106	-79	-303	-487	-427	-411	-336	-302	-656
25 NET RESOURCES	15840	15807	15694	16345	17982	18603	18557	18209	16528	15166	14397	14203	16098	16088
26 SURPLUS/DEFICIT	1575	1542	1986	1776	2278	1505	743	1006	671	470	-299	160	1584	1490
27 DEDICATED RESOURCES	13006	12949	12786	12912	13115	13626	13599	13512	12961	12094	12182	12058	13168	13014
28 BPA PWR SLE CNTRCT PRCH	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 SURPLUS/DEFICIT W/PURCHASE	1725	1692	2136	1926	2428	1655	893	1156	821	620	-149	310	1734	1640
30 EXTREME WEATHER ADJ.	0	0	0	0	-1678	-1832	-1923	-1846	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	1777	1745	2174	1961	785	-141	-991	-648	859	561	-124	343	1770	1686

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

TABLE 4: TOTAL PRIVATE UTILITIES

SUMMARY OF PRIVATE UTILITIES LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>															
LOADS															
1	SYSTEM LOADS	12590	12590	12145	13728	14865	16276	16967	16405	15018	13949	13949	12973	12899	12860
2	EXPORTS	1/ 1630	1630	1560	864	877	931	937	908	895	886	886	1052	1517	1571
3	CONTRACTS OUT	2/ 407	407	407	407	408	407	403	403	403	309	309	403	403	403
4	TOTAL LOADS	14627	14627	14112	14999	16150	17614	18307	17716	16316	15144	15144	14428	14819	14834
<hr/>															
RESOURCES															
5	REGULATED HYDRO	6248	6220	6443	6431	6310	6443	6413	6292	6270	6261	6300	6095	6357	6380
6	INDEPENDENT HYDRO	947	918	898	864	883	934	909	905	929	927	970	918	933	928
7	MAY WATER BUDGET	3/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	CAN. ENT. RETURN (CSPE)	4/ -54	-54	-54	-54	-54	-54	-54	-54	-54	-27	-27	-27	-27	-27
9	CAN. ENT. RETURN (CANADA)	5/ -20	-20	-20	-20	-20	-20	-20	-20	-20	-111	-111	-111	-111	-111
10	RESTORATION	6/ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL HYDRO	7121	7064	7267	7221	7119	7303	7248	7123	7125	7050	7132	6875	7152	7170
12	SMALL THERMAL & MISC	7/ 43	43	42	45	147	159	163	161	61	61	84	59	20	57
13	COMBUSTION TURBINES	8/ 1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191
14	CSPE PURCHASE	9/ 209	209	209	209	209	209	209	209	209	100	100	100	100	100
15	RENEWABLES	10/ 47	47	47	47	47	47	47	47	47	47	47	47	0	47
16	COGENERATION	11/ 240	240	240	240	240	240	240	240	240	0	0	240	240	240
17	IMPORTS	12/ 1542	1542	981	970	1537	2036	2020	2070	1353	1066	1066	1567	1740	1659
18	CONTRACTS IN	13/ 845	845	874	1241	1744	1802	1776	1730	1448	971	971	729	796	812
19	LARGE THERMAL	14/ 3936	3936	3933	3942	3765	3967	3977	3974	3945	3278	2223	2718	3462	3935
20	NON-UTILITY GENERATION	15/ 1045	1045	1028	1011	1015	1006	993	1021	1025	1056	1067	515	906	1058
21	TOTAL RESOURCES	16219	16162	15814	16153	17752	18700	18605	18506	16684	14427	13488	13645	15609	16269
22	HYD, SM THRM & MISC RES	16/ -488	-485	-494	-493	-528	-538	-535	-529	-489	-457	-463	-434	-483	-495
23	LARGE THERMAL RESERVES	17/ -766	-766	-693	-695	-653	-751	-755	-761	-732	-623	-464	-610	-715	-762
24	PRIVATE HYDRO MAINT	18/ -741	-721	-520	-333	-142	-106	-79	-305	-488	-427	-411	-336	-302	-656
25	NET RESOURCES	14224	14190	14107	14633	16429	17306	17236	16912	14974	12920	12151	12265	14109	14355
26	SURPLUS/DEFICIT	-403	-437	-5	-366	279	-308	-1071	-804	-1342	-2224	-2993	-2163	-710	-479
27	DEDICATED RESOURCES	19/ 11581	11524	11231	11215	11582	12385	12348	12292	11442	10333	10420	10507	11246	11550
28	BPA PWR SLE CNTRCT PRCH	20/ 150	150	150	150	150	150	150	150	150	150	150	150	150	150
29	SURPLUS/DEFICIT W/PURCHASE	-253	-287	145	-216	429	-158	-921	-654	-1192	-2074	-2843	-2013	-560	-329
30	EXTREME WEATHER ADJ.	21/ 0	0	0	0	-1773	-1934	-2024	-1945	0	0	0	0	0	0
31	SURPLUS/DEFICIT W/EXTRM WX	-199	-232	190	-171	-1297	-2040	-2888	-2542	-1139	-2125	-2811	-1971	-516	-282

TABLE 4: TOTAL PRIVATE UTILITIES

SUMMARY OF PRIVATE UTILITIES LOADS AND RESOURCES IN THE PACIFIC NORTHWEST REGION
UNDER THE PACIFIC NORTHWEST ELECTRIC POWER PLANNING AND CONSERVATION ACT

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS															
1	SYSTEM LOADS	13396	13396	12944	14603	15785	17318	18007	17392	15956	14817	14817	13790	13711	13677
2	EXPORTS	1541	1541	1469	801	813	842	777	751	747	744	744	904	1438	1485
3	CONTRACTS OUT	597	597	597	597	97	97	97	97	97	3	3	97	97	397
4	TOTAL LOADS	15534	15534	15010	16001	16695	18257	18881	18240	16800	15564	15564	14791	15246	15559
RESOURCES															
5	REGULATED HYDRO	6125	6098	6325	6313	6187	6322	6286	6173	6148	6143	6185	5969	6236	6226
6	INDEPENDENT HYDPO	965	936	922	883	904	956	932	926	951	952	996	944	959	952
7	MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	CAN. ENT. RETURN (CANADA)	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
10	RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL HYDRO	6890	6834	7047	6996	6891	7078	7018	6899	6899	6895	6981	6713	6995	6978
12	SMALL THERMAL & MISC	71	71	55	58	164	176	180	180	79	81	105	79	25	74
13	COMBUSTION TURBINES	1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191
14	CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RENEWABLES	47	47	47	47	47	47	47	47	47	47	47	47	47	47
16	COGENERATION	240	240	240	240	240	240	240	240	240	0	0	240	240	240
17	IMPORTS	1447	1447	993	1131	2040	1938	1909	1962	1463	952	952	1458	1649	1568
18	CONTRACTS IN	428	428	457	523	1118	1172	1146	1102	528	406	406	165	233	249
19	LARGE THERMAL	3971	3971	3976	3986	3807	4011	4021	4021	3989	3313	2254	2753	3980	3977
20	NON-UTILITY GENERATION	992	992	977	960	964	955	942	970	974	1007	1018	490	880	1004
21	TOTAL RESOURCES	15277	15221	14985	15168	17200	17548	17435	17352	15450	13499	12561	12740	15195	15328
22	HYD. SM. THRM & MISC RES	-482	-479	-487	-486	-521	-531	-528	-523	-483	-451	-457	-428	-477	-486
23	LARGE THERMAL RESERVES	-750	-750	-695	-720	-728	-737	-740	-745	-750	-608	-448	-595	-771	-747
24	PRIVATE HYDRO MAINT	-743	-723	-520	-333	-142	-106	-79	-305	-490	-427	-411	-336	-302	-657
25	NET RESOURCES	13302	13269	13284	13630	15809	16175	16087	15778	13727	12013	11246	11381	13644	13438
26	SURPLUS/DEFICIT	-2232	-2265	-1726	-2371	-886	-2082	-2794	-2462	-3073	-3551	-4318	-3410	-1602	-2121
27	DEDICATED RESOURCES	10964	10908	10724	10830	11539	11768	11785	11734	11094	9990	10076	10167	11321	11117
28	BPA PWR SLE CNTRCT PRCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	SURPLUS/DEFICIT W/PURCHASE	-2232	-2265	-1726	-2371	-886	-2082	-2794	-2462	-3073	-3551	-4318	-3410	-1602	-2121
30	EXTREME WEATHER ADJ.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	SURPLUS/DEFICIT W/EXTRM WX	-2167	-2199	-1673	-2317	-2705	-4072	-4870	-4448	-3009	-3594	-4278	-3360	-1547	-2064

PRIVATE UTILITY FOOTNOTES

Total Private Utilities Table 4

1. Private utilities' exports include Idaho Power Company's power sales to Sierra Pacific, Utah Associated Municipal Power System, the Cities of Azusa-Banning-Colton, and the City of Washington, Utah; Montana Power Company's power sales to the Los Angeles Department of Water and Power; Pacific Power and Light's transfer to its Northern California load, power sales to California Department of Water Resources, Pacific Gas and Electric, Southern California Edison, Sacramento Municipal Utility District, and Western Area Power Administration; Portland General Electric's power sales to the cities of Burbank and Glendale, Southern California Edison, and the Western Area Power Administration, and seasonal power exchange deliveries to Southern California Edison; Puget Sound Power and Light's seasonal power exchange deliveries to Pacific Gas and Electric; and Washington Water Power's seasonal power exchange deliveries to Pacific Gas and Electric.
2. Private utilities' contracts out include Idaho Power Company's replacement power sale to Oregon Trail Cooperative, seasonal power exchange deliveries to Seattle City Light and Montana Power Company, and a power sale to Montana Power Company; Montana Power Company's power sales to BPA, Pacific Power and Light, Puget Sound Power and Light and Washington Water Power, seasonal power exchange deliveries to Idaho Power Company, and exchange energy returned to BPA; Pacific Power and Light's power sale to Puget Sound Power and Light, WNP-3 settlement energy to BPA, and exchange energy to Colockum; Portland General Electric's contract to Pacific Power and Light for Cove Replacement and exchange energy returned to Chelan County PUD, and WNP-3 settlement energy to BPA; Puget Sound Power and Light's power sales to BPA, seasonal power exchange deliveries to BPA (beginning July 1, 2001) and WNP-3 settlement energy to BPA; and Washington Water Power's power sales to Pacific Power and Light, Pend Oreille County PUD, and Puget Sound Power and Light, capacity sale to Portland General Electric, replacement power sale to Pacific Power and Light (Sandpoint), and WNP-3 settlement energy to BPA.
3. May Water Budget is the energy loss due to the overgeneration which may be unusable as a firm resource on the Private Utility systems. This is a new adjustment due to the use of a 42-month critical period average hydro number rather than the 39-month critical period average hydro number used in last years study. The overgeneration on the Private Utility systems was deemed to be usable during the month of May. Therefore, the loss due to the overgeneration was set to zero for the Private Utilities.

4. Canadian Entitlement Return non-Federal to the Columbia River Power Exchange (CSPE) reflects the private utilities' obligation of Canadian Entitlement allocation to CSPE, which expires April 1, 2003.
5. Canadian Entitlement Return non-Federal to Canada reflects the private utilities' obligation of Canadian Entitlement allocation to Canada, which begins April 1, 1998.
6. Restoration is the obligation of the private utilities that gained generation from the addition of Canadian storage to utilities that lost generation from it, according to the terms of the Pacific Northwest Coordination Agreement.
7. Private utilities' existing small thermal and miscellaneous resources include Idaho Power Company's Energy Management Systems; Puget Sound Power and Light's Shuffleton and Crystal Mountain; Portland General Electric's Summit plants; and Montana Power Company's portions of Bird and Corette in the region.
8. Private utilities' combustion turbines include Portland General Electric's Bethel and Beaver; Puget Sound Power and Light's Whidbey Island, Whitehorn, Fredrickson, and Fredonia; Washington Water Power's Northeast and Rathdrum; and Idaho Power Company's Wood River.
9. Columbia Storage Power Exchange (CSPE) is the sale to Northwest utilities through April 1, 2003 of the Canadian share of downstream benefits under the Treaty with Canada.
10. Private utilities' renewable resources include Washington Water Power's Kettle Falls.
11. Private utility cogeneration resources include Portland General Electric's Coyote Springs.
12. Private utilities' imports include Pacific Power and Light transfers from its Wyoming division and service to Southern Idaho loads for BPA; Portland General Electric seasonal power exchange from the Southern California Edison; Puget Sound Power and Light power sale receipts from BC Hydro, seasonal power exchange receipts from Pacific Gas and Electric; Utah Power Company's intra-company transfer; Washington Water Power seasonal power exchange receipts from Pacific Gas and Electric.
13. Private utilities' contracts in include Idaho Power Company's seasonal energy exchange receipts from Montana Power Company and Seattle City Light; Montana Power Company capacity receipts, and power sales and seasonal power exchange receipts from Idaho Power Company; Pacific Power and Light capacity receipts from BPA and Colockum, power sales receipts from BPA for BPA's Southern Idaho load, power sales from Grant County PUD, Montana Power Company and Washington Water Power, Cove Replacement from Portland General Electric, and Sandpoint Replacement Power from Washington Water, WNP 1 obligation receipts from BPA, and WNP 3 settlement receipts from BPA; Portland General Electric capacity receipts from Chelan County PUD; WNP 1 obligation from BPA, and WNP 3 settlement from BPA; Puget Sound Power & Light capacity receipts from BPA, power sales receipts from BPA (Baker Head loss), Montana Power Company, other small and non-generating public agencies, Northern Wasco PUD, Pacific Power and Light, Snohomish County PUD, and Washington Water Power; WNP 1 obligation receipts

from BPA, and WNP 3 settlement receipts from BPA; Washington Water Power capacity receipts from BPA, power sales receipts from Montana Power Company, WNP 1 obligation from BPA, and WNP 3 settlement from BPA.

14. Private utilities' large thermal includes the private utilities' shares of Centralia, Jim Bridger, Colstrip 1 and 2, Colstrip 3 and 4, Boardman Coal, and Valmy; and Puget Sound Power and Light's purchase of Grays Harbor's share of Centralia through OY 1996-97.
15. Private utilities' non-utility generating resources from independent power producers and qualifying facilities under the Public Utilities Regulatory Act (PURPA). These resources are summarized for the following private utilities: Idaho Power Company, Montana Power Company, Pacific Power and Light, Portland General Electric, Puget Sound Power and Light, and Washington Water Power.
16. Hydro, small thermal and miscellaneous resources, and combustion turbine reserve requirements are 5 percent of the private utilities' share in the capacity of these resources.
17. Large thermal reserve requirements are 15 percent of the private utilities' share of Pacific Northwest thermal resources and the Pacific Power and Light import from Wyoming.
18. Hydro maintenance is the sum of all private utility hydro project maintenance based on the mean of the 1983-84 through 1988-89 schedules submitted to the Northwest Power Pool.
19. Dedicated resources are the actual resources used in the operating year prior to the signing of the Pacific Northwest Electric Power Planning and Conservation Act (Public Law 96-501) and other resources the utility dedicates to serve its load.
20. Purchases from BPA include the private utilities' contracted firm energy or firm capacity purchases under their power sales contracts and BPA's partnership program. Portland General Electric Company is purchasing 150 megawatts of capacity through June 30, 1999.
21. Extreme Weather adjustment for all private utilities for severe cold weather in the months of November through February.
22. Possible extreme weather adjustment obligation on BPA for those private utilities having the right to place the obligation on BPA. No private utilities are assumed to place this obligation on BPA.

SECTION XIII: Monthly Capacity Analysis

**INDIVIDUAL UTILITY LOAD AND RESOURCE BALANCES
(FOR OYs 1994-95, 1998-99, AND 2003-04)**

SECTION XIII - INDIVIDUAL UTILITY LOAD AND RESOURCE BALANCES (FOR OYs 1994-95, 1998-99, AND 2003-04)

Monthly Capacity Analysis

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Section XIII - Individual Utility Load and Resource Balances (for OYs 1994-95, 1998-99, and 2003-04)		
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Idaho Power Company	U-1	TA-2-470
Montana Power Company	U-2	TA-2-473
Pacific Power and Light Company	U-3	TA-2-476
Portland General Electric Company	U-4	TA-2-479
Puget Sound Power and Light Company	U-5	TA-2-482
Utah Power Company	U-6	TA-2-485
Washington Water Power Company	U-7	TA-2-488
Public Agencies		
Chelan County PUD #1	U-8	TA-2-491
Cowlitz County PUD #1	U-9	TA-2-494
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Eugene Water and Electric Board	U-11	TA-2-500
Grant County PUD #2	U-12	TA-2-503
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Small and Nongenerating Public Agencies	U-17	TA-2-518
Total Generating Public Agencies		
Total Generating Public Agencies	U-18	TA-2-521

TABLE U-1

IDAHO POWER COMPANY
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	2191	2191	1899	1830	1979	2065	2119	2056	1853	1821	1821	2071	2380	2411
2 EXPORTS	179	179	173	142	142	175	176	172	163	165	165	163	172	179
3 CONTRACTS OUT	36	36	36	88	114	138	138	113	89	36	36	36	36	26
4 TOTAL LOADS	2406	2406	2108	2060	2235	2378	2433	2341	2105	2022	2022	2270	2588	2616
RESOURCES														
5 REGULATED HYDRO	1079	1084	1280	1270	1172	1319	1345	1258	1249	1239	1239	1345	1186	1210
6 INDEPENDENT HYDRO	420	391	374	348	368	373	353	344	379	375	388	374	394	406
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1499	1475	1654	1618	1540	1692	1698	1602	1628	1614	1627	1719	1580	1616
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	75	75	0	0	0	0	0	0	0	0	0	0	0	75
19 LARGE THERMAL	985	985	985	985	812	985	985	985	985	639	639	762	985	985
20 NON-UTILITY GENERATION	127	127	106	76	63	44	53	57	72	103	103	131	142	142
21 TOTAL RESOURCES	2736	2712	2795	2729	2465	2771	2786	2694	2735	2406	2419	2662	2757	2868
22 HYD,SM THRM & MISC RESERVES	-84	-82	-91	-87	-83	-89	-90	-85	-87	-88	-89	-95	-89	-90
23 LARGE THERMAL RESERVES	-148	-148	-148	-148	-122	-148	-148	-147	-148	-96	-96	-114	-148	-148
24 HYDRO MAINTENANCE	-81	-81	-66	-45	-15	0	0	-39	-96	-40	-40	-18	-10	-86
25 NET RESOURCES	2423	2401	2490	2449	2245	2534	2548	2423	2404	2182	2194	2435	2510	2544
26 SURPLUS/DEFICIT	17	-5	382	389	10	156	115	82	299	160	172	165	-78	-72
27 DEDICATED RESOURCES	2180	2156	2320	2285	2020	2294	2308	2220	2269	1939	1952	2247	2283	2322
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	17	-5	382	389	10	156	115	82	299	160	172	165	-78	-72
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-265	-277	-284	-275	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	17	-5	382	389	-255	-121	-169	-193	299	160	172	165	-78	-72

TABLE U-1

IDAHO POWER COMPANY LOADS AND RESOURCES														
M E D I U M L O A D S														
1998-99 OPERATING YEAR														
1930 WATER YEAR PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	2327	2327	2024	1940	2093	2181	2239	2172	1960	1922	1922	2186	2503	2538
2 EXPORTS	180	180	174	142	143	176	177	173	164	157	157	164	96	103
3 CONTRACTS OUT	10	10	10	10	11	10	6	6	6	6	6	6	6	6
4 TOTAL LOADS	2517	2517	2208	2092	2247	2367	2422	2351	2130	2085	2085	2356	2605	2647
RESOURCES														
5 REGULATED HYDRO	1079	1084	1280	1270	1172	1318	1345	1258	1249	1239	1239	1345	1186	1210
6 INDEPENDENT HYDRO	420	391	374	348	368	373	353	344	379	375	388	374	394	406
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1499	1475	1654	1618	1540	1691	1698	1602	1628	1614	1627	1719	1580	1616
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	985	985	985	985	812	985	985	985	985	518	518	762	985	985
20 NON-UTILITY GENERATION	181	181	164	143	136	117	121	128	141	166	166	189	211	190
21 TOTAL RESOURCES	2715	2691	2853	2796	2538	2843	2854	2765	2804	2348	2361	2720	2826	2841
22 HYD,SM THRM & MISC RESERVES	-87	-85	-93	-90	-86	-93	-93	-89	-91	-92	-92	-98	-92	-93
23 LARGE THERMAL RESERVES	-147	-147	-148	-147	-122	-147	-147	-148	-147	-77	-78	-114	-148	-147
24 HYDRO MAINTENANCE	-81	-81	-66	-45	-15	0	0	-39	-96	-40	-40	-18	-10	-86
25 NET RESOURCES	2400	2378	2546	2514	2315	2603	2614	2489	2470	2139	2151	2490	2576	2515
26 SURPLUS/DEFICIT	-117	-139	338	422	68	236	192	138	340	54	66	134	-29	-132
27 DEDICATED RESOURCES	2233	2209	2377	2352	2092	2365	2379	2294	2342	2014	2027	2308	2432	2440
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-117	-139	338	422	68	236	192	138	340	54	66	134	-29	-132
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-280	-292	-300	-291	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-117	-139	338	422	-212	-56	-108	-153	340	54	66	134	-29	-132

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

TABLE U-1

IDAHO POWER COMPANY
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	2450	2450	2143	2024	2178	2268	2328	2227	2038	1996	1996	2291	2609	2647
2 EXPORTS	82	82	76	70	69	76	7	7	7	7	7	7	7	7
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	2532	2532	2219	2094	2247	2344	2335	2234	2045	2003	2003	2298	2616	2654

RESOURCES

5 REGULATED HYDRO	1079	1084	1280	1270	1172	1318	1345	1258	1249	1239	1239	1345	1186	1210
6 INDEPENDENT HYDRO	420	391	374	348	368	373	353	344	379	375	388	374	394	406
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1499	1475	1654	1618	1540	1691	1698	1602	1628	1614	1627	1719	1580	1616
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	50	50	50	50	50	50	50	50	50	50	50	50	50	50
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	985	985	985	985	812	985	985	985	985	518	518	762	985	985
20 NON-UTILITY GENERATION	181	181	164	143	136	117	121	128	141	166	166	189	211	190
21 TOTAL RESOURCES	2715	2691	2853	2796	2538	2843	2854	2765	2804	2348	2361	2720	2826	2841
22 HYD, SM THRM & MISC RESERVES	-87	-85	-93	-90	-86	-93	-93	-89	-91	-92	-92	-98	-92	-93
23 LARGE THERMAL RESERVES	-147	-147	-147	-147	-122	-147	-148	-147	-148	-78	-78	-114	-147	-147
24 HYDRO MAINTENANCE	-81	-81	-66	-45	-15	0	0	-39	-96	-40	-40	-18	-10	-86
25 NET RESOURCES	2400	2378	2547	2514	2315	2603	2613	2490	2469	2138	2151	2490	2577	2515
26 SURPLUS/DEFICIT	-132	-154	328	420	68	259	278	256	424	135	148	192	-39	-139
27 DEDICATED RESOURCES	2341	2317	2485	2434	2177	2475	2555	2466	2505	2170	2183	2471	2527	2542
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-132	-154	328	420	68	259	278	256	424	135	148	192	-39	-139
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-292	-304	-312	-298	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-132	-154	328	420	-224	-45	-34	-42	424	135	148	192	-39	-139

TABLE U-2

MONTANA POWER COMPANY
REGIONAL LOADS AND RESOURCESM E D I U M L O A D S
1994-95 OPERATING YEAR1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
	1-15	16-31												
LOADS														
1 SYSTEM LOADS	410	410	393	407	415	486	519	502	434	400	400	390	394	424
2 EXPORTS	111	111	111	111	111	111	111	111	111	111	111	111	111	111
3 CONTRACTS OUT	179	179	129	129	129	104	104	104	104	10	10	104	104	179
4 TOTAL LOADS	700	700	633	647	655	701	734	717	649	521	521	605	609	714
RESOURCES														
5 REGULATED HYDRO	49	49	37	32	28	30	35	37	30	44	72	43	42	57
6 INDEPENDENT HYDRO	67	67	54	38	34	41	49	47	43	53	84	49	51	67
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	116	116	91	70	62	71	84	84	73	97	156	92	93	124
12 SMALL THERMAL & MISC	38	38	29	25	29	33	38	40	25	30	49	29	0	36
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	203	203	203	255	280	305	305	280	255	203	203	203	203	203
19 LARGE THERMAL	348	348	317	304	292	300	314	319	304	291	99	287	311	343
20 NON-UTILITY GENERATION	11	11	8	8	6	7	8	8	8	9	15	9	17	23
21 TOTAL RESOURCES	716	716	648	662	669	716	749	731	665	630	522	620	624	729
22 HYD, SM THRM & MISC RESERVES	-8	-8	-6	-5	-5	-6	-7	-7	-5	-7	-11	-6	-5	-9
23 LARGE THERMAL RESERVES	-52	-52	-47	-45	-44	-45	-47	-48	-45	-43	-15	-43	-46	-51
24 HYDRO MAINTENANCE	-8	-8	0	0	0	0	0	-2	-3	0	0	0	0	-1
25 NET RESOURCES	648	648	595	612	620	665	695	674	612	580	496	571	573	668
26 SURPLUS/DEFICIT	-52	-52	-38	-35	-35	-36	-39	-43	-37	59	-25	-34	-36	-46
27 DEDICATED RESOURCES	383	383	399	418	429	473	501	482	420	380	470	372	405	398
28 BPA PMR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-52	-52	-38	-35	-35	-36	-39	-43	-37	59	-25	-34	-36	-46
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-52	-52	-38	-35	-35	-36	-39	-43	-37	59	-25	-34	-36	-46

TABLE U-2

MONTANA POWER COMPANY
REGIONAL LOADS AND RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

M E D I U M L O A D S

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	411	411	406	415	423	498	525	510	440	402	402	388	385	421
2 EXPORTS	111	111	111	111	111	111	111	111	111	111	111	111	111	111
3 CONTRACTS OUT	94	94	94	94	94	94	94	94	94	0	0	94	94	94
4 TOTAL LOADS	616	616	611	620	628	703	730	715	645	513	513	593	590	626
RESOURCES														
5 REGULATED HYDRO	58	58	57	61	59	71	75	72	59	59	84	58	57	58
6 INDEPENDENT HYDRO	67	67	68	59	60	78	85	78	68	69	99	63	68	66
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	125	125	125	120	119	149	160	150	127	128	183	121	125	124
12 SMALL THERMAL & MISC	37	37	36	39	52	64	68	66	55	55	78	53	14	51
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	100	100	100	100	100	100	100	100	100	100	100	100	100	100
19 LARGE THERMAL	346	346	342	351	348	376	386	383	354	313	115	310	343	344
20 NON-UTILITY GENERATION	23	23	23	25	24	29	30	30	25	25	36	24	23	23
21 TOTAL RESOURCES	631	631	626	635	643	718	744	729	661	621	512	608	605	642
22 HYD. SM THRM & MISC RESERVES	-9	-9	-9	-9	-10	-12	-13	-12	-10	-10	-15	-10	-8	-10
23 LARGE THERMAL RESERVES	-52	-52	-51	-52	-52	-56	-58	-57	-53	-47	-17	-47	-51	-51
24 HYDRO MAINTENANCE	-8	-8	0	0	0	0	0	-3	-5	0	0	0	0	-1
25 NET RESOURCES	562	562	566	574	581	650	673	657	593	564	480	551	546	579
26 SURPLUS/DEFICIT	-54	-54	-45	-46	-47	-53	-57	-58	-52	51	-33	-42	-44	-47
27 DEDICATED RESOURCES	373	373	370	376	385	451	474	461	400	361	453	350	385	384
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-54	-54	-45	-46	-47	-53	-57	-58	-52	51	-33	-42	-44	-47
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-54	-54	-45	-46	-47	-53	-57	-58	-52	51	-33	-42	-44	-47

TABLE U-2

MONTANA POWER COMPANY
REGIONAL LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

2003- 4 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	413	413	413	418	429	508	534	524	451	412	412	399	391	431
2 EXPORTS	111	111	111	111	111	111	111	111	111	111	111	111	111	111
3 CONTRACTS OUT	94	94	94	94	94	94	94	94	94	0	0	94	94	94
4 TOTAL LOADS	618	618	618	623	634	713	739	729	656	523	523	604	596	636
RESOURCES														
5 REGULATED HYDRO	74	74	77	81	77	90	93	92	78	80	107	79	77	77
6 INDEPENDENT HYDRO	85	85	92	78	81	100	108	99	90	94	125	89	94	90
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	159	159	169	159	158	190	201	191	168	174	232	168	171	167
12 SMALL THERMAL & MISC	65	65	49	52	69	81	85	85	73	75	99	73	19	68
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	380	380	385	395	390	420	430	430	398	348	146	345	389	386
20 NON-UTILITY GENERATION	29	29	31	33	32	37	38	38	33	35	46	34	32	31
21 TOTAL RESOURCES	633	633	634	639	649	728	754	744	672	632	523	620	611	652
22 HYD, SM THRM & MISC RESERVES	-13	-13	-12	-12	-13	-15	-16	-16	-14	-14	-19	-14	-11	-13
23 LARGE THERMAL RESERVES	-57	-57	-58	-59	-58	-63	-64	-64	-59	-52	-22	-52	-58	-58
24 HYDRO MAINTENANCE	-10	-10	0	0	0	0	0	-4	-7	0	0	0	0	-2
25 NET RESOURCES	553	553	564	568	578	650	674	660	592	566	482	554	541	579
26 SURPLUS/DEFICIT	-65	-65	-54	-55	-56	-63	-65	-69	-64	43	-41	-50	-55	-57
27 DEDICATED RESOURCES	365	365	364	366	378	448	471	461	398	357	447	346	390	382
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-65	-65	-54	-55	-56	-63	-65	-69	-64	43	-41	-50	-55	-57
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-65	-65	-54	-55	-56	-63	-65	-69	-64	43	-41	-50	-55	-57

TABLE U-3

PACIFIC POWER & LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	2723	2723	2632	2986	3274	3608	3763	3742	3422	3218	3218	2803	2635	2747
2 EXPORTS	570	570	507	518	550	570	574	549	546	523	523	532	540	587
3 CONTRACTS OUT	200	200	200	200	200	200	200	200	200	200	200	200	200	200
4 TOTAL LOADS	3493	3493	3339	3704	4024	4378	4537	4491	4168	3941	3941	3535	3375	3534
RESOURCES														
5 REGULATED HYDRO	957	932	947	927	910	902	888	895	901	899	911	697	936	928
6 INDEPENDENT HYDRO	351	351	347	348	346	374	362	374	373	374	374	372	362	348
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-19	-19	-19	-19	-19	-19	-19	-19	-19	-16	-16	-16	-16	-16
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1289	1264	1275	1256	1237	1257	1231	1250	1255	1257	1269	1053	1282	1260
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	67	67	67	67	67	67	67	67	67	57	57	57	57	57
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	1400	1400	1014	1174	1066	1280	1301	1321	1378	1095	1095	1560	1519	1365
18 CONTRACTS IN	1515	1515	1544	1610	1664	1718	1692	1648	1619	1586	1586	1496	1514	1530
19 LARGE THERMAL	767	767	768	768	768	768	768	768	768	768	622	457	768	768
20 NON-UTILITY GENERATION	51	51	50	48	51	52	34	55	50	54	54	64	53	52
21 TOTAL RESOURCES	5089	5064	4718	4923	4853	5142	5093	5109	5137	4817	4683	4687	5193	5032
22 HYD.SM THRM & MISC RESERVES	-68	-67	-67	-66	-65	-66	-64	-66	-66	-66	-67	-57	-67	-66
23 LARGE THERMAL RESERVES	-325	-325	-267	-291	-275	-307	-310	-313	-322	-279	-258	-303	-343	-320
24 HYDRO MAINTENANCE	-175	-157	-80	-53	-29	-23	-23	-31	-53	-77	-88	-92	-103	-247
25 NET RESOURCES	4521	4515	4304	4513	4484	4746	4696	4699	4696	4395	4270	4235	4680	4399
26 SURPLUS/DEFICIT	1028	1022	965	809	460	368	159	208	528	454	329	700	1305	865
27 DEDICATED RESOURCES	4794	4769	4394	4533	4410	4645	4622	4682	4738	4445	4311	4405	4893	4716
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	1028	1022	965	809	460	368	159	208	528	454	329	700	1305	865
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-164	-180	-188	-187	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	1028	1022	965	809	296	188	-29	21	528	454	329	700	1305	865

TABLE U-3

PACIFIC POWER & LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	2962	2962	2864	3252	3566	3938	4087	4075	3728	3502	3502	3049	2866	2987
2 EXPORTS	494	494	430	441	453	474	479	454	450	448	448	457	465	512
3 CONTRACTS OUT	200	200	200	200	200	200	200	200	200	200	200	200	200	200
4 TOTAL LOADS	3656	3656	3494	3893	4219	4612	4766	4729	4378	4150	4150	3706	3531	3699
RESOURCES														
5 REGULATED HYDRO	959	935	956	944	927	919	904	912	917	914	926	719	958	949
6 INDEPENDENT HYDRO	351	351	347	348	346	374	362	374	373	374	374	372	362	348
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-10	-10	-10	-10	-10	-10	-10	-10	-10	-6	-6	-6	-6	-6
9 CAN. ENT. RETURN (CANADA)	-5	-5	-5	-5	-5	-5	-5	-5	-5	-22	-22	-22	-22	-22
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1295	1271	1288	1277	1258	1278	1251	1271	1275	1260	1272	1063	1292	1269
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	42	42	42	42	42	42	42	42	42	20	20	20	20	20
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	1172	1172	690	699	587	1047	1063	1103	941	881	881	1349	1307	1151
18 CONTRACTS IN	153	153	182	248	465	519	493	449	339	303	303	132	150	166
19 LARGE THERMAL	767	767	768	768	767	768	768	768	768	768	622	457	457	768
20 NON-UTILITY GENERATION	51	51	49	48	51	51	34	55	50	54	54	64	53	52
21 TOTAL RESOURCES	3480	3456	3019	3082	3170	3705	3651	3688	3415	3286	3152	3085	3279	3426
22 HYD, SM THRM & MISC RESERVES	-68	-67	-68	-67	-66	-67	-65	-67	-67	-67	-68	-58	-69	-67
23 LARGE THERMAL RESERVES	-291	-291	-218	-220	-203	-272	-274	-280	-256	-247	-225	-271	-265	-288
24 HYDRO MAINTENANCE	-175	-157	-80	-53	-29	-23	-23	-31	-53	-77	-88	-92	-103	-247
25 NET RESOURCES	2946	2941	2653	2742	2872	3343	3289	3310	3039	2895	2771	2664	2842	2824
26 SURPLUS/DEFICIT	-710	-715	-841	-1151	-1347	-1269	-1477	-1419	-1339	-1255	-1379	-1042	-689	-875
27 DEDICATED RESOURCES	3345	3321	2855	2852	2887	3368	3340	3421	3176	3075	2941	2963	3139	3270
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-710	-715	-841	-1151	-1347	-1269	-1477	-1419	-1339	-1255	-1379	-1042	-689	-875
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-178	-197	-204	-204	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-710	-715	-841	-1151	-1525	-1466	-1681	-1623	-1339	-1255	-1379	-1042	-689	-875

TABLE U-3

PACIFIC POWER & LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	3217	3217	3121	3541	3867	4261	4402	4400	4027	3786	3786	3295	3097	3229
2 EXPORTS	503	503	437	450	463	485	489	463	459	456	456	466	475	522
3 CONTRACTS OUT	200	200	200	200	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	3920	3920	3758	4191	4330	4746	4891	4863	4486	4242	4242	3761	3572	3751
RESOURCES														
5 REGULATED HYDRO	959	935	956	944	927	919	904	912	917	914	926	719	958	949
6 INDEPENDENT HYDRO	351	351	347	348	346	374	362	374	373	374	374	372	362	348
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1271	1247	1264	1253	1234	1254	1227	1247	1251	1249	1261	1052	1281	1258
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	1036	1036	662	823	1050	906	915	955	1016	741	741	1213	1167	1007
18 CONTRACTS IN	30	30	59	125	342	396	370	326	216	188	188	17	35	51
19 LARGE THERMAL	768	768	768	768	767	768	768	768	768	768	622	457	768	768
20 NON-UTILITY GENERATION	51	51	49	48	51	51	34	55	50	54	54	64	53	52
21 TOTAL RESOURCES	3156	3132	2802	3017	3444	3375	3314	3351	3301	3000	2866	2803	3304	3136
22 HYD, SM THRM & MISC RESERVES	-68	-67	-68	-67	-66	-67	-65	-67	-67	-67	-68	-58	-69	-67
23 LARGE THERMAL RESERVES	-270	-270	-214	-238	-272	-251	-252	-258	-267	-226	-204	-251	-290	-266
24 HYDRO MAINTENANCE	-175	-157	-80	-53	-29	-23	-23	-31	-53	-77	-88	-92	-103	-247
25 NET RESOURCES	2643	2638	2440	2659	3077	3034	2974	2995	2914	2630	2506	2402	2842	2556
26 SURPLUS/DEFICIT	-1277	-1282	-1318	-1532	-1253	-1712	-1917	-1868	-1572	-1612	-1736	-1359	-730	-1195
27 DEDICATED RESOURCES	3124	3100	2741	2890	3264	3141	3106	3187	3165	2892	2758	2784	3267	3083
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-1277	-1282	-1318	-1532	-1253	-1712	-1917	-1868	-1572	-1612	-1736	-1359	-730	-1195
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-193	-213	-220	-220	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-1277	-1282	-1318	-1532	-1446	-1925	-2137	-2088	-1572	-1612	-1736	-1359	-730	-1195

TABLE U-4

PORTLAND GENERAL ELECTRIC
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	2648	2648	2489	2813	3075	3316	3530	3154	3000	2861	2861	2646	2439	2528
2 EXPORTS	395	395	395	170	170	170	170	170	170	170	170	170	395	395
3 CONTRACTS OUT	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4 TOTAL LOADS	3046	3046	2887	2986	3248	3489	3703	3327	3173	3034	3034	2819	2837	2926
RESOURCES														
5 REGULATED HYDRO	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215
6 INDEPENDENT HYDRO	36	36	36	36	36	36	36	36	36	36	36	36	36	35
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-27	-27	-27	-27	-27	-27	-27	-27	-27	-22	-22	-22	-22	-22
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1224	1224	1224	1224	1224	1224	1224	1224	1224	1229	1229	1229	1229	1228
12 SMALL THERMAL & MISC	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13 COMBUSTION TURBINES	596	596	605	620	637	645	650	644	636	624	624	614	605	596
14 CSPE PURCHASE	117	117	117	117	117	117	117	117	117	101	101	101	101	101
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	225	225	225	225	225	0	0	0	0	0
18 CONTRACTS IN	184	184	184	184	298	298	298	298	216	206	206	124	174	174
19 LARGE THERMAL	652	652	652	652	652	652	652	652	652	652	362	306	652	652
20 NON-UTILITY GENERATION	25	25	26	29	37	40	39	38	37	38	38	36	31	26
21 TOTAL RESOURCES	2804	2804	2814	2832	3196	3207	3211	3204	2888	2856	2566	2416	2798	2783
22 HYD, SM THRM & MISC RESERVES	-94	-94	-94	-95	-96	-97	-97	-97	-97	-96	-96	-95	-95	-94
23 LARGE THERMAL RESERVES	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-54	-46	-98	-98
24 HYDRO MAINTENANCE	-179	-184	-138	-77	-30	-26	-23	-32	-69	-81	-89	-115	-119	-151
25 NET RESOURCES	2433	2428	2484	2562	2972	2986	2993	2977	2624	2581	2327	2160	2486	2440
26 SURPLUS/DEFICIT	-613	-618	-403	-424	-276	-503	-710	-350	-549	-453	-707	-659	-351	-486
27 DEDICATED RESOURCES	1512	1512	1513	1515	1742	1743	1744	1743	1517	1494	1494	1476	1492	1490
28 BPA PWR SLE CNTRCT PURCH	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 SURPLUS/DEFICIT W/PURCHASE	-463	-468	-253	-274	-126	-353	-560	-200	-399	-303	-557	-509	-201	-336
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-430	-464	-494	-442	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-463	-468	-253	-274	-556	-817	-1054	-642	-399	-303	-557	-509	-201	-336

TABLE U-4

PORTLAND GENERAL ELECTRIC
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	2662	2662	2488	2808	3072	3285	3524	3144	2978	2835	2835	2619	2428	2532
2 EXPORTS	395	395	395	170	170	170	170	170	170	170	170	170	395	395
3 CONTRACTS OUT	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4 TOTAL LOADS	3060	3060	2886	2981	3245	3458	3697	3317	3151	3008	3008	2792	2826	2930

RESOURCES

5 REGULATED HYDRO	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215
6 INDEPENDENT HYDRO	36	36	36	36	36	36	36	36	36	36	36	36	36	35
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-15	-15	-15	-15	-15	-15	-15	-15	-15	-8	-8	-8	-8	-8
9 CAN. ENT. RETURN (CANADA)	-5	-5	-5	-5	-5	-5	-5	-5	-5	-31	-31	-31	-31	-31
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1231	1231	1231	1231	1231	1231	1231	1231	1231	1212	1212	1212	1212	1211
12 SMALL THERMAL & MISC	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13 COMBUSTION TURBINES	903	903	905	909	913	915	916	915	913	510	510	507	905	903
14 CSPE PURCHASE	73	73	73	73	73	73	73	73	73	35	35	35	35	35
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	240	240	240	240	240	240	240	240	240	0	0	240	240	240
17 IMPORTS	0	0	0	0	225	225	225	225	0	0	0	0	0	0
18 CONTRACTS IN	80	80	80	80	194	194	194	194	112	98	98	16	66	66
19 LARGE THERMAL	652	652	652	652	652	652	652	652	652	652	362	306	635	652
20 NON-UTILITY GENERATION	25	25	26	29	37	40	39	38	37	38	38	36	31	26
21 TOTAL RESOURCES	3210	3210	3213	3220	3571	3576	3576	3574	3264	2551	2261	2358	3130	3139
22 HYD, SM THRM & MISC RESERVES	-121	-121	-121	-122	-122	-123	-123	-122	-122	-90	-90	-102	-122	-121
23 LARGE THERMAL RESERVES	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-54	-46	-95	-98
24 HYDRO MAINTENANCE	-179	-184	-138	-77	-30	-26	-23	-32	-69	-81	-89	-115	-119	-151
25 NET RESOURCES	2812	2807	2856	2923	3321	3329	3332	3322	2975	2282	2028	2095	2794	2769
26 SURPLUS/DEFICIT	-248	-253	-30	-58	76	-129	-365	5	-176	-726	-980	-697	-32	-161
27 DEDICATED RESOURCES	1738	1738	1739	1739	1964	1964	1964	1964	1739	1366	1366	1589	1651	1666
28 BPA PWR SLE CNTRCT PURCH	150	150	150	150	150	150	150	150	150	150	150	150	150	150
29 SURPLUS/DEFICIT W/PURCHASE	-98	-103	120	92	226	21	-215	155	-26	-576	-830	-547	118	-11
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-430	-460	-494	-440	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-98	-103	120	92	-204	-439	-709	-285	-26	-576	-830	-547	118	-11

TABLE U-4

PORTLAND GENERAL ELECTRIC
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS															
1	SYSTEM LOADS	2809	2809	2608	2939	3195	3446	3708	3303	3128	2986	2986	2767	2587	2705
2	EXPORTS	395	395	395	170	170	170	170	170	170	170	170	170	395	395
3	CONTRACTS OUT	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	TOTAL LOADS	3207	3207	3006	3112	3368	3619	3881	3476	3301	3159	3159	2940	2985	3103
RESOURCES															
5	REGULATED HYDRO	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215	1215
6	INDEPENDENT HYDRO	36	36	36	36	36	36	36	36	36	36	36	36	36	35
7	MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	CAN. ENT. RETURN (CANADA)	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57
10	RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL HYDRO	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1194	1193
12	SMALL THERMAL & MISC	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13	COMBUSTION TURBINES	903	903	905	909	913	915	916	915	913	510	510	507	905	903
14	CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	COGENERATION	240	240	240	240	240	240	240	240	240	0	0	240	240	240
17	IMPORTS	0	0	0	0	225	225	225	225	0	0	0	0	0	0
18	CONTRACTS IN	50	50	50	50	164	164	164	164	82	82	82	0	50	50
19	LARGE THERMAL	652	652	652	652	652	652	652	652	652	652	362	306	652	652
20	NON-UTILITY GENERATION	25	25	26	29	37	40	39	38	37	38	38	36	31	26
21	TOTAL RESOURCES	3070	3070	3073	3080	3431	3436	3436	3434	3124	2482	2192	2289	3078	3070
22	HYD, SM THRM & MISC RESERVES	-121	-121	-121	-122	-122	-123	-123	-122	-122	-90	-90	-102	-122	-121
23	LARGE THERMAL RESERVES	-98	-98	-98	-98	-98	-98	-98	-98	-98	-98	-54	-46	-98	-98
24	HYDRO MAINTENANCE	-179	-184	-138	-77	-30	-26	-23	-32	-69	-81	-89	-115	-119	-151
25	NET RESOURCES	2672	2667	2716	2783	3181	3189	3192	3182	2835	2213	1959	2026	2739	2700
26	SURPLUS/DEFICIT	-535	-540	-290	-329	-187	-430	-689	-294	-466	-946	-1200	-914	-246	-403
27	DEDICATED RESOURCES	1598	1598	1599	1599	1824	1824	1824	1824	1599	1297	1297	1520	1599	1597
28	BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	SURPLUS/DEFICIT W/PURCHASE	-535	-540	-290	-329	-187	-430	-689	-294	-466	-946	-1200	-914	-246	-403
30	EXTREME WEATHER ADJUSTMENT	0	0	0	0	-447	-483	-519	-463	0	0	0	0	0	0
31	SURPLUS/DEFICIT W/EXTRM WX	-535	-540	-290	-329	-634	-913	-1208	-757	-466	-946	-1200	-914	-246	-403

TABLE U-5

PUGET SOUND POWER & LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	2423	2423	2630	3379	3656	4151	4321	4243	3919	3520	3520	3055	2864	2484
2 EXPORTS	300	300	300	0	0	0	0	0	0	0	0	0	300	300
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	2723	2723	2930	3379	3656	4151	4321	4243	3919	3520	3520	3055	3164	2784
RESOURCES														
5 REGULATED HYDRO	1791	1791	1792	1791	1786	1776	1751	1735	1733	1728	1731	1630	1787	1791
6 INDEPENDENT HYDRO	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-39	-39	-39	-39	-39	-39	-39	-39	-39	-33	-33	-33	-33	-33
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1824	1824	1825	1824	1819	1809	1784	1768	1766	1767	1770	1669	1826	1830
12 SMALL THERMAL & MISC	0	0	0	0	89	89	89	89	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	698	698	698	698	0	0	0	0	0	0
14 CSPE PURCHASE	116	116	116	116	116	116	116	116	116	101	101	101	101	101
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	4	4	4	4	304	304	304	304	4	4	4	4	4	4
18 CONTRACTS IN	562	562	562	863	953	957	957	955	905	499	499	551	550	550
19 LARGE THERMAL	824	824	824	824	824	824	824	824	824	665	462	593	824	824
20 NON-UTILITY GENERATION	712	712	712	712	712	712	712	712	712	712	712	167	552	712
21 TOTAL RESOURCES	4042	4042	4043	4343	5515	5509	5484	5466	4327	3748	3548	3085	3857	4021
22 HYD, SM THRM & MISC RESERVES	-129	-129	-129	-129	-168	-167	-166	-165	-126	-125	-126	-93	-121	-129
23 LARGE THERMAL RESERVES	-123	-123	-123	-123	-123	-123	-123	-123	-123	-100	-69	-89	-123	-123
24 HYDRO MAINTENANCE	-130	-134	-95	-63	-32	-34	-24	-25	-116	-151	-144	-92	-58	-100
25 NET RESOURCES	3660	3656	3696	4028	5192	5185	5171	5153	3962	3372	3209	2811	3555	3669
26 SURPLUS/DEFICIT	937	933	766	649	1536	1034	850	910	43	-148	-311	-244	391	885
27 DEDICATED RESOURCES	2605	2605	2606	2605	2962	2952	2927	2911	2547	2362	2479	2192	2580	2584
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	937	933	766	649	1536	1034	850	910	43	-148	-311	-244	391	885
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-585	-664	-691	-679	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	937	933	766	649	951	370	159	231	43	-148	-311	-244	391	885

TABLE U-5

**PUGET SOUND POWER & LIGHT
LOADS AND RESOURCES**

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS															
1	SYSTEM LOADS	2691	2691	2922	3752	4060	4610	4746	4661	4304	3868	3868	3357	3145	2728
2	EXPORTS	300	300	300	0	0	0	0	0	0	0	0	0	300	300
3	CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	TOTAL LOADS	2991	2991	3222	3752	4060	4610	4746	4661	4304	3868	3868	3357	3445	3028
RESOURCES															
5	REGULATED HYDRO	1791	1791	1792	1791	1786	1776	1751	1734	1734	1729	1730	1630	1786	1791
6	INDEPENDENT HYDRO	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7	MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	CAN. ENT. RETURN (CSPE)	-24	-24	-24	-24	-24	-24	-24	-24	-24	-11	-11	-11	-11	-11
9	CAN. ENT. RETURN (CANADA)	-9	-9	-9	-9	-9	-9	-9	-9	-9	-47	-47	-47	-47	-47
10	RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL HYDRO	1830	1830	1831	1830	1825	1815	1790	1773	1773	1743	1744	1644	1800	1805
12	SMALL THERMAL & MISC	0	0	0	0	89	89	89	89	0	0	0	0	0	0
13	COMBUSTION TURBINES	0	0	0	0	698	698	698	698	0	0	0	0	0	0
14	CSPE PURCHASE	73	73	73	73	73	73	73	73	73	35	35	35	35	35
15	RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	IMPORTS	4	4	4	4	304	304	304	304	4	4	4	4	4	4
18	CONTRACTS IN	452	452	452	753	843	847	847	845	796	375	375	427	426	426
19	LARGE THERMAL	772	772	772	772	772	772	772	772	772	613	410	567	726	772
20	NON-UTILITY GENERATION	699	699	699	699	699	699	699	699	699	699	699	154	539	699
21	TOTAL RESOURCES	3830	3830	3831	4131	5303	5297	5272	5253	4117	3469	3267	2831	3530	3741
22	HYD, SM THRM & MISC RESERVES	-128	-128	-128	-128	-167	-167	-165	-165	-125	-125	-125	-93	-120	-128
23	LARGE THERMAL RESERVES	-116	-116	-116	-116	-116	-116	-116	-116	-116	-92	-61	-85	-109	-116
24	HYDRO MAINTENANCE	-130	-134	-95	-63	-32	-34	-24	-25	-116	-151	-144	-92	-58	-100
25	NET RESOURCES	3456	3452	3492	3824	4988	4980	4967	4947	3760	3101	2937	2561	3243	3397
26	SURPLUS/DEFICIT	465	461	270	72	928	370	221	286	-544	-767	-931	-796	-202	369
27	DEDICATED RESOURCES	2406	2406	2407	2406	2763	2753	2728	2711	2349	2096	2211	1951	2266	2317
28	BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	SURPLUS/DEFICIT W/PURCHASE	465	461	270	72	928	370	221	286	-544	-767	-931	-796	-202	369
30	EXTREME WEATHER ADJUSTMENT	0	0	0	0	-650	-738	-759	-746	0	0	0	0	0	0
31	SURPLUS/DEFICIT W/EXTRM WX	465	461	270	72	278	-368	-538	-460	-544	-767	-931	-796	-202	369

TABLE U-5

PUGET SOUND POWER & LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12.19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	2921	2921	3169	4071	4404	5000	5121	5029	4645	4172	4172	3621	3393	2944
2 EXPORTS	300	300	300	0	0	0	0	0	0	0	0	0	300	300
3 CONTRACTS OUT	300	300	300	300	0	0	0	0	0	0	0	0	0	300
4 TOTAL LOADS	3521	3521	3769	4371	4404	5000	5121	5029	4645	4172	4172	3621	3693	3544
RESOURCES														
5 REGULATED HYDRO	1652	1653	1654	1653	1645	1636	1606	1595	1593	1590	1592	1483	1645	1618
6 INDEPENDENT HYDRO	72	72	72	72	72	72	72	72	72	72	72	72	72	72
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1639	1640	1641	1640	1632	1623	1593	1582	1580	1577	1579	1470	1632	1605
12 SMALL THERMAL & MISC	0	0	0	0	89	89	89	89	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	698	698	698	698	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	4	4	4	4	304	304	304	304	4	4	4	4	4	4
18 CONTRACTS IN	298	298	298	298	480	480	480	480	139	45	45	98	98	98
19 LARGE THERMAL	772	772	772	772	772	772	772	772	772	613	410	567	772	772
20 NON-UTILITY GENERATION	699	699	699	699	699	699	699	699	699	699	699	154	539	699
21 TOTAL RESOURCES	3412	3413	3414	3413	4674	4665	4635	4624	3194	2938	2737	2293	3045	3178
22 HYD, SM THRM & MISC RESERVES	-121	-121	-121	-121	-160	-160	-158	-158	-118	-118	-118	-85	-113	-119
23 LARGE THERMAL RESERVES	-116	-116	-116	-116	-116	-116	-116	-116	-116	-92	-61	-85	-116	-116
24 HYDRO MAINTENANCE	-130	-134	-95	-63	-32	-34	-24	-25	-116	-151	-144	-92	-58	-100
25 NET RESOURCES	3045	3042	3082	3113	4366	4355	4337	4325	2844	2577	2414	2031	2758	2843
26 SURPLUS/DEFICIT	-476	-479	-687	-1258	-38	-645	-784	-704	-1801	-1595	-1758	-1590	-935	-701
27 DEDICATED RESOURCES	2094	2095	2096	2095	2449	2440	2410	2399	2035	1873	1989	1720	2087	2060
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-476	-479	-687	-1258	-38	-645	-784	-704	-1801	-1595	-1758	-1590	-935	-701
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-705	-800	-819	-805	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-476	-479	-687	-1258	-743	-1445	-1603	-1509	-1801	-1595	-1758	-1590	-935	-701

TABLE U-6

UTAH POWER & LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1993 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	345	345	265	244	243	279	253	267	234	162	162	196	405	485
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	345	345	265	244	243	279	253	267	234	162	162	196	405	485
RESOURCES														
5 REGULATED HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	345	345	265	244	243	279	253	267	234	162	162	196	405	485
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	345	345	265	244	243	279	253	267	234	162	162	196	405	485
22 HYD. SM THRM & MISC RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 NET RESOURCES	345	345	265	244	243	279	253	267	234	162	162	196	405	485
26 SURPLUS/DEFICIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 DEDICATED RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE U-6

UTAH POWER & LIGHT LOADS AND RESOURCES														
M E D I U M L O A D S														
1998-99 OPERATING YEAR														
1993 WHITEBOOK: 12/19/93 RUN DATE: 01/19/94														
1930 WATER YEAR PEAK IN MEGAWATTS														
 														
1993 WHITEBOOK: 12/19/93 RUN DATE: 01/19/94														

TABLE U-6

UTAH POWER & LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	407	407	327	304	311	353	315	328	293	207	207	241	478	557
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	407	407	327	304	311	353	315	328	293	207	207	241	478	557
RESOURCES														
5 REGULATED HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	407	407	327	304	311	353	315	328	293	207	207	241	478	557
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	407	407	327	304	311	353	315	328	293	207	207	241	478	557
22 HYD, SM THRM & MISC RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 NET RESOURCES	407	407	327	304	311	353	315	328	293	207	207	241	478	557
26 SURPLUS/DEFICIT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 DEDICATED RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE U-7

WASHINGTON WATER POWER
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	1135	1135	1129	1282	1375	1454	1565	1549	1342	1229	1229	1146	1119	1122
2 EXPORTS	150	150	150	0	0	0	0	0	0	0	0	150	150	150
3 CONTRACTS OUT	267	267	267	267	268	268	268	268	267	267	267	267	267	267
4 TOTAL LOADS	1552	1552	1546	1549	1643	1722	1833	1817	1609	1496	1496	1563	1536	1539
RESOURCES														
5 REGULATED HYDRO	1180	1172	1177	1179	1176	1168	1146	1123	1118	1127	1129	1117	1168	1157
6 INDEPENDENT HYDRO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7	-7	-7	-7	-7
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1173	1165	1170	1172	1169	1161	1139	1116	1111	1121	1123	1111	1162	1151
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	238	238	238	268	268	268	268	268	268	238	238	238	238	238
14 CSPE PURCHASE	33	33	33	33	33	33	33	33	33	29	29	29	29	29
15 RENEWABLES	47	47	47	47	47	47	47	47	47	47	47	47	0	47
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	150	150	150	150	150	0	0	0	0	0
18 CONTRACTS IN	146	146	171	171	253	228	228	228	187	185	185	144	144	144
19 LARGE THERMAL	414	414	414	414	414	414	414	414	414	414	196	316	414	414
20 NON-UTILITY GENERATION	66	66	67	67	68	70	70	72	73	74	74	48	49	69
21 TOTAL RESOURCES	2117	2109	2140	2172	2402	2371	2349	2328	2283	2108	1892	1933	2036	2092
22 HYD,SM THRM & MISC RESERVES	-77	-76	-77	-78	-78	-78	-77	-76	-75	-74	-74	-73	-73	-76
23 LARGE THERMAL RESERVES	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62	-29	-47	-62	-62
24 HYDRO MAINTENANCE	-168	-157	-141	-95	-36	-22	-9	-174	-149	-77	-50	-19	-13	-70
25 NET RESOURCES	1810	1814	1860	1937	2226	2209	2201	2016	1997	1895	1739	1794	1888	1884
26 SURPLUS/DEFICIT	258	262	314	388	583	487	368	199	388	399	243	231	352	345
27 DEDICATED RESOURCES	1532	1524	1554	1556	1552	1519	1497	1474	1470	1474	1476	1366	1515	1504
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	258	262	314	388	583	487	368	199	388	399	243	231	352	345
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-234	-247	-266	-263	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	258	262	314	388	349	240	102	-64	388	399	243	231	352	345

TABLE U-7

WASHINGTON WATER POWER
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	1171	1171	1154	1294	1380	1454	1568	1555	1350	1239	1239	1160	1143	1150
2 EXPORTS	150	150	150	0	0	0	0	0	0	0	0	150	150	150
3 CONTRACTS OUT	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 TOTAL LOADS	1421	1421	1404	1394	1480	1554	1668	1655	1450	1339	1339	1410	1393	1400
RESOURCES														
5 REGULATED HYDRO	1146	1137	1143	1150	1151	1144	1123	1101	1096	1105	1106	1128	1155	1157
6 INDEPENDENT HYDRO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-5	-5	-5	-5	-5	-5	-5	-5	-5	-2	-2	-2	-2	-2
9 CAN. ENT. RETURN (CANADA)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11	-11	-11	-11	-11
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1141	1132	1138	1145	1146	1139	1118	1096	1091	1093	1094	1116	1143	1145
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	238	238	238	268	268	268	268	268	268	238	238	238	238	238
14 CSPE PURCHASE	21	21	21	21	21	21	21	21	21	10	10	10	10	10
15 RENEWABLES	47	47	47	47	47	47	47	47	47	47	47	47	47	47
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	150	150	150	150	150	0	0	0	0	0
18 CONTRACTS IN	60	60	60	60	142	142	142	142	101	95	95	54	54	54
19 LARGE THERMAL	414	414	414	414	414	414	414	414	414	414	196	316	316	414
20 NON-UTILITY GENERATION	66	66	67	67	68	70	70	71	73	74	74	48	49	68
21 TOTAL RESOURCES	1987	1978	1985	2022	2256	2251	2230	2209	2165	1971	1754	1829	1810	1976
22 HYD, SM THRM & MISC RESERVES	-75	-75	-75	-77	-77	-76	-76	-74	-74	-73	-73	-73	-72	-76
23 LARGE THERMAL RESERVES	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62	-29	-47	-47	-62
24 HYDRO MAINTENANCE	-168	-157	-141	-95	-36	-22	-9	-174	-149	-77	-50	-19	-13	-70
25 NET RESOURCES	1682	1684	1707	1788	2081	2091	2083	1899	1880	1759	1602	1690	1678	1768
26 SURPLUS/DEFICIT	261	263	303	394	601	537	415	244	430	420	263	280	285	368
27 DEDICATED RESOURCES	1486	1477	1483	1490	1491	1484	1463	1441	1436	1421	1422	1346	1373	1473
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	261	263	303	394	601	537	415	244	430	420	263	280	285	368
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-235	-247	-267	-264	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	261	263	303	394	366	290	148	-20	430	420	263	280	285	368

TABLE U-7

WASHINGTON WATER POWER
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS															
1	SYSTEM LOADS	1179	1179	1163	1306	1401	1482	1599	1581	1374	1258	1258	1176	1156	1164
2	EXPORTS	150	150	150	0	0	0	0	0	0	0	0	150	150	150
3	CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	TOTAL LOADS	1329	1329	1313	1306	1401	1482	1599	1581	1374	1258	1258	1326	1306	1314
RESOURCES															
5	REGULATED HYDRO	1146	1137	1143	1150	1151	1144	1123	1101	1096	1105	1106	1128	1155	1157
6	INDEPENDENT HYDRO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	CAN. ENT. RETURN (CANADA)	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19
10	RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL HYDRO	1128	1119	1125	1132	1133	1126	1105	1083	1078	1087	1088	1110	1137	1139
12	SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	COMBUSTION TURBINES	238	238	238	268	268	268	268	268	268	238	238	238	238	238
14	CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RENEWABLES	47	47	47	47	47	47	47	47	47	47	47	47	47	47
16	COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	IMPORTS	0	0	0	0	150	150	150	150	150	0	0	0	0	0
18	CONTRACTS IN	50	50	50	50	132	132	132	132	91	91	91	50	50	50
19	LARGE THERMAL	414	414	414	414	414	414	414	414	414	414	196	316	414	414
20	NON-UTILITY GENERATION	7	7	8	8	9	11	11	12	14	15	15	13	14	6
21	TOTAL RESOURCES	1884	1875	1882	1919	2153	2148	2127	2106	2062	1892	1675	1774	1853	1894
22	HYD, SM THRM & MISC RESERVES	-72	-72	-72	-74	-74	-73	-73	-71	-71	-70	-70	-71	-70	-73
23	LARGE THERMAL RESERVES	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62	-29	-47	-62	-62
24	HYDRO MAINTENANCE	-168	-157	-141	-95	-36	-22	-9	-174	-149	-77	-50	-19	-13	-70
25	NET RESOURCES	1582	1584	1607	1688	1981	1991	1983	1799	1780	1683	1526	1637	1708	1689
26	SURPLUS/DEFICIT	253	255	294	382	580	509	384	218	406	425	268	311	402	375
27	DEDICATED RESOURCES	1442	1433	1439	1446	1447	1440	1419	1397	1392	1401	1402	1326	1451	1453
28	BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	SURPLUS/DEFICIT W/PURCHASE	253	255	294	382	580	509	384	218	406	425	268	311	402	375
30	EXTREME WEATHER ADJUSTMENT	0	0	0	0	-238	-252	-272	-269	0	0	0	0	0	0
31	SURPLUS/DEFICIT W/EXTRM WX	253	255	294	382	342	257	112	-51	406	425	268	311	402	375

TABLE D-8

CHELAN COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	200	200	202	238	259	274	280	265	251	233	233	212	198	206
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	52	52	52	52	2	2	2	2	2	2	2	2	52	52
4 TOTAL LOADS	252	252	254	290	261	276	282	267	253	235	235	214	250	258
RESOURCES														
5 REGULATED HYDRO	230	230	232	237	239	239	239	239	239	239	239	235	232	265
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	223	223	225	230	232	232	232	232	232	233	233	229	226	259
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	7	7	7	7	7	7	7	7	7	6	6	6	6	6
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	20	20	20	20	20	20	20	20	20	18	18	18	18	18
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	250	250	252	257	259	259	259	259	259	257	257	253	250	283
22 HYD. SM THRM & MISC RESERVES	-11	-11	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-13
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-14	-14	-10	-10	-4	-4	0	0	-12	-15	-16	-18	-12	-15
25 NET RESOURCES	225	225	230	235	243	243	247	247	235	230	229	223	226	255
26 SURPLUS/DEFICIT	-27	-27	-24	-55	-18	-33	-35	-20	-18	-5	-6	9	-24	-3
27 DEDICATED RESOURCES	320	324	327	332	330	331	327	333	331	331	331	319	325	363
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-27	-27	-24	-55	-18	-33	-35	-20	-18	-5	-6	9	-24	-3
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-34	-36	-37	-34	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-27	-27	-24	-55	-52	-69	-72	-54	-18	-5	-6	9	-24	-3
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	34	36	37	34	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	-27	-27	-24	-55	-18	-33	-35	-20	-18	-5	-6	9	-24	-3

TABLE U-8

CHELAN COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	227	227	229	269	290	307	322	303	284	261	261	236	220	227
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	52	52	52	52	2	2	2	2	2	2	2	2	52	52
4 TOTAL LOADS	279	279	281	321	292	309	324	305	286	263	263	238	272	279
RESOURCES														
5 REGULATED HYDRO	265	265	265	264	264	263	262	261	262	261	262	224	243	265
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-4	-4	-4	-4	-4	-4	-4	-4	-4	-2	-2	-2	-2	-2
9 CAN. ENT. RETURN (CANADA)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-8	-8	-8	-8	-8
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	260	260	260	259	259	258	257	256	257	251	252	214	233	255
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	4	4	4	4	4	4	4	4	4	2	2	2	2	2
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	14	14	14	14	14	14	14	14	14	10	10	10	10	10
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	278	278	278	277	277	276	275	274	275	263	264	226	245	267
22 HYD,SM THRM & MISC RESERVES	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-11	-12	-13
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-14	-14	-10	-10	-4	-4	0	0	-12	-15	-16	-18	-12	-15
25 NET RESOURCES	251	251	255	254	260	259	262	261	250	235	235	197	221	239
26 SURPLUS/DEFICIT	-28	-28	-26	-67	-32	-50	-62	-44	-36	-28	-28	-41	-51	-40
27 DEDICATED RESOURCES	373	374	375	374	370	369	364	369	367	359	360	312	339	369
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	-28	-28	-26	-67	-32	-50	-62	-44	-36	-28	-28	-41	-51	-40
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-38	-40	-42	-39	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-28	-28	-26	-67	-70	-90	-104	-83	-36	-28	-28	-41	-51	-40
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	38	40	42	39	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTB BPA OB	-28	-28	-26	-67	-32	-50	-62	-44	-36	-28	-28	-41	-51	-40

TABLE U-8

CHELAN COUNTY PUD #1
LOADS AND RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	243	243	246	294	320	342	352	332	311	285	285	257	239	249
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	52	52	52	52	2	2	2	2	2	2	2	2	52	52
4 TOTAL LOADS	295	295	298	346	322	344	354	334	313	287	287	259	291	301
RESOURCES														
5 REGULATED HYDRO	404	403	403	402	405	403	407	400	403	400	400	371	384	438
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	388	387	387	386	389	387	391	384	387	384	384	355	368	422
11 TOTAL HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 COGENERATION	6	6	6	6	6	6	6	6	6	6	6	6	6	6
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	394	393	393	392	395	393	397	390	393	390	390	361	374	428
22 HYD, SM THRM & MISC RESERVES	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-18	-19	-22
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-14	-14	-10	-10	-4	-4	0	0	-12	-15	-16	-18	-12	-15
25 NET RESOURCES	360	359	363	362	371	369	377	370	361	355	354	325	343	391
26 SURPLUS/DEFICIT	65	64	65	16	49	25	23	36	48	68	67	66	52	90
27 DEDICATED RESOURCES	496	496	497	496	495	494	492	492	492	492	493	453	475	531
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	65	64	65	16	49	25	23	36	48	68	67	66	52	90
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-42	-45	-46	-43	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	65	64	65	16	7	-20	-23	-7	48	68	67	66	52	90
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	20	23	7	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFT BPA OB	65	64	65	16	7	0	0	0	48	68	67	66	52	90

TABLE U-9

COMLITZ COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15 16-31	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15 16-30	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	589	589	591	659	705	705	731	710	721	697	697	659	620	591
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	589	589	591	659	705	705	731	710	721	697	697	659	620	591
RESOURCES														
5 REGULATED HYDRO	127	118	129	128	121	117	113	115	121	122	120	43	126	124
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	125	116	127	126	119	115	111	113	119	120	118	41	124	122
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	17	17	17	17	17	17	17	17	17	14	14	14	14	14
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	146	137	148	147	140	136	132	134	140	138	136	59	142	140
22 HYD. SM THRM & MISC RESERVES	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-2	-6	-6
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-37	-21	-19	-9	-7	-5	-5	-7	-11	-13	-10	-11	-12	-29
25 NET RESOURCES	103	110	123	132	127	125	121	121	123	119	120	46	124	105
26 SURPLUS/DEFICIT	-486	-479	-468	-527	-578	-580	-610	-589	-598	-578	-577	-613	-496	-486
27 DEDICATED RESOURCES	146	137	148	147	140	136	132	134	140	138	136	59	142	140
28 BPA PWR SLE CNTRCT PURCH	486	479	468	527	578	580	610	589	598	578	577	613	496	486
29 SURPLUS/DEFICIT W/PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-190	-190	-197	-192	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	0	0	0	-190	-190	-197	-192	0	0	0	0	0	0
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	190	190	197	192	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE U-9

COWLITZ COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	623	623	625	689	724	720	752	729	739	714	714	673	632	614
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	623	623	625	689	724	720	752	729	739	714	714	673	632	614
RESOURCES														
5 REGULATED HYDRO	127	118	129	128	121	117	113	115	121	122	120	43	126	124
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-2	-2	-2	-2	-2	-2	-2	-2	-2	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	-3	-3	-3	-3	-3
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	125	116	127	126	119	115	111	113	119	119	117	40	123	121
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	10	10	10	10	10	10	10	10	10	5	5	5	5	5
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	4	4	4	4	4	4	4	4	4	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	139	130	141	140	133	129	125	127	133	124	122	45	128	126
22 HYD, SM THRM & MISC RESERVES	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-2	-6	-6
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-37	-21	-19	-9	-7	-5	-5	-7	-11	-13	-10	-11	-12	-29
25 NET RESOURCES	96	103	116	125	120	118	114	114	116	105	106	32	110	91
26 SURPLUS/DEFICIT	-527	-520	-509	-564	-604	-602	-638	-615	-623	-609	-608	-641	-522	-523
27 DEDICATED RESOURCES	139	130	141	140	133	129	125	127	133	124	122	45	128	126
28 BPA PWR SLE CNTRCT PURCH	527	520	509	564	604	602	638	615	623	609	608	641	522	523
29 SURPLUS/DEFICIT W/PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-196	-194	-203	-197	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	0	0	0	-196	-194	-203	-197	0	0	0	0	0	0
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	196	194	203	197	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFR BPA OB	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE U-9

COWLITZ COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	651	651	653	726	766	764	786	762	775	751	751	708	667	651
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	651	651	653	726	766	764	786	762	775	751	751	708	667	651
RESOURCES														
5 REGULATED HYDRO	127	118	129	128	121	117	113	115	121	122	120	43	126	124
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	123	114	125	124	117	113	109	111	117	118	116	39	122	120
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	123	114	125	124	117	113	109	111	117	118	116	39	122	120
22 HYD,SM THRM & MISC RESERVES	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-2	-6	-6
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-37	-21	-19	-9	-7	-5	-5	-7	-11	-13	-10	-11	-12	-29
25 NET RESOURCES	80	87	100	109	104	102	98	98	100	99	100	26	104	85
26 SURPLUS/DEFICIT	-571	-564	-553	-617	-662	-662	-688	-664	-675	-652	-651	-682	-563	-566
27 DEDICATED RESOURCES	123	114	125	124	117	113	109	111	117	118	116	39	122	120
28 BPA PWR SLE CNTRCT PURCH	571	564	553	617	662	662	688	664	675	652	651	682	563	566
29 SURPLUS/DEFICIT W/PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-207	-206	-212	-206	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	0	0	0	-207	-206	-212	-206	0	0	0	0	0	0
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	207	206	212	206	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE U-10

DOUGLAS COUNTY PUD #1
LOADS AND RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94M E D I U M L O A D S
1994-95 OPERATING YEAR1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	88	88	81	101	115	119	131	117	112	102	102	86	87	89
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	88	88	81	101	115	119	131	117	112	102	102	86	87	89
RESOURCES														
5 REGULATED HYDRO	228	228	228	228	228	228	228	228	228	228	228	228	228	228
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-8	-8	-8
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	219	219	219	219	219	219	219	219	219	220	220	220	220	220
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	20	20	20	20	20	20	20	20	20	18	18	18	18	18
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	240	240	240	240	240	240	240	240	240	239	239	239	239	239
22 HYD, SM THRM & MISC RESERVES	-11	-11	-11	-12	-11	-12	-11	-11	-11	-11	-11	-11	-11	-12
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-19	-22	-23	-3	-1	-4	-4	-4	-17	-16	-7	-3	-2	-3
25 NET RESOURCES	210	207	206	225	228	224	225	225	212	212	221	225	226	224
26 SURPLUS/DEFICIT	122	119	125	124	113	105	94	108	100	110	119	139	139	135
27 DEDICATED RESOURCES	240	240	240	240	240	240	240	240	240	239	239	239	239	239
28 BPA PWR SLE CNTRCT PURCH 1/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	122	119	125	124	113	105	94	108	100	110	119	139	139	135
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-7	-7	-8	-7	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	122	119	125	124	106	98	86	101	100	110	119	139	139	135
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	122	119	125	124	106	98	86	101	100	110	119	139	139	135

1/ DOUGLAS HAS REQUESTED ZERO PURCHASE FROM BPA THROUGH THE STUDY HORIZON

TABLE U-10

DOUGLAS COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	92	92	85	106	119	123	139	124	118	106	106	89	90	93
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	92	92	85	106	119	123	139	124	118	106	106	89	90	93
RESOURCES														
5 REGULATED HYDRO	228	228	228	228	228	228	228	228	228	228	228	228	228	228
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-5	-5	-5	-5	-5	-5	-5	-5	-5	-2	-2	-2	-2	-2
9 CAN. ENT. RETURN (CANADA)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-10	-10	-10	-10	-10
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	222	222	222	222	222	222	222	222	222	216	216	216	216	216
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	1	1	1	1	1	1	1	1	1	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	12	12	12	12	12	12	12	12	12	6	6	6	6	6
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	235	235	235	235	235	235	235	235	235	222	222	222	222	222
22 HYD,SM THRM & MISC RESERVES	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-12	-11
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-19	-22	-23	-3	-1	-4	-4	-4	-17	-16	-7	-3	-2	-3
25 NET RESOURCES	205	202	201	221	223	220	220	220	207	195	204	208	208	208
26 SURPLUS/DEFICIT	113	110	116	115	104	97	81	96	89	89	98	119	118	115
27 DEDICATED RESOURCES	235	235	235	235	235	235	235	235	235	222	222	222	222	222
28 BPA PWR SLE CNTRCT PURCH 1/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	113	110	116	115	104	97	81	96	89	89	98	119	118	115
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-7	-7	-8	-7	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	113	110	116	115	97	90	73	89	89	89	98	119	118	115
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	113	110	116	115	97	90	73	89	89	89	98	119	118	115

1/ DOUGLAS HAS REQUESTED ZERO PURCHASE FROM BPA THROUGH THE STUDY HORIZON

TABLE U-10

DOUGLAS COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	95	95	88	112	128	134	149	132	125	112	112	92	94	99
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	95	95	88	112	128	134	149	132	125	112	112	92	94	99

RESOURCES

5 REGULATED HYDRO	228	228	228	228	228	228	228	228	228	228	228	228	228	228
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	209	209	209	209	209	209	209	209	209	209	209	209	209	209
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	211	211	211	211	211	211	211	211	211	211	211	211	211	211
22 HYD, SM THRM & MISC RESERVES	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-19	-22	-23	-3	-1	-4	-4	-4	-17	-16	-7	-3	-2	-3
25 NET RESOURCES	181	178	177	197	199	196	196	196	183	184	193	197	198	197
26 SURPLUS/DEFICIT	86	83	89	85	71	62	47	64	58	72	81	105	104	98
27 DEDICATED RESOURCES	211	211	211	211	211	211	211	211	211	211	211	211	211	211
28 BPA PWR SLE CNTRCT PURCH 1/	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	86	83	89	85	71	62	47	64	58	72	81	105	104	98
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-8	-8	-9	-8	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	86	83	89	85	63	54	38	56	58	72	81	105	104	98
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	86	83	89	85	63	54	38	56	58	72	81	105	104	98

1/ DOUGLAS HAS REQUESTED ZERO PURCHASE FROM BPA THROUGH THE STUDY HORIZON

TABLE U-11

EUGENE WATER & ELECTRIC BOARD
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	314	314	378	454	504	548	555	545	491	453	453	419	354	336
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	314	314	378	454	504	548	555	545	491	453	453	419	354	336

RESOURCES

5 REGULATED HYDRO	82	79	78	73	70	92	83	98	88	89	71	76	82	77
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	80	77	76	71	68	90	81	96	86	87	69	74	80	75
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	37	37	37	37	37	37	37	37	37	32	32	32	32	32
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	5	6	4	0	1	2	9	9	37	37	11
21 TOTAL RESOURCES	141	138	137	137	135	135	142	158	149	152	134	167	173	122
22 HYD, SM THRM & MISC RESERVES	-5	-5	-5	-5	-5	-5	-5	-6	-6	-6	-5	-7	-7	-4
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-17	-10	-16	-7	-6	-2	-2	-4	-8	-9	-11	-9	-6	-12
25 NET RESOURCES	119	123	116	125	124	128	135	148	135	137	118	151	160	106
26 SURPLUS/DEFICIT	-195	-191	-262	-329	-380	-420	-420	-397	-356	-316	-335	-268	-194	-230
27 DEDICATED RESOURCES	115	112	111	111	109	129	116	132	123	126	108	141	147	116
28 BPA PWR SLE CNTRCT PURCH	221	217	288	355	407	426	446	423	383	342	361	294	220	236
29 SURPLUS/DEFICIT W/PURCHASE	26	26	26	26	26	6	26	26	26	26	26	26	26	6
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-75	-82	-83	-82	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	26	26	26	26	-49	-76	-57	-56	26	26	26	26	26	6
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	49	76	57	56	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	26	26	26	26	0	0	0	0	26	26	26	26	26	6

TABLE U-11

EUGENE WATER & ELECTRIC BOARD
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	344	344	413	490	536	579	601	589	529	489	489	450	378	356
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	344	344	413	490	536	579	601	589	529	489	489	450	378	356
RESOURCES														
5 REGULATED HYDRO	82	79	78	73	70	92	83	98	88	89	71	76	82	77
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-1	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	-2	-2	-2	-2	-2
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	81	78	77	72	69	91	82	97	87	87	69	74	80	75
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	23	23	23	23	23	23	23	23	23	11	11	11	11	11
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	2	2	2	2	2	2	2	2	2	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	5	5	4	0	1	1	9	9	37	37	11
21 TOTAL RESOURCES	126	123	122	122	119	120	127	143	133	127	109	142	148	97
22 HYD, SM THRM & MISC RESERVES	-5	-5	-5	-5	-5	-5	-5	-6	-6	-6	-5	-7	-7	-4
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-17	-10	-16	-7	-6	-2	-2	-4	-8	-9	-11	-9	-6	-12
25 NET RESOURCES	104	108	101	110	108	113	120	133	119	112	93	126	135	81
26 SURPLUS/DEFICIT	-240	-236	-312	-380	-428	-466	-481	-456	-410	-377	-396	-324	-243	-275
27 DEDICATED RESOURCES	100	97	96	96	93	114	101	117	107	101	83	116	122	91
28 BPA PWR SLE CNTRCT PURCH	266	262	338	406	455	472	507	482	437	403	422	350	269	281
29 SURPLUS/DEFICIT W/PURCHASE	26	26	26	26	26	6	26	26	26	26	26	26	26	6
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-80	-87	-90	-88	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	26	26	26	26	-54	-81	-64	-62	26	26	26	26	26	6
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	54	81	64	62	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	26	26	26	26	0	0	0	0	26	26	26	26	26	6

TABLE U-11

EUGENE WATER & ELECTRIC BOARD
LOADS AND RESOURCES

		1993 WHITEBOOK: 12/19/93 RUN DATE: 01/19/94													
		M E D I U M L O A D S													
		2003- 4 OPERATING YEAR													
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
		---	---	---	---	---	---	---	---	---	---	---	---	---	---
LOADS															
1	SYSTEM LOADS	357	357	428	513	567	616	629	616	554	512	512	471	397	373
2	EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	TOTAL LOADS	357	357	428	513	567	616	629	616	554	512	512	471	397	373
RESOURCES															
5	REGULATED HYDRO	82	79	78	73	70	92	83	98	88	89	71	76	82	77
6	INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	CAN. ENT. RETURN (CANADA)	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
10	RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	TOTAL HYDRO	79	76	75	70	67	89	80	95	85	86	68	73	79	74
12	SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	COGENERATION	20	20	20	20	20	20	20	20	20	20	20	20	20	20
17	IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	NON-UTILITY GENERATION	0	0	0	5	5	4	0	1	1	9	9	37	37	11
21	TOTAL RESOURCES	99	96	95	95	92	93	100	116	106	115	97	130	136	85
22	HYD,SM THRM & MISC RESERVES	-5	-5	-5	-5	-5	-5	-5	-6	-6	-6	-5	-7	-7	-4
23	LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	HYDRO MAINTENANCE	-17	-10	-16	-7	-6	-2	-2	-4	-8	-9	-11	-9	-6	-12
25	NET RESOURCES	77	81	74	83	81	86	93	106	92	100	81	114	123	69
26	SURPLUS/DEFICIT	-280	-276	-354	-430	-486	-530	-536	-510	-462	-412	-431	-357	-274	-304
27	DEDICATED RESOURCES	73	70	69	69	66	87	74	90	80	89	71	104	110	79
28	BPA PWR SLE CNTRCT PURCH	306	302	380	456	513	536	562	536	489	438	457	383	300	310
29	SURPLUS/DEFICIT W/PURCHASE	26	26	26	26	26	6	26	26	26	26	26	26	26	6
30	EXTREME WEATHER ADJUSTMENT	0	0	0	0	-85	-92	-94	-92	0	0	0	0	0	0
31	SURPLUS/DEFICIT W/EXTRM WX	26	26	26	26	-59	-86	-68	-66	26	26	26	26	26	6
32	BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	59	86	68	66	0	0	0	0	0	0
33	SURPLUS/DEFICIT AFTR BPA OB	26	26	26	26	0	0	0	0	26	26	26	26	26	6

TABLE U-12

GRANT COUNTY PUD #2
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	425	425	401	368	399	428	458	450	387	382	382	428	449	416
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	14	14	14	14	14	14	14	14	14	14	14	14	14	14
4 TOTAL LOADS	439	439	415	382	413	442	472	464	401	396	396	442	463	430
RESOURCES														
5 REGULATED HYDRO	659	659	659	659	659	659	659	659	659	659	659	659	659	659
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-30	-30	-30	-30	-30	-30	-30	-30	-30	-25	-25	-25	-25	-25
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	629	629	629	629	629	629	629	629	629	634	634	634	634	634
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	3	3	3	3	3	3	3	3	3	2	2	2	2	2
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	60	60	60	60	60	60	60	60	60	50	50	50	50	50
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	14	14	11	8	0	0	0	0	8	13	13	16	15	15
21 TOTAL RESOURCES	706	706	703	700	692	692	692	692	700	699	699	702	701	701
22 HYD, SM THRM & MISC RESERVES	-34	-34	-34	-33	-33	-33	-33	-33	-33	-34	-33	-34	-34	-34
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-67	-67	-65	-62	-44	-38	-39	-55	-79	-86	-86	-60	-56	-49
25 NET RESOURCES	605	605	604	605	615	621	620	604	588	579	580	608	611	618
26 SURPLUS/DEFICIT	166	166	189	223	202	179	148	140	187	183	184	166	148	188
27 DEDICATED RESOURCES	613	613	613	613	613	613	613	613	613	607	607	607	607	607
28A BPA PWR SLE CN PURCH(METR)	3	3	5	9	13	16	16	15	10	8	8	6	3	4
28B BPA PWR SLE CN PUR(COMPT)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	169	169	194	233	215	195	164	155	196	191	192	171	151	191
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-60	-64	-69	-67	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	169	169	194	233	155	131	95	88	196	191	192	171	151	191
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	169	169	194	233	155	131	95	88	196	191	192	171	151	191

TABLE U-12

GRANT COUNTY PUD #2
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	463	463	436	396	422	451	487	477	410	404	404	451	473	441
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	14	14	14	14	14	14	14	14	14	14	14	14	14	14
4 TOTAL LOADS	477	477	450	410	436	465	501	491	424	418	418	465	487	455
RESOURCES														
5 REGULATED HYDRO	659	659	659	659	659	659	659	659	659	659	659	659	659	659
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-18	-18	-18	-18	-18	-18	-18	-18	-18	-9	-9	-9	-9	-9
9 CAN. ENT. RETURN (CANADA)	-6	-6	-6	-6	-6	-6	-6	-6	-6	-35	-35	-35	-35	-35
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	635	635	635	635	635	635	635	635	635	615	615	615	615	615
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	2	2	2	2	2	2	2	2	2	1	1	1	1	1
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	36	36	36	36	36	36	36	36	36	18	18	18	18	18
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	14	14	11	8	0	0	0	0	8	13	13	16	15	15
21 TOTAL RESOURCES	687	687	684	681	673	673	673	673	681	647	647	650	649	649
22 HYD, SM THRM & MISC RESERVES	-34	-34	-34	-33	-33	-33	-33	-33	-33	-34	-34	-34	-34	-34
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-67	-67	-65	-62	-44	-38	-39	-55	-79	-86	-86	-60	-56	-49
25 NET RESOURCES	586	586	585	586	596	602	601	585	569	527	527	556	559	566
26 SURPLUS/DEFICIT	109	109	135	176	160	137	100	94	145	109	109	91	72	111
27 DEDICATED RESOURCES	594	594	594	594	594	594	594	594	594	555	555	555	555	555
28A BPA PWR SLE CN PURCH(METR)	5	5	7	13	19	23	23	22	15	12	12	8	5	6
28B BPA PWR SLE CN PUR(COMPT)	0	0	0	0	0	0	0	0	0	0	0	0	3	0
29 SURPLUS/DEFICIT W/PURCHASE	114	114	142	190	179	160	124	115	159	121	121	99	80	116
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-63	-68	-73	-72	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	114	114	142	190	116	92	51	43	159	121	121	99	80	116
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	114	114	142	190	116	92	51	43	159	121	121	99	80	116

TABLE U-12

GRANT COUNTY PUD #2
LOADS AND RESOURCES

M E D I U M L O A D S

2003 - 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	479	479	453	415	447	479	510	500	431	425	425	474	497	463
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	14	14	14	14	14	14	14	14	14	14	14	14	14	14
4 TOTAL LOADS	493	493	467	429	461	493	524	514	445	439	439	488	511	477
RESOURCES														
5 REGULATED HYDRO	659	659	659	659	659	659	659	659	659	659	659	659	659	659
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	595	595	595	595	595	595	595	595	595	595	595	595	595	595
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	14	14	11	8	0	0	0	0	8	13	13	16	15	15
21 TOTAL RESOURCES	609	609	606	603	595	595	595	595	603	608	608	611	610	610
22 HYD, SM THRM & MISC RESERVES	-34	-34	-34	-33	-33	-33	-33	-33	-33	-34	-34	-34	-34	-34
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-67	-67	-65	-62	-44	-38	-39	-55	-79	-86	-86	-60	-56	-49
25 NET RESOURCES	508	508	507	508	518	524	523	507	491	488	488	517	520	527
26 SURPLUS/DEFICIT	15	15	40	79	57	31	-1	-7	46	49	49	29	9	50
27 DEDICATED RESOURCES	516	516	516	516	516	516	516	516	516	516	516	516	516	516
28A BPA PMR SLE CN PURCH(METR)	7	7	12	21	31	37	37	35	23	19	19	13	8	9
28B BPA PMR SLE CN PUR(COMPT)	57	57	24	0	0	0	29	38	4	10	10	39	63	22
29 SURPLUS/DEFICIT W/PURCHASE	79	79	76	101	87	68	65	65	73	78	78	81	80	80
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-67	-72	-77	-75	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM MX	79	79	76	101	20	-4	-12	-10	73	78	78	81	80	80
32 BPA POSSIBLE EXTRM MX OBLG	0	0	0	0	0	4	12	10	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	79	79	76	101	20	0	0	0	73	78	78	81	80	80

TABLE U-13

PEND OREILLE COUNTY PUD #1

M E D I U M L O A D S

 1993 WHITEBOOK: 12/19/93
 RUN DATE: 01/19/94

1994-95 OPERATING YEAR

 1930 WATER YEAR
 PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1A SYSTEM LOADS PF PURCHASE	35	35	34	45	50	65	64	47	55	51	51	44	39	35
1B PONDERAY FIBRE MILL	75	75	75	75	75	75	75	75	75	75	75	75	75	75
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	20	20	20	20	20	20	20	20	20	20	20	20	20	20
4 TOTAL LOADS	130	130	129	140	145	160	159	142	150	146	146	139	134	130
RESOURCES														
5 REGULATED HYDRO	82	83	80	79	81	81	81	80	81	79	78	78	80	81
6 INDEPENDENT HYDRO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	83	84	81	80	82	82	82	81	82	80	79	79	81	82
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	41	41	41	41	41	41	41	41	41	41	41	41	41	41
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	125	126	123	122	124	124	124	123	124	122	121	121	123	124
22 HYD, SM THRM & MISC RESERVES	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 NET RESOURCES	121	122	119	118	120	120	120	119	120	118	117	117	119	120
26 SURPLUS/DEFICIT	-9	-8	-10	-22	-25	-40	-39	-23	-30	-28	-29	-22	-15	-10
27 DEDICATED RESOURCES	17	18	15	14	16	16	16	15	16	14	13	13	15	16
28 BPA PWR SLE CNTRCT PURCH	38	42	26	35	43	53	56	36	43	41	42	35	28	33
29 SURPLUS/DEFICIT W/PURCHASE	29	34	16	13	18	13	17	13	13	13	13	13	13	23
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-19	-21	-21	-18	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	29	34	16	13	-1	-8	-4	-5	13	13	13	13	13	23
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	1	8	4	5	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFR BPA OB	29	34	16	13	0	0	0	0	13	13	13	13	13	23

 FOOTNOTE: 1/ LOADS INCLUDE PONDERAY FIBRE MILL LOAD BEGINNING JULY 1989
 2/ DEDICATED RESOURCES ARE REDUCED TO MEET PONDERAY FIBRE MILL BEGINNING JULY 1989

TABLE U-13

PEND OREILLE COUNTY PUD #1

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1A SYSTEM LOADS PF PURCHASE	40	40	40	50	53	69	72	52	62	56	56	49	43	38
1B PONDERAY FIBRE MILL	75	75	75	75	75	75	75	75	75	75	75	75	75	75
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	16	16	16	16	16	16	16	16	16	16	16	16	16	16
4 TOTAL LOADS	131	131	131	141	144	160	163	143	153	147	147	140	134	129
RESOURCES														
5 REGULATED HYDRO	79	83	81	79	80	81	81	81	81	80	78	78	80	80
6 INDEPENDENT HYDRO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	80	84	82	80	81	82	82	82	82	81	79	79	81	81
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	32	32	32	32	32	32	32	32	32	32	32	32	32	32
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	113	117	115	113	114	115	115	115	115	114	112	112	114	114
22 HYD, SM THRM & MISC RESERVES	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 NET RESOURCES	109	113	111	109	110	111	111	111	111	110	108	108	110	110
26 SURPLUS/DEFICIT	-22	-18	-20	-32	-34	-49	-52	-32	-42	-37	-39	-32	-24	-19
27 DEDICATED RESOURCES	22	26	24	22	23	24	24	24	24	23	21	21	23	23
28 BPA PWR SLE CNTRCT PURCH	22	45	24	32	34	49	53	37	48	37	39	32	24	26
29 SURPLUS/DEFICIT W/PURCHASE	0	27	4	0	0	0	1	5	6	0	0	0	0	7
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-19	-22	-22	-19	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	27	4	0	-19	-22	-21	-14	6	0	0	0	0	7
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	19	22	21	14	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFT BPA OB	0	27	4	0	0	0	0	0	6	0	0	0	0	7

FOOTNOTE: 1/ LOADS INCLUDE PONDERAY FIBRE MILL LOAD BEGINNING JULY 1989
 2/ DEDICATED RESOURCES ARE REDUCED TO MEET PONDERAY FIBRE MILL BEGINNING JULY 1989

TABLE U-13

PEND OREILLE COUNTY PUD #1

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1A SYSTEM LOADS PF PURCHASE	44	44	44	57	62	81	81	59	69	63	63	55	49	44
1B PONDERAY FIBRE MILL	75	75	75	75	75	75	75	75	75	75	75	75	75	75
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	12	12	12	12	12	12	12	12	12	12	12	12	12	12
4 TOTAL LOADS	131	131	131	144	149	168	168	146	156	150	150	142	136	131

RESOURCES

5 REGULATED HYDRO	79	83	81	79	80	81	81	81	81	80	78	78	80	80
6 INDEPENDENT HYDRO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	80	84	82	80	81	82	82	82	82	81	79	79	81	81
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	36	36	36	36	36	36	36	36	36	36	36	36	36	36
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	116	120	118	116	117	118	118	118	118	117	115	115	117	117

22 HYD.SM THRM & MISC RESERVES
23 LARGE THERMAL RESERVES
24 HYDRO MAINTENANCE

22 HYD.SM THRM & MISC RESERVES	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

25 NET RESOURCES

25 NET RESOURCES	112	116	114	112	113	114	114	114	114	113	111	111	113	113
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26 SURPLUS/DEFICIT

26 SURPLUS/DEFICIT	-19	-15	-17	-32	-36	-54	-54	-32	-42	-37	-39	-31	-23	-18
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27 DEDICATED RESOURCES

27 DEDICATED RESOURCES	29	33	31	29	30	31	31	31	31	30	28	28	30	30
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28 BPA PWR SLE CNTRCT PURCH
29 SURPLUS/DEFICIT W/PURCHASE

28 BPA PWR SLE CNTRCT PURCH	19	45	21	32	36	54	54	37	48	37	39	31	23	23
29 SURPLUS/DEFICIT W/PURCHASE	0	30	4	0	0	0	0	5	6	0	0	0	0	5

30 EXTREME WEATHER ADJUSTMENT
31 SURPLUS/DEFICIT W/EXTRM WX

30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-21	-23	-23	-20	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	30	4	0	-21	-23	-23	-15	6	0	0	0	0	5

32 BPA POSSIBLE EXTRM WX OBLG
33 SURPLUS/DEFICIT AFR BPA OB

32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	21	23	23	15	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFR BPA OB	0	30	4	0	0	0	0	0	6	0	0	0	0	5

FOOTNOTE: 1/ LOADS INCLUDE PONDERAY FIBRE MILL LOAD BEGINNING JULY 1989
2/ DEDICATED RESOURCES ARE REDUCED TO MEET PONDERAY FIBRE MILL BEGINNING JULY 1989

TABLE U-14

SEATTLE CITY LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

- 1 SYSTEM LOADS
2 EXPORTS
3 CONTRACTS OUT
4 TOTAL LOADS

RESOURCES

- 5 REGULATED HYDRO
6 INDEPENDENT HYDRO
7 MAY WATER BUDGET
8 CAN. ENT. RETURN (CSPE)
9 CAN. ENT. RETURN (CANADA)
10 RESTORATION
11 TOTAL HYDRO
12 SMALL THERMAL & MISC
13 COMBUSTION TURBINES
14 CSPE PURCHASE
15 RENEWABLES
16 COGENERATION
17 IMPORTS
18 CONTRACTS IN
19 LARGE THERMAL
20 NON-UTILITY GENERATION
21 TOTAL RESOURCES
22 HYD.SM THRM & MISC RESERVES
23 LARGE THERMAL RESERVES
24 HYDRO MAINTENANCE
25 NET RESOURCES
26 SURPLUS/DEFICIT
27 DEDICATED RESOURCES
28 BPA PWR SLE CNTRCT PURCH
29 SURPLUS/DEFICIT W/PURCHASE
30 EXTREME WEATHER ADJUSTMENT
31 SURPLUS/DEFICIT W/EXTRM WX
32 BPA POSSIBLE EXTRM WX OBLG
33 SURPLUS/DEFICIT AFTR BPA OB

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1221 48 28	1221 48 28	1218 62 28	1502 31 78	1715 0 28	1734 0 28	1795 0 28	1716 0 28	1673 0 28	1549 0 28	1549 0 28	1379 0 28	1231 62 28	1249 62 28
1297	1297	1308	1611	1743	1762	1823	1744	1701	1577	1577	1407	1321	1339
1477 30 0 -3 0 0	1581 30 0 -3 0 0	1596 30 0 -3 0 0	1674 30 0 -3 0 0	1654 37 0 -3 0 0	1630 10 0 -3 0 0	1601 37 0 -3 0 0	1578 37 0 -3 0 0	1563 37 0 -3 0 0	1566 30 0 -3 0 0	1708 30 0 -3 0 0	1699 30 0 -3 0 0	1673 30 0 -3 0 0	1695 10 0 -3 0 0
1504 1 0 83 0 0 143 76 105 121	1608 1 0 83 0 0 143 76 105 121	1623 1 0 83 0 0 143 26 105 75	1701 1 0 83 0 0 143 26 105 28	1688 1 0 83 0 0 129 26 105 4	1637 1 0 83 0 0 151 26 105 5	1635 1 0 83 0 0 186 26 105 10	1612 1 0 83 0 0 220 26 105 12	1597 1 0 83 0 0 239 26 105 27	1593 1 0 72 0 0 143 26 105 88	1735 1 0 72 0 0 143 26 105 88	1726 1 0 72 0 0 143 26 52 134	1700 1 0 72 0 0 143 26 105 142	1702 1 0 72 0 0 143 26 105 138
2033 -81 -16 -197	2137 -87 -16 -166	2056 -85 -16 -218	2087 -87 -16 -18	2036 -85 -16 -16	2008 -82 -16 -3	2046 -82 -16 -22	2059 -81 -16 -25	2078 -81 -16 -62	2028 -84 -16 -65	2170 -91 -16 -73	2154 -93 -8 -75	2189 -92 -16 -107	2187 -92 -16 -38
1739 442 1954 0 442 0 442 0 442	1868 571 2058 0 571 0 571 0 571	1737 429 2027 0 429 0 429 0 429	1966 355 2058 0 355 0 355 0 355	1919 176 2007 0 176 -189 -13	1907 145 1979 0 145 -191 -46	1926 103 2017 0 103 -198 -95	1937 193 2030 0 193 -189 4	1919 218 2049 0 218 0 218	1863 286 1999 0 286 0 286	1990 413 2141 0 413 0 413	1978 571 2125 0 571 0 571	1974 653 2160 0 653 0 653	2041 702 2158 0 702 0 702
0 442 0 442 0 442	0 571 0 571 0 571	0 429 0 429 0 429	0 355 0 355 0 355	0 176 -189 -13	0 145 -191 -46	0 103 -198 -95	0 193 -189 4	0 218 0 218	0 286 0 286	0 413 0 413	0 571 0 571	0 653 0 653	0 702 0 702
0 442 0 442 0 442	0 571 0 571 0 571	0 429 0 429 0 429	0 355 0 355 0 355	13 0	46 0	95 0	0 4	0 218	0 286	0 413	0 571	0 653	0 702

TABLE U-14

SEATTLE CITY LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	1329	1329	1323	1614	1816	1825	1942	1852	1804	1669	1669	1481	1320	1325
2 EXPORTS	48	48	62	31	0	0	0	0	0	0	0	0	62	62
3 CONTRACTS OUT	32	32	32	82	32	32	32	32	32	32	32	32	32	32
4 TOTAL LOADS	1409	1409	1417	1727	1848	1857	1974	1884	1836	1701	1701	1513	1414	1419
RESOURCES														
5 REGULATED HYDRO	1477	1581	1596	1674	1654	1630	1601	1578	1563	1566	1725	1699	1673	1695
6 INDEPENDENT HYDRO	30	30	30	30	37	10	37	37	37	30	30	30	30	10
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
9 CAN. ENT. RETURN (CANADA)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-4	-4	-4	-4	-4
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1504	1608	1623	1701	1688	1637	1635	1612	1597	1591	1750	1724	1698	1700
12 SMALL THERMAL & MISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	52	52	52	52	52	52	52	52	52	25	25	25	25	25
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	143	143	143	143	129	197	232	266	285	155	155	143	143	143
18 CONTRACTS IN	70	70	20	20	20	20	20	20	20	18	18	18	18	18
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	52	52	105
20 NON-UTILITY GENERATION	121	121	75	27	4	5	10	12	27	88	88	134	141	138
21 TOTAL RESOURCES	1996	2100	2019	2049	1999	2017	2055	2068	2087	1983	2142	2097	2078	2130
22 HYD, SM THRM & MISC RESERVES	-82	-87	-85	-87	-85	-82	-82	-81	-81	-84	-92	-93	-92	-92
23 LARGE THERMAL RESERVES	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-8	-8	-16
24 HYDRO MAINTENANCE	-197	-166	-218	-18	-16	-3	-22	-25	-62	-65	-73	-75	-107	-38
25 NET RESOURCES	1701	1831	1700	1928	1882	1916	1935	1946	1928	1818	1961	1921	1871	1984
26 SURPLUS/DEFICIT	292	422	283	201	34	59	-39	62	92	117	260	408	457	565
27 DEDICATED RESOURCES	1913	2017	1986	2016	1966	1938	1976	1989	2008	1938	2097	2064	2045	2097
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	0	0	86	0	0	0	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	292	422	283	201	34	59	47	62	92	117	260	408	457	565
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-200	-201	-214	-204	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	292	422	283	201	-166	-142	-167	-142	92	117	260	408	457	565
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	166	142	167	142	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	292	422	283	201	0	0	0	0	92	117	260	408	457	565

TABLE U-14

SEATTLE CITY LIGHT
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

- 1 SYSTEM LOADS
2 EXPORTS
3 CONTRACTS OUT
4 TOTAL LOADS

RESOURCES

- 5 REGULATED HYDRO
6 INDEPENDENT HYDRO
7 MAY WATER BUDGET
8 CAN. ENT. RETURN (CSPE)
9 CAN. ENT. RETURN (CANADA)
10 RESTORATION
11 TOTAL HYDRO
12 SMALL THERMAL & MISC
13 COMBUSTION TURBINES
14 CSPE PURCHASE
15 RENEWABLES
16 COGENERATION
17 IMPORTS
18 CONTRACTS IN
19 LARGE THERMAL
20 NON-UTILITY GENERATION
21 TOTAL RESOURCES
22 HYD.SM THRM & MISC RESERVES
23 LARGE THERMAL RESERVES
24 HYDRO MAINTENANCE
25 NET RESOURCES
26 SURPLUS/DEFICIT
27 DEDICATED RESOURCES
28 BPA PWR SLE CNTRCT PURCH
29 SURPLUS/DEFICIT W/PURCHASE
30 EXTREME WEATHER ADJUSTMENT
31 SURPLUS/DEFICIT W/EXTRM WX
32 BPA POSSIBLE EXTRM WX OBLG
33 SURPLUS/DEFICIT AFTR BPA OB

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	1371	1371	1367	1684	1912	1931	2039	1945	1898	1757	1757	1559	1389	1384
2 EXPORTS	48	48	62	31	0	0	0	0	0	0	0	0	62	62
3 CONTRACTS OUT	36	36	36	86	36	36	36	36	36	36	36	36	36	36
4 TOTAL LOADS	1455	1455	1465	1801	1948	1967	2075	1981	1934	1793	1793	1595	1487	1482
5 REGULATED HYDRO	1477	1581	1596	1674	1654	1630	1601	1578	1563	1566	1725	1699	1673	1695
6 INDEPENDENT HYDRO	30	30	30	30	37	10	37	37	37	30	30	30	30	10
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	1501	1605	1620	1698	1685	1634	1632	1609	1594	1590	1749	1723	1697	1699
12 SMALL THERMAL & MISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
18 CONTRACTS IN	62	62	12	12	12	12	12	12	12	12	12	12	12	12
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	52	105	105
20 NON-UTILITY GENERATION	121	121	75	27	4	5	10	12	27	88	88	134	141	138
21 TOTAL RESOURCES	1933	2037	1956	1986	1936	1908	1946	1959	1978	1939	2098	2065	2099	2098
22 HYD.SM THRM & MISC RESERVES	-82	-87	-85	-87	-85	-82	-82	-81	-81	-84	-92	-93	-92	-92
23 LARGE THERMAL RESERVES	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-8	-16	-16
24 HYDRO MAINTENANCE	-197	-166	-218	-18	-16	-3	-22	-25	-62	-65	-73	-75	-107	-38
25 NET RESOURCES	1638	1768	1637	1865	1819	1807	1826	1837	1819	1774	1917	1889	1884	1952
26 SURPLUS/DEFICIT	183	313	172	64	-129	-160	-249	-144	-115	-19	124	294	397	470
27 DEDICATED RESOURCES	1846	1950	1919	1949	1899	1871	1909	1922	1941	1902	2061	2028	2062	2061
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	130	161	250	145	116	20	0	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	183	313	172	64	1	1	1	1	1	1	124	294	397	470
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-210	-212	-224	-214	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	183	313	172	64	-209	-211	-223	-213	1	1	124	294	397	470
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	209	211	223	213	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	183	313	172	64	0	0	0	0	1	1	124	294	397	470

TABLE U-15

SNOHOMISH COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	628	628	714	983	1132	1296	1238	1294	1125	1075	1075	884	783	613
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	5	5	5	6	7	10	10	8	7	7	7	6	5	5
4 TOTAL LOADS	633	633	719	989	1139	1306	1248	1302	1132	1082	1082	890	788	618

RESOURCES

5 REGULATED HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 INDEPENDENT HYDRO	103	103	103	103	103	103	103	103	103	103	103	103	103	103
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	103	103	103	103	103	103	103	103	103	103	103	103	103	103
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	10	10	10	10	10	10	10	10	10	9	9	9	9	9
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	53	105	105
20 NON-UTILITY GENERATION	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 TOTAL RESOURCES	219	219	219	219	219	219	219	219	219	218	218	166	218	218
22 HYD. SM THRM & MISC RESERVES	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
23 LARGE THERMAL RESERVES	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-8	-16	-16
24 HYDRO MAINTENANCE	-50	-16	-5	0	0	0	0	0	0	-17	-17	-17	0	-16
25 NET RESOURCES	148	182	193	198	198	198	198	198	198	180	180	136	197	181
26 SURPLUS/DEFICIT	-485	-451	-526	-791	-941	-1108	-1050	-1104	-934	-902	-902	-754	-591	-437
27 DEDICATED RESOURCES	219	219	219	219	219	219	219	219	219	218	218	166	218	218
28 BPA PWR SLE CNTRCT PURCH	486	451	527	791	941	1108	1050	1104	934	902	902	754	591	437
29 SURPLUS/DEFICIT W/PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-260	-298	-285	-298	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	0	0	0	0	-260	-298	-285	-298	0	0	0	0	0	0
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	260	298	285	298	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE U-15

SNOHOMISH COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	689	689	783	1064	1208	1372	1313	1367	1188	1134	1134	929	823	652
2 EXPORTS	32	32	23	23	23	23	23	23	23	32	32	32	32	32
3 CONTRACTS OUT	5	5	5	6	7	10	10	8	7	7	7	6	5	5
4 TOTAL LOADS	726	726	811	1093	1238	1405	1346	1398	1218	1173	1173	967	860	689

RESOURCES

5 REGULATED HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 INDEPENDENT HYDRO	103	103	103	103	103	103	103	103	103	103	103	103	103	103
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	103	103	103	103	103	103	103	103	103	103	103	103	103	103
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	6	6	6	6	6	6	6	6	6	3	3	3	3	3
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	38	38	27	27	27	27	27	27	27	38	38	38	38	38
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	53	53	105
20 NON-UTILITY GENERATION	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21 TOTAL RESOURCES	253	253	242	242	242	242	242	242	242	250	250	198	198	250
22 HYD, SM THRM & MISC RESERVES	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
23 LARGE THERMAL RESERVES	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-8	-8	-16
24 HYDRO MAINTENANCE	-50	-16	-5	0	0	0	0	0	0	-17	-17	-17	0	-16
25 NET RESOURCES	180	214	214	219	219	219	219	219	219	210	210	166	183	211
26 SURPLUS/DEFICIT	-546	-512	-597	-874	-1019	-1186	-1127	-1179	-999	-963	-963	-801	-677	-478
27 DEDICATED RESOURCES	215	215	215	215	215	215	215	215	215	212	212	160	160	212
28 BPA PWR SLE CNTRCT PURCH	585	550	625	901	1046	1213	1154	1206	1026	1001	1001	839	715	516
29 SURPLUS/DEFICIT W/PURCHASE	38	38	27	27	27	27	27	27	27	38	38	38	38	38
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-278	-315	-302	-314	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	38	38	27	27	-251	-288	-275	-287	27	38	38	38	38	38
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	251	288	275	287	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	38	38	27	27	0	0	0	0	27	38	38	38	38	38

TABLE U-15

SNOHOMISH COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	713	713	811	1114	1276	1457	1373	1431	1246	1190	1190	975	863	684
2 EXPORTS	32	32	23	23	23	23	23	23	23	32	32	32	32	32
3 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	745	745	834	1137	1299	1480	1396	1454	1269	1222	1222	1007	895	716

RESOURCES

5 REGULATED HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 INDEPENDENT HYDRO	103	103	103	103	103	103	103	103	103	103	103	103	103	103
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	103	103	103	103	103	103	103	103	103	103	103	103	103	103
12 SMALL THERM & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	38	38	27	27	27	27	27	27	27	38	38	38	38	38
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	53	105	105
20 NON-UTILITY GENERATION	1	1	1	1	1	1	1	1	1	1	1	1	1	0
21 TOTAL RESOURCES	247	247	236	236	236	236	236	236	236	247	247	195	247	246
22 HYD, SM THRM & MISC RESERVES	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
23 LARGE THERMAL RESERVES	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-8	-16	-16
24 HYDRO MAINTENANCE	-50	-16	-5	0	0	0	0	0	0	-17	-17	-17	0	-16
25 NET RESOURCES	174	208	208	213	213	213	213	213	213	207	207	163	224	207
26 SURPLUS/DEFICIT	-571	-537	-626	-924	-1086	-1267	-1183	-1241	-1056	-1015	-1015	-844	-671	-509
27 DEDICATED RESOURCES	209	209	209	209	209	209	209	209	209	209	209	157	209	209
28 BPA PWR SLE CNTRCT PURCH	610	575	654	951	1113	1294	1210	1268	1083	1053	1053	882	709	546
29 SURPLUS/DEFICIT W/PURCHASE	38	38	27	27	27	27	27	27	27	38	38	38	38	37
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-293	-335	-316	-329	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	38	38	27	27	-266	-308	-289	-302	27	38	38	38	38	37
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	266	308	289	302	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	38	38	27	27	0	0	0	0	27	38	38	38	38	37

TABLE U-16

TACOMA PUBLIC UTILITIES
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	669	669	729	871	990	1032	1046	1033	960	904	904	818	709	674
2 EXPORTS	41	41	74	74	74	41	41	41	41	41	41	41	41	41
3 CONTRACTS OUT	50	50	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	760	760	803	945	1064	1073	1087	1074	1001	945	945	859	750	715
RESOURCES														
5 REGULATED HYDRO	797	857	878	872	842	799	645	649	691	711	744	850	808	760
6 INDEPENDENT HYDRO	11	11	11	12	12	12	12	12	12	12	12	12	12	11
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	805	865	886	881	851	808	654	658	700	720	753	859	817	768
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	83	83	83	83	83	83	83	83	83	72	72	72	72	72
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	6	6	6	56	6	6	6	6	6	6	6	6	6	6
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	53	105	105
20 NON-UTILITY GENERATION	53	53	33	15	0	0	0	0	4	35	35	48	55	59
21 TOTAL RESOURCES	999	1059	1080	1125	1045	1002	848	852	894	903	936	990	1000	951
22 HYD, SM THRM & MISC RESERVES	-43	-46	-47	-46	-43	-41	-34	-34	-36	-39	-40	-46	-44	-42
23 LARGE THERMAL RESERVES	-16	-16	-16	-16	-15	-16	-16	-16	-16	-16	-16	-8	-16	-16
24 HYDRO MAINTENANCE	-177	-222	-125	-6	-3	-3	-3	-6	-21	-21	-26	-46	-54	-90
25 NET RESOURCES	763	775	892	1057	984	942	795	796	821	827	854	890	886	803
26 SURPLUS/DEFICIT	3	15	89	112	-80	-131	-292	-278	-180	-118	-91	31	136	88
27 DEDICATED RESOURCES	934	994	1015	1009	979	936	782	786	828	848	881	935	945	897
28 BPA PWR SLE CNTRCT PURCH	0	0	0	0	71	155	316	302	205	132	104	0	0	0
29 SURPLUS/DEFICIT W/PURCHASE	3	15	89	112	-8	25	25	25	25	14	14	31	136	88
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-198	-207	-209	-207	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	3	15	89	112	-206	-182	-185	-183	25	14	14	31	136	88
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	3	15	89	112	-206	-182	-185	-183	25	14	14	31	136	88

TABLE U-16

TACOMA PUBLIC UTILITIES
LOADS AND RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

M E D I U M L O A D S

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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LOADS

1 SYSTEM LOADS	761	761	827	978	1095	1134	1171	1154	1072	1007	1007	909	786	743
2 EXPORTS	41	41	74	74	74	41	41	41	41	41	41	41	41	41
3 CONTRACTS OUT	50	50	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	852	852	901	1052	1169	1175	1212	1195	1113	1048	1048	950	827	784

RESOURCES

5 REGULATED HYDRO	797	857	878	872	842	799	645	649	691	711	744	850	808	760
6 INDEPENDENT HYDRO	11	11	11	12	12	12	12	12	12	12	12	12	12	11
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	-4	-4	-4	-4	-4
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	806	866	887	882	852	809	655	659	701	718	751	857	815	766
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	52	52	52	52	52	52	52	52	52	25	25	25	25	25
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	4	4	4	4	4	4	4	4	4	2	2	2	2	2
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	53	53	105
20 NON-UTILITY GENERATION	53	53	33	15	0	0	0	0	4	35	35	49	55	59
21 TOTAL RESOURCES	967	1027	1048	1093	1013	970	816	820	862	850	883	937	895	898
22 HYD, SM THRM & MISC RESERVES	-43	-46	-46	-46	-43	-41	-34	-34	-36	-39	-40	-46	-44	-42
23 LARGE THERMAL RESERVES	-15	-15	-16	-16	-15	-16	-16	-16	-16	-16	-16	-8	-8	-16
24 HYDRO MAINTENANCE	-177	-222	-125	-6	-3	-3	-3	-6	-21	-21	-26	-46	-54	-90
25 NET RESOURCES	732	744	861	1025	952	910	763	764	789	774	801	837	789	750
26 SURPLUS/DEFICIT	-120	-108	-40	-27	-217	-265	-449	-431	-324	-274	-247	-113	-38	-34
27 DEDICATED RESOURCES	933	993	1014	1008	978	935	781	785	827	842	875	929	887	891
28 BPA PWR SLE CNTRCT PURCH	62	51	0	37	177	258	442	424	318	241	213	80	4	0
29 SURPLUS/DEFICIT W/PURCHASE	-57	-57	-40	11	-39	-7	-7	-7	-7	-33	-33	-33	-33	-34
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-219	-227	-234	-231	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-57	-57	-40	11	-258	-234	-241	-238	-7	-33	-33	-33	-33	-34
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	-57	-57	-40	11	-258	-234	-241	-238	-7	-33	-33	-33	-33	-34

TABLE U-16

TACOMA PUBLIC UTILITIES
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	813	813	885	1058	1194	1243	1273	1255	1167	1098	1098	990	857	807
2 EXPORTS	41	41	74	74	74	41	41	41	41	41	41	41	41	41
3 CONTRACTS OUT	50	50	0	0	0	0	0	0	0	0	0	0	0	0
4 TOTAL LOADS	904	904	959	1132	1268	1284	1314	1296	1208	1139	1139	1031	898	848
RESOURCES														
5 REGULATED HYDRO	797	857	878	872	842	799	645	649	691	711	744	850	808	760
6 INDEPENDENT HYDRO	11	11	11	12	12	12	12	12	12	12	12	12	12	11
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	802	862	883	878	848	805	651	655	697	717	750	856	814	765
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENOVABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	50	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	105	105	105	105	105	105	105	105	105	105	105	53	105	105
20 NON-UTILITY GENERATION	53	53	33	15	0	0	0	0	4	34	35	48	55	59
21 TOTAL RESOURCES	907	967	988	1033	953	910	756	760	802	822	855	909	919	870
22 HYD. SM THRM & MISC RESERVES	-43	-46	-47	-46	-43	-41	-34	-34	-36	-39	-40	-46	-44	-42
23 LARGE THERMAL RESERVES	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-8	-16	-16
24 HYDRO MAINTENANCE	-177	-222	-125	-6	-3	-3	-3	-6	-21	-21	-26	-46	-54	-90
25 NET RESOURCES	671	683	800	965	891	850	703	704	729	746	773	809	805	722
26 SURPLUS/DEFICIT	-233	-221	-159	-167	-377	-434	-611	-592	-479	-393	-366	-222	-93	-126
27 DEDICATED RESOURCES	907	967	988	982	952	909	755	759	801	821	854	908	918	870
28 BPA PMR SLE CNTRCT PURCH	142	130	85	144	304	394	571	552	439	353	326	182	53	85
29 SURPLUS/DEFICIT W/PURCHASE	-91	-91	-74	-23	-73	-40	-40	-40	-40	-40	-40	-40	-40	-41
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-239	-249	-255	-251	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	-91	-91	-74	-23	-312	-289	-295	-291	-40	-40	-40	-40	-40	-41
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	-91	-91	-74	-23	-312	-289	-295	-291	-40	-40	-40	-40	-40	-41

TABLE U-17

SMALL AND NONGENERATING PUBLIC AGENCIES
INCLUDING CLARK COUNTY PUD #1 AND GRAY HARBOR COUNTY PUD #1
LOADS AND RESOURCES

1930 WATER YEAR PEAK IN MEGAWATTS		M E D I U M L O A D S												1993 WHITEBOOK: 12/19/93 RUN DATE: 01/19/94					
		1994-95 OPERATING YEAR																	
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL				
LOADS																			
1	ADJUSTED SYSTEM LOADS	4515	4515	4540	5090	5634	6117	6424	5871	5701	5351	5351	5098	4599	4676				
2	EXPORTS	20	20	0	0	0	0	0	0	0	0	0	0	21	22				
3	CONTRACTS OUT	5	5	5	5	5	6	6	6	5	5	5	5	5	5				
4	TOTAL LOADS	4540	4540	4545	5095	5639	6123	6430	5877	5706	5356	5356	5103	4625	4703				
RESOURCES																			
5	REGULATED HYDRO	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102			
6	INDEPENDENT HYDRO	40	40	37	34	35	36	36	36	43	43	43	41	42	43				
7	MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
8	CAN. ENT. RETURN (CSPE)	-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2	-2			
9	CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10	RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
11	TOTAL HYDRO	139	139	136	133	134	135	135	135	142	143	143	141	142	143				
12	SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
14	CSPE PURCHASE	91	91	91	91	91	91	91	91	91	79	79	79	79	79	79			
15	RENEWABLES	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
16	COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17	IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
18	CONTRACTS IN	70	70	70	70	71	70	70	70	71	68	68	68	68	57				
19	LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	NON-UTILITY GENERATION	9	9	26	26	27	27	9	9	9	10	10	9	9	9	9			
21	TOTAL RESOURCES	311	311	325	322	325	325	307	307	315	302	302	299	300	290				
22	HYD,SM THRM & MISC RESERVES	-8	-8	-8	-8	-8	-8	-7	-7	-8	-8	-8	-8	-8	-8	-8			
23	LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
25	NET RESOURCES	303	303	317	314	317	317	300	300	307	294	294	291	292	282				
26	SURPLUS/DEFICIT	-4237	-4237	-4228	-4781	-5322	-5806	-6130	-5577	-5399	-5062	-5062	-4812	-4333	-4421				
27	DEDICATED RESOURCES	291	291	325	322	324	325	307	307	315	301	301	299	279	268				
28	BPA PWR SLE CNTRCT PURCH	4232	4232	4223	4776	5318	5800	6124	5571	5394	5058	5058	4807	4328	4416				
29	SURPLUS/DEFICIT W/PURCHASE	-5	-5	-5	-5	-4	-6	-6	-6	-5	-4	-4	-5	-5	-5	-5			
30	EXTREME WEATHER ADJUSTMENT	0	0	0	0	-941	-1022	-1073	-980	0	0	0	0	0	0	0			
31	SURPLUS/DEFICIT W/EXTRM WX	-5	-5	-5	-5	-945	-1028	-1079	-986	-5	-4	-4	-5	-5	-5	-5			
32	BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	941	1022	1073	980	0	0	0	0	0	0	0			
33	SURPLUS/DEFICIT AFT BPA OB	-5	-5	-5	-5	-4	-6	-6	-6	-5	-4	-4	-5	-5	-5	-5			

TABLE U-17

SMALL AND NONGENERATING PUBLIC AGENCIES
INCLUDING CLARK COUNTY PUD #1 AND GRAY HARBOR COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 ADJUSTED SYSTEM LOADS	4856	4856	4902	5481	5993	6457	6923	6304	6113	5692	5692	5410	4868	4957
2 EXPORTS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
3 CONTRACTS OUT	5	5	5	5	5	6	6	6	6	5	5	5	5	5
4 TOTAL LOADS	4881	4881	4907	5486	5998	6463	6929	6310	6119	5697	5697	5415	4894	4984
RESOURCES														
5 REGULATED HYDRO	102	102	102	102	102	102	102	102	102	102	102	102	102	102
6 INDEPENDENT HYDRO	48	48	45	42	43	44	44	44	51	51	51	49	50	51
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
9 CAN. ENT. RETURN (CANADA)	-1	-1	-1	-1	-1	-1	-1	-1	-1	-4	-4	-4	-4	-4
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	147	147	144	141	142	143	143	143	150	148	148	146	147	148
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	56	56	56	56	56	56	56	56	56	27	27	27	27	27
15 RENEWABLES	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	68	68	68	68	69	68	63	64	64	62	62	62	62	61
19 LARGE THERMAL	52	52	52	52	52	52	52	52	52	52	52	26	26	52
20 NON-UTILITY GENERATION	11	11	11	11	11	11	11	11	11	11	11	11	11	11
21 TOTAL RESOURCES	338	338	335	332	334	334	329	330	337	304	304	276	277	303
22 HYD.SM THRM & MISC RESERVES	-8	-8	-8	-8	-8	-8	-8	-8	-9	-9	-9	-8	-8	-9
23 LARGE THERMAL RESERVES	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-4	-4	-8
24 HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 NET RESOURCES	322	322	319	316	318	318	313	314	320	287	287	264	265	286
26 SURPLUS/DEFICIT	-4559	-4559	-4588	-5170	-5680	-6145	-6616	-5996	-5799	-5410	-5410	-5151	-4629	-4698
27 DEDICATED RESOURCES	258	258	275	272	274	274	269	270	277	244	244	242	222	221
28 BPA PWR SLE CNTRCT PURCH	4614	4614	4643	5225	5735	6199	6670	6050	5853	5465	5465	5180	4658	4753
29 SURPLUS/DEFICIT W/PURCHASE	55	55	55	55	55	54	54	54	54	55	55	29	29	55
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-1001	-1078	-1156	-1053	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	55	55	55	55	-946	-1024	-1102	-999	54	55	55	29	29	55
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	946	1024	1102	999	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	55	55	55	55	0	0	0	0	54	55	55	29	29	55

TABLE U-17

SMALL AND NONGENERATING PUBLIC AGENCIES
INCLUDING CLARK COUNTY PUD #1 AND GRAY HARBOR COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 ADJUSTED SYSTEM LOADS	5047	5047	5096	5730	6339	6875	7302	6642	6441	5990	5990	5690	5118	5199
2 EXPORTS	20	20	0	0	0	0	0	0	0	0	0	0	21	22
3 CONTRACTS OUT	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 TOTAL LOADS	5071	5071	5100	5734	6343	6879	7306	6646	6445	5994	5994	5694	5143	5225
RESOURCES														
5 REGULATED HYDRO	102	102	102	102	102	102	102	102	102	102	102	102	102	102
6 INDEPENDENT HYDRO	48	48	45	42	43	44	44	44	51	51	51	49	50	51
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	138	138	135	132	133	134	134	134	141	141	141	139	140	141
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	5	5	5	5	5	5	5	5	5	5	5	5	5	5
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	54	54	54	54	53	54	53	54	54	54	54	54	54	54
19 LARGE THERMAL	52	52	52	52	52	52	52	52	52	52	52	26	52	52
20 NON-UTILITY GENERATION	11	11	11	11	11	11	11	11	11	11	11	11	11	11
21 TOTAL RESOURCES	260	260	257	254	254	256	255	256	263	263	263	235	262	263
22 HYD, SM THRM & MISC RESERVES	-8	-8	-8	-8	-8	-8	-8	-8	-9	-8	-9	-8	-9	-9
23 LARGE THERMAL RESERVES	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8	-4	-8	-8
24 HYDRO MAINTENANCE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 NET RESOURCES	244	244	241	238	238	240	239	240	246	247	246	223	245	246
26 SURPLUS/DEFICIT	-4827	-4827	-4859	-5496	-6105	-6639	-7067	-6406	-6199	-5747	-5748	-5471	-4898	-4979
27 DEDICATED RESOURCES	180	180	197	194	194	196	195	196	203	203	203	201	181	181
28 BPA PWR SLE CNTRCT PURCH	4883	4883	4915	5552	6161	6695	7123	6462	6255	5803	5804	5501	4954	5035
29 SURPLUS/DEFICIT W/PURCHASE	56	56	56	56	56	56	56	56	56	56	56	30	56	56
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-1059	-1148	-1219	-1109	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	56	56	56	56	-1003	-1092	-1163	-1053	56	56	56	30	56	56
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	1003	1092	1163	1053	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	56	56	56	56	0	0	0	0	56	56	56	30	56	56

TABLE U-12

GENERATING PUBLIC AGENCIES
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941993 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	4244	4244	4423	5296	5944	6276	6373	6252	5850	5521	5521	5004	4545	4284
2 EXPORTS	89	89	136	105	74	41	41	41	41	41	41	41	103	103
3 CONTRACTS OUT	169	169	119	170	71	74	74	72	71	71	71	70	119	119
4 TOTAL LOADS	4502	4502	4678	5571	6089	6391	6488	6365	5962	5633	5633	5115	4767	4506

RESOURCES

5 REGULATED HYDRO	3682	3835	3880	3950	3894	3845	3649	3646	3670	3693	3847	3868	3888	3889
6 INDEPENDENT HYDRO	145	145	145	146	153	126	153	153	153	146	146	146	146	125
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-56	-56	-56	-56	-56	-56	-56	-56	-56	-49	-49	-49	-49	-49
9 CAN. ENT. RETURN CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	3771	3924	3969	4040	3991	3915	3746	3743	3767	3790	3944	3965	3985	3965
12 SMALL THERMAL & MISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	242	242	242	242	242	242	242	242	242	209	209	209	209	209
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	20	20	20	20	20	0	20	20	20	20	20	20	20	0
17 IMPORTS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
18 CONTRACTS IN	231	231	181	231	181	181	181	181	181	167	167	167	167	167
19 LARGE THERMAL	315	315	315	315	315	315	315	315	315	315	315	158	315	315
20 NON-UTILITY GENERATION	189	189	120	57	11	10	11	14	42	146	146	236	250	224
21 TOTAL RESOURCES	4912	5065	4991	5049	4890	4815	4702	4736	4807	4791	4945	4899	5090	5024
22 HYD,SM THRM & MISC RESERVES	-200	-209	-209	-210	-204	-200	-192	-192	-194	-201	-207	-214	-215	-212
23 LARGE THERMAL RESERVES	-48	-48	-48	-48	-47	-48	-48	-48	-48	-48	-48	-24	-48	-48
24 HYDRO MAINTENANCE	-578	-538	-482	-114	-81	-59	-74	-101	-212	-242	-245	-240	-249	-254
25 NET RESOURCES	4086	4270	4252	4677	4558	4508	4388	4395	4353	4300	4445	4421	4578	4510
26 SURPLUS/DEFICIT	-416	-232	-426	-894	-1531	-1883	-2100	-1970	-1609	-1333	-1188	-694	-189	4
27 DEDICATED RESOURCES	4558	4715	4715	4743	4653	4599	4462	4502	4559	4521	4674	4604	4798	4754
28 BPA PWR SLE CNTRCT PURCH	1234	1192	1314	1717	2053	2339	2495	2470	2172	2003	1995	1702	1339	1197
29 SURPLUS/DEFICIT W/PURCHASE	765	907	855	808	521	456	394	500	560	635	772	960	1095	1142
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-1032	-1096	-1107	-1094	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	765	907	855	808	-511	-640	-713	-594	560	635	772	960	1095	1142
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	547	653	675	585	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	765	907	855	808	36	13	-38	-10	560	635	772	960	1095	1142

TABLE U-18

GENERATING PUBLIC AGENCIES
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	4643	4643	4836	5731	6338	6655	6874	6722	6281	5915	5915	5342	4840	4564
2 EXPORTS	121	121	159	128	97	64	64	64	64	73	73	73	135	135
3 CONTRACTS OUT	169	169	119	170	71	74	74	72	71	71	71	70	119	119
4 TOTAL LOADS	4933	4933	5114	6029	6506	6793	7012	6858	6416	6059	6059	5485	5094	4818

RESOURCES

5 REGULATED HYDRO	3714	3870	3914	3977	3918	3869	3672	3669	3693	3716	3887	3857	3899	3888
6 INDEPENDENT HYDRO	145	145	145	146	153	126	153	153	153	146	146	146	146	125
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-34	-34	-34	-34	-34	-34	-34	-34	-34	-15	-15	-15	-15	-15
9 CAN. ENT. RETURN CANADA)	-9	-9	-9	-9	-9	-9	-9	-9	-9	-66	-66	-66	-66	-66
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	3816	3972	4016	4080	4028	3952	3782	3779	3803	3781	3952	3922	3964	3932
12 SMALL THERMAL & MISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	151	151	151	151	151	151	151	151	151	73	73	73	73	73
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	58	58	47	47	47	27	47	47	47	58	58	58	58	38
17 IMPORTS	143	143	143	143	129	197	232	266	285	155	155	143	143	143
18 CONTRACTS IN	174	174	124	174	124	124	124	124	124	86	86	86	86	86
19 LARGE THERMAL	315	315	315	315	315	315	315	315	315	315	315	158	158	315
20 NON-UTILITY GENERATION	189	189	120	56	10	10	11	14	41	146	146	237	249	224
21 TOTAL RESOURCES	4847	5003	4917	4967	4805	4777	4663	4697	4767	4615	4786	4678	4732	4812
22 HYD, SM THRM & MISC RESERVES	-205	-213	-211	-212	-207	-202	-195	-195	-197	-204	-212	-215	-218	-213
23 LARGE THERMAL RESERVES	-47	-47	-48	-48	-47	-48	-48	-48	-48	-48	-48	-24	-24	-48
24 HYDRO MAINTENANCE	-578	-538	-482	-114	-81	-59	-74	-101	-212	-242	-245	-240	-249	-254
25 NET RESOURCES	4017	4205	4176	4593	4470	4468	4346	4353	4310	4121	4281	4199	4241	4297
26 SURPLUS/DEFICIT	-916	-728	-938	-1436	-2036	-2325	-2666	-2505	-2106	-1938	-1778	-1286	-853	-521
27 DEDICATED RESOURCES	4524	4681	4680	4700	4607	4553	4415	4455	4510	4376	4547	4424	4481	4586
28 BPA PWR SLE CNTRCT PURCH	1466	1433	1503	1954	2335	2618	2904	2786	2466	2303	2296	1951	1543	1353
29 SURPLUS/DEFICIT W/PURCHASE	498	652	533	503	298	293	238	282	356	330	482	615	635	773
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-1100	-1161	-1188	-1171	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	498	652	533	503	-802	-868	-950	-889	356	330	482	615	635	773
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	724	766	772	741	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	498	652	533	503	-78	-102	-179	-149	356	330	482	615	635	773

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TABLE U-18

GENERATING PUBLIC AGENCIES
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

LOADS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FE3	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SYSTEM LOADS	4841	4841	5050	6048	6747	7122	7267	7107	6651	6268	6268	5656	5127	4829
2 EXPORTS	121	121	159	128	97	64	64	64	64	73	73	73	135	135
3 CONTRACTS OUT	164	164	114	164	64	64	64	64	64	64	64	64	114	114
4 TOTAL LOADS	5126	5126	5323	6340	6908	7250	7395	7235	6779	6405	6405	5793	5376	5078

RESOURCES

5 REGULATED HYDRO	3853	4008	4052	4115	4059	4009	3817	3808	3834	3855	4025	4004	4040	4061
6 INDEPENDENT HYDRO	145	145	145	146	153	126	153	153	153	146	146	146	146	125
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN CANADA)	-118	-118	-118	-118	-118	-118	-118	-118	-118	-118	-118	-118	-118	-118
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	3880	4035	4079	4143	4094	4017	3852	3843	3869	3883	4053	4032	4068	4068
12 SMALL THERMAL & MISC	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	58	58	47	47	47	27	47	47	47	58	58	58	58	38
17 IMPORTS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
18 CONTRACTS IN	106	106	56	106	56	56	56	56	56	56	56	56	56	56
19 LARGE THERMAL	315	315	315	315	315	315	315	315	315	315	315	158	315	315
20 NON-UTILITY GENERATION	189	189	120	56	10	10	11	14	41	145	146	236	249	223
21 TOTAL RESOURCES	4692	4847	4761	4811	4652	4577	4468	4496	4568	4601	4772	4684	4890	4844
22 HYD,SM THRM & MISC RESERVES	-212	-220	-219	-219	-214	-209	-202	-202	-204	-211	-219	-222	-224	-222
23 LARGE THERMAL RESERVES	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48	-24	-48	-48
24 HYDRO MAINTENANCE	-578	-538	-482	-114	-81	-59	-74	-101	-212	-242	-245	-240	-249	-254
25 NET RESOURCES	3854	4041	4012	4430	4309	4261	4144	4145	4104	4100	4260	4198	4369	4320
26 SURPLUS/DEFICIT	-1272	-1085	-1311	-1910	-2599	-2989	-3251	-3090	-2675	-2305	-2145	-1595	-1007	-758
27 DEDICATED RESOURCES	4410	4566	4564	4584	4494	4440	4305	4341	4397	4388	4559	4444	4652	4627
28 BPA PWR SLE CNTRCT PURCH	1711	1680	1729	2221	2786	2138	3401	3275	2878	2582	2555	2213	1719	1562
29 SURPLUS/DEFICIT W/PURCHASE	387	542	385	296	189	149	150	185	199	243	375	570	658	745
30 EXTREME WEATHER ADJUSTMENT	0	0	0	0	-1172	-1242	-1256	-1238	0	0	0	0	0	0
31 SURPLUS/DEFICIT W/EXTRM WX	387	542	385	296	-983	-1093	-1106	-1053	199	243	375	570	658	745
32 BPA POSSIBLE EXTRM WX OBLG	0	0	0	0	762	858	850	819	0	0	0	0	0	0
33 SURPLUS/DEFICIT AFTR BPA OB	387	542	385	296	-222	-235	-257	-235	199	243	375	570	658	745

SECTION XIV: Monthly Capacity Analysis
MISCELLANEOUS (FOR OYs 1994-95, 1998-99, AND 2003-04)

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of

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SECTION XIV: Monthly Capacity Analysis

MISCELLANEOUS (FOR OYs 1994-95, 1998-99, AND 2003-04)

SECTION XIV - MISCELLANEOUS (FOR OYs 1994-95, 1998-99, AND 2003-04)

Monthly Energy Analysis

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Federal Minimum Loads	M-5	TA-2-538

TABLE M-1

COLOCKUM TRANSMISSION COMPANY
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	183	183	183	183	183	183	183	183	183	183	183	183	183	183
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	109	109	109	109	109	109	109	109	109	109	109	109	109	109
4 TOTAL LOADS	292	292	292	292	292	292	292	292	292	292	292	292	292	292
RESOURCES														
5 REGULATED HYDRO	299	299	298	298	299	299	299	299	299	298	298	300	298	298
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-10	-10	-10	-10	-10	-10	-10	-10	-10	-9	-9	-9	-9	-9
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	289	289	288	288	289	289	289	289	289	289	289	291	289	289
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	20	20	20	20	20	20	20	20	20	18	18	18	18	18
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	309	309	308	308	309	309	309	309	309	307	307	309	307	307
22 HYD, SM THRM & MISC RESERVES	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-21	-21	-16	-10	-6	-6	0	0	-16	-21	-22	-28	-16	-26
25 NET RESOURCES	273	273	277	283	288	288	294	294	278	271	270	266	276	266
26 SURPLUS/DEFICIT	-19	-19	-15	-9	-4	-4	2	2	-14	-21	-22	-26	-16	-26

TABLE M-1

COLOCKUM TRANSMISSION COMPANY
LOADS AND RESOURCES

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	183	183	183	183	183	183	183	183	183	183	183	183	183	183
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	109	109	109	109	109	109	109	109	109	109	109	109	109	109
4 TOTAL LOADS	292	292	292	292	292	292	292	292	292	292	292	292	292	292
RESOURCES														
5 REGULATED HYDRO	299	298	298	298	299	299	300	299	299	298	298	300	299	298
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	-6	-6	-6	-6	-6	-6	-6	-6	-6	-3	-3	-3	-3	-3
9 CAN. ENT. RETURN (CANADA)	-2	-2	-2	-2	-2	-2	-2	-2	-2	-12	-12	-12	-12	-12
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	291	290	290	290	291	291	292	291	291	283	283	285	284	283
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	12	12	12	12	12	12	12	12	12	6	6	6	6	6
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	303	302	302	302	303	303	304	303	303	289	289	291	290	289
22 HYD, SM THRM & MISC RESERVES	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-21	-21	-16	-10	-6	-6	0	0	-16	-21	-22	-28	-16	-26
25 NET RESOURCES	267	266	271	277	282	282	289	288	272	253	252	248	259	248
26 SURPLUS/DEFICIT	-25	-26	-21	-15	-10	-10	-3	-4	-20	-39	-40	-44	-33	-44

TABLE M-1

COLOCKUM TRANSMISSION COMPANY
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>														
LOADS														
1 SYSTEM LOADS	183	183	183	183	183	183	183	183	183	183	183	183	183	183
2 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 CONTRACTS OUT	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4 TOTAL LOADS	189	189	189	189	189	189	189	189	189	189	189	189	189	189
<hr/>														
RESOURCES														
5 REGULATED HYDRO	299	298	298	298	299	299	300	299	299	298	298	300	299	298
6 INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	277	276	276	276	277	277	278	277	277	276	276	278	277	276
12 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL RESOURCES	277	276	276	276	277	277	278	277	277	276	276	278	277	276
22 HYD,SM THRM & MISC RESERVES	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
23 LARGE THERMAL RESERVES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 HYDRO MAINTENANCE	-21	-21	-16	-10	-6	-6	0	0	-16	-21	-22	-28	-16	-26
25 NET RESOURCES	241	240	245	251	256	256	263	262	246	240	239	235	246	235
26 SURPLUS/DEFICIT	52	51	56	62	67	67	74	73	57	51	50	46	57	46

TABLE M-2

MONTANA POWER COMPANY TOTAL
LOADS AND RESOURCES

		1993 WHITEBOOK: 12/19/93 RUN DATE: 01/19/94													
		M E D I U M L O A D S													
		1994-95 OPERATING YEAR													
1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS	1 SYSTEM LOADS	1172	1172	1123	1164	1186	1391	1485	1437	1242	1145	1145	1115	1126	1211
	2 EXPORTS	111	111	111	111	111	111	111	111	111	111	111	111	111	111
	3 CONTRACTS OUT	179	179	129	129	129	104	104	104	104	10	10	104	104	179
	4 TOTAL LOADS	1462	1462	1363	1404	1426	1606	1700	1652	1457	1266	1266	1330	1341	1501
RESOURCES	5 REGULATED HYDRO	200	200	200	199	198	197	195	193	188	232	231	235	242	245
	6 INDEPENDENT HYDRO	280	280	293	234	251	262	271	250	268	270	270	261	292	285
	7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	11 TOTAL HYDRO	480	480	493	433	449	459	466	443	456	502	501	496	534	530
	12 SMALL THERMAL & MISC	156	156	156	156	216	216	216	216	156	156	156	156	0	156
	13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	18 CONTRACTS IN	203	203	203	255	280	305	305	280	255	203	203	203	203	203
	19 LARGE THERMAL	645	645	645	645	645	645	645	645	645	486	318	486	645	645
	20 NON-UTILITY GENERATION	44	44	45	48	46	45	45	45	45	47	48	48	100	98
21 TOTAL RESOURCES		1527	1527	1542	1536	1636	1670	1677	1628	1559	1395	1226	1389	1482	1632
22 HYD,SM THRM & MISC RESERVES		32	32	32	29	33	34	34	33	31	33	33	33	27	34
23 LARGE THERMAL RESERVES		97	97	97	97	97	97	97	97	97	73	48	73	97	97
24 HYDRO MAINTENANCE		-34	-34	0	0	0	0	0	-10	-20	0	0	0	-1	-5
25 NET RESOURCES		1622	1622	1671	1662	1766	1800	1807	1748	1667	1501	1307	1494	1604	1758
26 SURPLUS/DEFICIT		160	160	308	258	339	195	108	97	209	235	41	165	263	257

TABLE M-2

MONTANA POWER COMPANY TOTAL
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	1174	1174	1161	1186	1209	1424	1500	1459	1259	1149	1149	1110	1101	1205
2 EXPORTS	111	111	111	111	111	111	111	111	111	111	111	111	111	111
3 CONTRACTS OUT	94	94	94	94	94	94	94	94	94	0	0	94	94	94
4 TOTAL LOADS	1379	1379	1366	1391	1414	1629	1705	1664	1464	1260	1260	1315	1306	1410
RESOURCES														
5 REGULATED HYDRO	245	245	245	244	242	239	236	233	232	231	232	235	242	245
6 INDEPENDENT HYDRO	280	280	293	234	251	262	271	250	268	270	270	261	292	285
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	525	525	538	478	493	501	507	483	500	501	502	496	534	530
12 SMALL THERMAL & MISC	156	156	156	156	216	216	216	216	216	216	216	216	60	216
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	100	100	100	100	100	100	100	100	100	100	100	100	100	100
19 LARGE THERMAL	645	645	645	645	645	645	645	645	645	486	318	486	645	645
20 NON-UTILITY GENERATION	96	96	97	100	98	97	97	97	99	100	100	100	100	98
21 TOTAL RESOURCES	1521	1521	1536	1478	1552	1559	1565	1540	1560	1403	1236	1398	1439	1589
22 HYD, SM THRM & MISC RESERVES	34	34	35	32	35	36	36	35	36	36	36	36	30	37
23 LARGE THERMAL RESERVES	97	97	97	97	97	97	97	97	97	73	48	73	97	97
24 HYDRO MAINTENANCE	-34	-34	0	0	0	0	0	-10	-20	0	0	0	-1	-5
25 NET RESOURCES	1618	1618	1667	1606	1684	1691	1697	1662	1673	1512	1320	1506	1564	1718
26 SURPLUS/DEFICIT	239	239	301	216	270	62	-8	-2	209	252	60	191	259	308

TABLE M-2

MONTANA POWER COMPANY TOTAL
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LOADS														
1 SYSTEM LOADS	1180	1180	1181	1196	1225	1453	1528	1497	1291	1179	1179	1143	1118	1234
2 EXPORTS	111	111	111	111	111	111	111	111	111	111	111	111	111	111
3 CONTRACTS OUT	94	94	94	94	94	94	94	94	94	0	0	94	94	94
4 TOTAL LOADS	1385	1385	1386	1401	1430	1658	1733	1702	1496	1290	1290	1348	1323	1439
RESOURCES														
5 REGULATED HYDRO	245	245	245	244	242	239	236	233	232	231	232	235	242	245
6 INDEPENDENT HYDRO	280	280	293	234	251	262	271	250	268	270	270	261	292	285
7 MAY WATER BUDGET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 CAN. ENT. RETURN (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CAN. ENT. RETURN (CANADA)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL HYDRO	525	525	538	478	493	501	507	483	500	501	502	496	534	530
12 SMALL THERMAL & MISC	216	216	156	156	216	216	216	216	216	216	216	216	60	216
13 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 IMPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 LARGE THERMAL	645	645	645	645	645	645	645	645	645	486	318	486	645	645
20 NON-UTILITY GENERATION	96	96	97	100	98	97	97	97	99	100	100	100	100	98
21 TOTAL RESOURCES	1481	1481	1436	1378	1452	1459	1465	1440	1460	1303	1136	1298	1339	1489
22 HYD,SM THRM & MISC RESERVES	37	37	35	32	35	36	36	35	36	36	36	36	30	37
23 LARGE THERMAL RESERVES	97	97	97	97	97	97	97	97	97	73	48	73	97	97
24 HYDRO MAINTENANCE	-34	-34	0	0	0	0	0	-10	-20	0	0	0	-1	-5
25 NET RESOURCES	1581	1581	1567	1506	1584	1591	1597	1562	1573	1412	1220	1406	1464	1618
26 SURPLUS/DEFICIT	196	196	181	105	154	-66	-136	-140	77	122	-70	59	141	179

TABLE M-3

NON-NORTHWEST UTILITY TRANSACTIONS
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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COGENERATION

1 WAPA PURCH OF LONGVIEW FIBRE	45	45	45	45	45	45	45	45	45	45	45	45	45
--------------------------------	----	----	----	----	----	----	----	----	----	----	----	----	----

THERMAL

2 SDG&E SHARE OF BOARDMAN	71	71	71	71	71	71	71	71	71	71	0	71	71
---------------------------	----	----	----	----	----	----	----	----	----	----	---	----	----

3 TURLOCK SHARE OF BOARDMAN	50	50	50	50	50	50	50	50	50	50	0	50	50
-----------------------------	----	----	----	----	----	----	----	----	----	----	---	----	----

4 TOTAL	166	166	166	166	166	166	166	166	166	166	45	166	166
---------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	-----	-----

TABLE M-3

NON-NORTHWEST UTILITY TRANSACTIONS
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1993 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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COGENERATION

1 WAPA PURCH OF LONGVIEW FIBRE	45	45	45	45	45	45	45	45	45	45	45	45	45
--------------------------------	----	----	----	----	----	----	----	----	----	----	----	----	----

THERMAL

2 SDG&E SHARE OF BOARDMAN	71	71	71	71	71	71	71	71	71	71	0	71	71
---------------------------	----	----	----	----	----	----	----	----	----	----	---	----	----

3 TURLOCK SHARE OF BOARDMAN	50	50	50	50	50	50	50	50	50	50	0	50	50
-----------------------------	----	----	----	----	----	----	----	----	----	----	---	----	----

4 TOTAL	166	166	166	166	166	166	166	166	166	166	45	166	166
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TABLE M-3

NON-NORTHWEST UTILITY TRANSACTIONS
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
COGENERATION														
1 WAPA PURCH OF LONGVIEW FIBRE	45	45	45	45	45	45	45	45	45	45	45	45	45	45
THERMAL														
2 SDG&E SHARE OF BOARDMAN	71	71	71	71	71	71	71	71	71	71	71	0	71	71
3 TURLOCK SHARE OF BOARDMAN	50	50	50	50	50	50	50	50	50	50	50	0	50	50
4 TOTAL	166	166	166	166	166	166	166	166	166	166	166	45	166	166

TABLE M-4

PEND OREILLE COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

RESOURCES AVAILABLE TO SERVE LOAD

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 BOX CANYON	47	47	47	47	47	47	47	47	47	47	47	47	47	47
2 SEATTLE TO P.O. (BOUNDARY)	28	28	28	28	28	28	28	28	28	28	28	28	28	28
3 TOTAL RESOURCES	75	75	75	75	75	75	75	75	75	75	75	75	75	75
4 PONDERAY FIBRE MILL	75	75	75	75	75	75	75	75	75	75	75	75	75	75
5 SURPLUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE M-4

PEND OREILLE COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

RESOURCES AVAILABLE TO SERVE LOAD

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 BOX CANYON	43	43	43	43	43	43	43	43	43	43	43	43	43	43
2 SEATTLE TO P.O. (BOUNDARY)	32	32	32	32	32	32	32	32	32	32	32	32	32	32
3 TOTAL RESOURCES	75	75	75	75	75	75	75	75	75	75	75	75	75	75
4 PONDERAY FIBRE MILL	75	75	75	75	75	75	75	75	75	75	75	75	75	75
5 SURPLUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE M-4

PEND OREILLE COUNTY PUD #1
LOADS AND RESOURCES

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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RESOURCES AVAILABLE TO SERVE LOAD

1 BOX CANYON	39	39	39	39	39	39	39	39	39	39	39	39	39
2 SEATTLE TO P.O.(BOUNDARY)	36	36	36	36	36	36	36	36	36	36	36	36	36
3 TOTAL RESOURCES	75	75	75	75	75	75	75	75	75	75	75	75	75
4 PONDERAY FIBRE MILL	75	75	75	75	75	75	75	75	75	75	75	75	75
5 SURPLUS	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE M-5

FEDERAL MINIMUM LOADS FOR FORCED SALE REDUCTION
REFLECTING NIGHTTIME RETURN PROBLEMS AND MINIMUM FEDERAL HYDRO

1930 WATER YEAR PEAK IN MEGAWATTS	M E D I U M L O A D S														1993 WHITEBOOK: 12/19/93		
	1994-95 OPERATING YEAR														RUN DATE: 01/19/94		
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL			

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

NIGHTTIME MINIMUM LOADS

1	FEDERAL AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0
2	USBR	0	0	0	0	0	0	0	0	0	0	0	0	0
3	FED AGENCIES LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0
4	DSI FIRM (ALUM & NON-ALUM)	0	0	0	0	0	0	0	0	0	0	0	0	0
5	DSI FIRM LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0
6	EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0
7	CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0
8	SUPP & ENTIT TO WEST GROUP	0	0	0	0	0	0	0	0	0	0	0	0	0
9	CSPE TO WEST GROUP UTIL	0	0	0	0	0	0	0	0	0	0	0	0	0
10	SMALL NON GEN UTIL PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0
11	GEN PUBLIC AGEN PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0
12	GEN PRIVATE UTIL PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0
13	FIRM NIGHTTIME MIN LOADS	0	0	0	0	0	0	0	0	0	0	0	0	0
14	INDUSTRIAL TOP QUARTILE	0	0	0	0	0	0	0	0	0	0	0	0	0
15	INDUSTRIAL TOP QUART LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TOTAL NIGHTTIME MIN LOADS	0	0	0	0	0	0	0	0	0	0	0	0	0

NIGHTTIME MINIMUM RESOURCES

17	MINIMUM SYSTEM HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0
18	MINIMUM INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0
19	CAN. ENT. NON-FEDERAL	0	0	0	0	0	0	0	0	0	0	0	0	0
20	RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0
21	TOTAL MINIMUM HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0
22	SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0
23	COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0
24	RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0
25	COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0
26	LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0
27	FED PLANNED ACQUISITIONS	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE M-5 (CONTINUED)

FEDERAL MINIMUM LOADS FOR FORCED SALE REDUCTION
REFLECTING NIGHTTIME RETURN PROBLEMS AND MINIMUM FEDERAL HYDRO

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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NIGHTTIME EXPORT RETURNS

28A ANAHEIM TO BPA PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0
28B MSR TO BPA PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
28C RVRSIDE TO BPA PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0
28D SDGE TO BPA PK REP R<VARY>	0	0	0	0	0	0	0	0	0	0	0	0	0
28E SMUD TO BPA PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
28F SCE TO BPA OPT PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0

NIGHTTIME CONTRACT RETURNS

29A SUPP ENT CAP R<1:1.25>	0	0	0	0	0	0	0	0	0	0	0	0	0
29B PP&L TO BPA, BR PK R<VARY>	0	0	0	0	0	0	0	0	0	0	0	0	0
29C PGE TO BPA, PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
29D MPC TO BPA, PK R R<1:1.05>	0	0	0	0	0	0	0	0	0	0	0	0	0
29E WWP TO BPA, PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
29F WNP3 SETTLE TO BPA R<1:2>	0	0	0	0	0	0	0	0	0	0	0	0	0
30 TOTAL MINIMUM RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0
31 FIRM NON-RETURNABLE S/D	0	0	0	0	0	0	0	0	0	0	0	0	0
32 TOTAL NON-RETURNABLE S/D	0	0	0	0	0	0	0	0	0	0	0	0	0
33 FIRM FORCED SALE AT 50 HR	0	0	0	0	0	0	0	0	0	0	0	0	0
34 TOTAL FORCED SALE AT 50 HR	0	0	0	0	0	0	0	0	0	0	0	0	0
35 FIRM 1-HOUR ROOM @ 50-H SAL	0	0	0	0	0	0	0	0	0	0	0	0	0
36 TOT 1-HOUR ROOM @ 50-H SAL	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.

2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001.
THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.

3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
A. BGP TO BPA, SUPPLEMENTAL ENERGY
B. SCE TO BPA, SUPPLEMENTAL ENERGY
C. SCE TO BPA, OPTION ENERGY

TABLE M-5

FEDERAL MINIMUM LOADS FOR FORCED SALE REDUCTION
REFLECTING NIGHTTIME RETURN PROBLEMS AND MINIMUM FEDERAL HYDRO

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

M E D I U M L O A D S

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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NIGHTTIME MINIMUM LOADS

- 1 FEDERAL AGENCIES
- 2 USBR
- 3 FED AGENCIES LOSSES
- 4 DSI FIRM (ALUM & NON-ALUM)
- 5 DSI FIRM LOSSES
- 6 EXPORTS
- 7 CONTRACTS OUT
- 8 SUPP & ENTIT TO WEST GROUP
- 9 CSPE TO WEST GROUP UTIL
- 10 SMALL NON GEN UTIL PURCH
- 11 GEN PUBLIC AGEN PURCH
- 12 GEN PRIVATE UTIL PURCH

- 13 FIRM NIGHTTIME MIN LOADS
- 14 INDUSTRIAL TOP QUARTILE
- 15 INDUSTRIAL TOP QUART LOSSES
- 16 TOTAL NIGHTTIME MIN LOADS

NIGHTTIME MINIMUM RESOURCES

- 17 MINIMUM SYSTEM HYDRO
- 18 MINIMUM INDEPENDENT HYDRO
- 19 CAN. ENT. NON-FEDERAL
- 20 RESTORATION
- 21 TOTAL MINIMUM HYDRO
- 22 SMALL THERMAL & MISC
- 23 COMBUSTION TURBINES
- 24 RENEWABLES
- 25 COGENERATION
- 26 LARGE THERMAL
- 27 FED PLANNED ACQUISITIONS

TABLE M-5 (CONTINUED)

FEDERAL MINIMUM LOADS FOR FORCED SALE REDUCTION
REFLECTING NIGHTTIME RETURN PROBLEMS AND MINIMUM FEDERAL HYDRO

M E D I U M L O A D S

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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NIGHTTIME EXPORT RETURNS

28A ANAHEIM TO BPA PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0
28B MSR TO BPA PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
28C RVRSIDE TO BPA PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0
28D SDGE TO BPA PK REP R<VARY>	0	0	0	0	0	0	0	0	0	0	0	0	0
28E SMUD TO BPA PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
28F SCE TO BPA OPT PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0

NIGHTTIME CONTRACT RETURNS

29A SUPP ENT CAP R<1:1.25>	0	0	0	0	0	0	0	0	0	0	0	0	0
29B PP&L TO BPA, BR PK R<VARY>	0	0	0	0	0	0	0	0	0	0	0	0	0
29C PGE TO BPA, PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
29D MPC TO BPA, PK R R<1:1.05>	0	0	0	0	0	0	0	0	0	0	0	0	0
29E WWP TO BPA, PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
29F WNP3 SETTLE TO BPA R<1:2>	0	0	0	0	0	0	0	0	0	0	0	0	0
30 TOTAL MINIMUM RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0
31 FIRM NON-RETURNABLE S/D	0	0	0	0	0	0	0	0	0	0	0	0	0
32 TOTAL NON-RETURNABLE S/D	0	0	0	0	0	0	0	0	0	0	0	0	0
33 FIRM FORCED SALE AT 50 HR	0	0	0	0	0	0	0	0	0	0	0	0	0
34 TOTAL FORCED SALE AT 50 HR	0	0	0	0	0	0	0	0	0	0	0	0	0
35 FIRM 1-HOUR ROOM @ 50-H SAL	0	0	0	0	0	0	0	0	0	0	0	0	0
36 TOT 1-HOUR ROOM @ 50-H SAL	0	0	0	0	0	0	0	0	0	0	0	0	0

- NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.
2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.
3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
- A. BGP TO BPA, SUPPLEMENTAL ENERGY
 - B. SCE TO BPA, SUPPLEMENTAL ENERGY
 - C. SCE TO BPA, OPTION ENERGY

TABLE M-5

FEDERAL MINIMUM LOADS FOR FORCED SALE REDUCTION
REFLECTING NIGHTTIME RETURN PROBLEMS AND MINIMUM FEDERAL HYDRO

1930 WATER YEAR PEAK IN MEGAWATTS	M E D I U M L O A D S												1993 WHITEBOOK: 12/19/93
	2003- 4 OPERATING YEAR												RUN DATE: 01/19/94
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

NIGHTTIME MINIMUM LOADS

1 FEDERAL AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 FED AGENCIES LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 DSI FIRM (ALUM & NON-ALUM)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 DSI FIRM LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EXPORTS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 SUPP & ENTIT TO WEST GROUP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 CSPE TO WEST GROUP UTIL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 SMALL NON GEN UTIL PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 GEN PUBLIC AGEN PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 GEN PRIVATE UTIL PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 FIRM NIGHTTIME MIN LOADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 INDUSTRIAL TOP QUARTILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 INDUSTRIAL TOP QUART LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 TOTAL NIGHTTIME MIN LOADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NIGHTTIME MINIMUM RESOURCES

17 MINIMUM SYSTEM HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 MINIMUM INDEPENDENT HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 CAN. ENT. NON-FEDERAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 TOTAL MINIMUM HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 SMALL THERMAL & MISC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 COMBUSTION TURBINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 RENEWABLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 COGENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 LARGE THERMAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 FED PLANNED ACQUISITIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE M-5 (CONTINUED)

FEDERAL MINIMUM LOADS FOR FORCED SALE REDUCTION
REFLECTING NIGHTTIME RETURN PROBLEMS AND MINIMUM FEDERAL HYDRO

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
-------------	--------------	-----	-----	-----	-----	-----	-----	-----	-------------	--------------	-----	-----	-----

NIGHTTIME EXPORT RETURNS

28A ANAHEIM TO BPA PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0
28B MSR TO BPA PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
28C RVRSIDE TO BPA PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0
28D SDGE TO BPA PK REP R<VARY>	0	0	0	0	0	0	0	0	0	0	0	0	0
28E SMUD TO BPA PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
28F SCE TO BPA OPT PK R R<1:1>	0	0	0	0	0	0	0	0	0	0	0	0	0

NIGHTTIME CONTRACT RETURNS

29A SUPP ENT CAP R<1:1.25>	0	0	0	0	0	0	0	0	0	0	0	0	0
29B PP&L TO BPA, BR PK R<VARY>	0	0	0	0	0	0	0	0	0	0	0	0	0
29C PGE TO BPA, PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
29D MPC TO BPA, PK R R<1:1.05>	0	0	0	0	0	0	0	0	0	0	0	0	0
29E WWP TO BPA, PK REP R<1:.6>	0	0	0	0	0	0	0	0	0	0	0	0	0
29F WNP3 SETTLE TO BPA R<1:2>	0	0	0	0	0	0	0	0	0	0	0	0	0
30 TOTAL MINIMUM RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0
31 FIRM NON-RETURNABLE S/D	0	0	0	0	0	0	0	0	0	0	0	0	0
32 TOTAL NON-RETURNABLE S/D	0	0	0	0	0	0	0	0	0	0	0	0	0
33 FIRM FORCED SALE AT 50 HR	0	0	0	0	0	0	0	0	0	0	0	0	0
34 TOTAL FORCED SALE AT 50 HR	0	0	0	0	0	0	0	0	0	0	0	0	0
35 FIRM 1-HOUR ROOM @ 50-H SAL	0	0	0	0	0	0	0	0	0	0	0	0	0
36 TOT 1-HOUR ROOM @ 50-H SAL	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.

2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001.
THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.

3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
A. BGP TO BPA, SUPPLEMENTAL ENERGY
B. SCE TO BPA, SUPPLEMENTAL ENERGY
C. SCE TO BPA, OPTION ENERGY

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SECTION XV: Monthly Capacity Analysis

SUPPORTING TABLES (FOR OYs 1994-95, 1998-99, AND 2003-04)

SECTION XV - SUPPORTING TABLES (FOR OYs 1993-94, 1998-99, AND 2003-04)

Monthly Capacity Analysis

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TABLE A-1

SHEET 1 OF 2

MEDIUM LOADS
1993 BPA LOAD FORECAST

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>														
FIRM LOADS														
1A FEDERAL AGENCIES	201	201	192	201	205	234	220	226	215	204	204	194	196	197
1B FEDERAL + GEN PUB LOSSES	206	206	218	267	338	381	419	382	345	298	298	268	220	208
1C USBR	198	198	156	75	7	4	4	3	9	99	99	169	197	204
1D DSI ALUMINUM FIRM	2064	2064	2064	2064	2064	2064	2042	2042	2042	2042	2042	2042	2042	2028
1E DSI NON-ALUMINUM FIRM	167	167	167	183	182	174	191	208	208	208	208	216	216	207
1F DSI FIRM LOSSES	65	65	67	72	79	83	87	85	81	77	77	75	67	65
<hr/>														
1 BPA NON UTILITY LOADS	2901	2901	2864	2862	2875	2940	2963	2946	2900	2928	2928	2964	2938	2909
<hr/>														
2 CHELAN COUNTY PUD #1	200	200	202	238	259	274	280	265	251	233	233	212	198	206
3 COLOCKUM TRANSMISSION CO.	183	183	183	183	183	183	183	183	183	183	183	183	183	183
4 COWLITZ COUNTY PUD #1	589	589	591	659	705	705	731	710	721	697	697	659	620	591
5 DOUGLAS COUNTY PUD #1	88	88	81	101	115	119	131	117	112	102	102	86	87	89
6 EUGENE WATER & ELEC BOARD	314	314	378	454	504	548	555	545	491	453	453	419	354	336
7 GRANT COUNTY PUD #2	425	425	401	368	399	428	458	450	387	382	382	428	449	416
8 IDAHO POWER COMPANY	2191	2191	1899	1830	1979	2065	2119	2056	1853	1821	1821	2071	2380	2411
9 MONTANA POWER CO. REGIONAL	410	410	393	407	415	486	519	502	434	400	400	390	394	424
10 PACIFIC POWER & LIGHT	2723	2723	2632	2986	3274	3608	3763	3742	3422	3218	3218	2803	2635	2747
11 PEND OREILLE COUNTY PUD #1	110	110	109	120	125	140	139	122	130	126	126	119	114	110
12 PORTLAND GENERAL ELECTRIC	2648	2648	2489	2813	3075	3316	3530	3154	3000	2861	2861	2646	2439	2528
13 PUGET SOUND POWER & LIGHT	2423	2423	2630	3379	3656	4151	4321	4243	3919	3520	3520	3055	2864	2484
14 SEATTLE CITY LIGHT	1221	1221	1218	1502	1715	1734	1795	1716	1673	1549	1549	1379	1231	1249
15 SMALL & NON GEN PUBLICS	4515	4515	4540	5090	5634	6117	6424	5871	5701	5351	5351	5098	4599	4676
16 SNOHOMISH COUNTY PUD #1	628	628	714	983	1132	1296	1238	1294	1125	1075	1075	884	783	613
17 TACOMA PUBLIC UTILITIES	669	669	729	871	990	1032	1046	1033	960	904	904	818	709	674
18 UTAH POWER & LIGHT	345	345	265	244	243	279	253	267	234	162	162	196	405	485
19 WASHINGTON WATER POWER	1135	1135	1129	1282	1375	1454	1565	1549	1342	1229	1229	1146	1119	1122
<hr/>														
20 REGIONAL FIRM LOADS	23718	23718	23447	26372	28653	30875	32013	30765	28838	27194	27194	25556	24501	24253
<hr/>														
REGIONAL FIRM LOADS														
21 FEDERAL SYSTEM	2901	2901	2864	2862	2875	2940	2963	2946	2900	2928	2928	2964	2938	2909
22 PUBLIC AGENCIES W/COLOCKUM	8942	8942	9146	10569	11761	12576	12980	12306	11734	11055	11055	10285	9327	9143
23 PRIVATE UTILITIES	11875	11875	11437	12941	14017	15359	16070	15513	14204	13211	13211	12307	12236	12201
<hr/>														
24 REGIONAL FIRM LOADS	23718	23718	23447	26372	28653	30875	32013	30765	28838	27194	27194	25556	24501	24253

TABLE A-1 (CONTINUED)

SHEET 2 OF 2

MEDIUM LOADS
1993 BPA LOAD FORECAST
1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
INTERRUPTIBLE LOADS														
25 DSI ALUMINUM TOP QUARTILE	343	343	343	343	343	343	681	681	681	681	681	681	681	676
26 DSI NON-ALUM TOP QUARTILE	56	56	56	61	61	58	64	69	69	69	69	72	72	69
27 OTHER INTERRUPTIBLE (UTAH)	178	178	178	178	178	178	178	178	178	178	178	178	178	178
28 DSI TOP QUARTILE LOSSES	12	12	12	13	14	15	29	29	27	26	26	25	23	22
29 REGIONAL INTERRUPT. LOADS	588	588	589	595	596	594	951	956	955	953	953	955	953	945
REGIONAL INTERRUPTIBLE LOADS														
30 FEDERAL SYSTEM	410	410	411	417	418	416	773	778	777	775	775	777	775	767
31 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 PRIVATE UTILITIES	178	178	178	178	178	178	178	178	178	178	178	178	178	178
33 REGIONAL INTERRUPT. LOADS	588	588	589	595	596	594	951	956	955	953	953	955	953	945
REGIONAL TOTAL LOADS														
34 FEDERAL SYSTEM	3311	3311	3275	3279	3293	3356	3736	3724	3677	3703	3703	3741	3713	3676
35 PUBLIC AGENCIES	8942	8942	9146	10569	11761	12576	12980	12306	11734	11055	11055	10285	9327	9143
36 PRIVATE UTILITIES	12053	12053	11615	13119	14195	15537	16248	15691	14382	13389	13389	12485	12414	12379
37 REGIONAL TOTAL LOADS	24306	24306	24036	26967	29249	31469	32964	31721	29793	28147	28147	26511	25454	25198

TABLE A-1

SHEET 1 OF 2

MEDIUM LOADS
1993 BPA LOAD FORECAST

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
FIRM LOADS														
1A FEDERAL AGENCIES	206	206	196	207	211	241	225	233	221	209	209	199	201	202
1B FEDERAL + GEN PUB LOSSES	203	203	214	264	344	387	430	391	350	293	293	259	208	198
1C USBR	199	199	157	76	7	4	4	3	9	99	99	169	197	204
1D DSI ALUMINUM FIRM	1837	1837	1837	1837	1837	1837	1836	1836	1836	1834	1834	1834	1834	1833
1E DSI NON-ALUMINUM FIRM	233	233	232	230	228	200	207	223	222	220	220	218	217	207
1F DSI FIRM LOSSES	60	60	62	66	72	76	79	78	74	70	70	68	61	59
1 BPA NON UTILITY LOADS	2738	2738	2698	2680	2699	2745	2781	2764	2712	2725	2725	2747	2718	2703
2 CHELAN COUNTY PUD #1	227	227	229	269	290	307	322	303	284	261	261	236	220	227
3 COLOCKUM TRANSMISSION CO.	183	183	183	183	183	183	183	183	183	183	183	183	183	183
4 COWLITZ COUNTY PUD #1	623	623	625	689	724	720	752	729	739	714	714	673	632	614
5 DOUGLAS COUNTY PUD #1	92	92	85	106	119	123	139	124	118	106	106	89	90	93
6 EUGENE WATER & ELEC BOARD	344	344	413	490	536	579	601	589	529	489	489	450	378	356
7 GRANT COUNTY PUD #2	463	463	436	396	422	451	487	477	410	404	404	451	473	441
8 IDAHO POWER COMPANY	2327	2327	2024	1940	2093	2181	2239	2172	1960	1922	1922	2186	2503	2538
9 MONTANA POWER CO. REGIONAL	411	411	406	415	423	498	525	510	440	402	402	388	385	421
10 PACIFIC POWER & LIGHT	2962	2962	2864	3252	3566	3938	4087	4075	3728	3502	3502	3049	2866	2987
11 PEND OREILLE COUNTY PUD #1	115	115	115	125	128	144	147	127	137	131	131	124	118	113
12 PORTLAND GENERAL ELECTRIC	2662	2662	2488	2808	3072	3285	3524	3144	2978	2835	2835	2619	2428	2532
13 PUGET SOUND POWER & LIGHT	2691	2691	2922	3752	4060	4610	4746	4661	4304	3868	3868	3357	3145	2728
14 SEATTLE CITY LIGHT	1329	1329	1323	1614	1816	1825	1942	1852	1804	1669	1669	1481	1320	1325
15 SMALL & NON GEN PUBLICS	4856	4856	4902	5481	5993	6457	6923	6304	6113	5692	5692	5410	4868	4957
16 SNOHOMISH COUNTY PUD #1	689	689	783	1064	1208	1372	1313	1367	1188	1134	1134	929	823	652
17 TACOMA PUBLIC UTILITIES	761	761	827	978	1095	1134	1171	1154	1072	1007	1007	909	786	743
18 UTAH POWER & LIGHT	366	366	287	267	271	310	278	288	258	181	181	214	429	504
19 WASHINGTON WATER POWER	1171	1171	1154	1294	1380	1454	1568	1555	1350	1239	1239	1160	1143	1150
20 REGIONAL FIRM LOADS	25010	25010	24764	27803	30078	32316	33728	32378	30307	28464	28464	26655	25508	25267
REGIONAL FIRM LOADS														
21 FEDERAL SYSTEM	2738	2738	2698	2680	2699	2745	2781	2764	2712	2725	2725	2747	2718	2703
22 PUBLIC AGENCIES W/COLOCKUM	9682	9682	9921	11395	12514	13295	13980	13209	12577	11790	11790	10935	9891	9704
23 PRIVATE UTILITIES	12590	12590	12145	13728	14865	16276	16967	16405	15018	13949	13949	12973	12899	12860
24 REGIONAL FIRM LOADS	25010	25010	24764	27803	30078	32316	33728	32378	30307	28464	28464	26655	25508	25267

TABLE A-1 (CONTINUED)

SHEET 2 OF 2

MEDIUM LOADS
1993 BPA LOAD FORECAST

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
INTERRUPTIBLE LOADS														
25 DSI ALUMINUM TOP QUARTILE	612	612	612	612	612	612	612	612	612	611	611	611	611	611
26 DSI NON-ALUM TOP QUARTILE	78	78	77	77	76	67	69	74	74	73	73	73	72	69
27 OTHER INTERRUPTIBLE (UTAH)	178	178	178	178	178	178	178	178	178	178	178	178	178	178
28 DSI TOP QUARTILE LOSSES	20	20	21	22	24	25	27	26	25	23	23	23	21	20
29 REGIONAL INTERRUPT. LOADS	888	888	888	889	891	882	885	890	888	886	886	885	882	877
REGIONAL INTERRUPTIBLE LOADS														
30 FEDERAL SYSTEM	710	710	710	711	713	704	707	712	710	708	708	707	704	699
31 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 PRIVATE UTILITIES	178	178	178	178	178	178	178	178	178	178	178	178	178	178
33 REGIONAL INTERRUPT. LOADS	888	888	888	889	891	882	885	890	888	886	886	885	882	877
REGIONAL TOTAL LOADS														
34 FEDERAL SYSTEM	3448	3448	3408	3391	3412	3449	3488	3476	3422	3433	3433	3454	3422	3402
35 PUBLIC AGENCIES	9682	9682	9921	11395	12514	13295	13980	13209	12577	11790	11790	10935	9891	9704
36 PRIVATE UTILITIES	12768	12768	12323	13906	15043	16454	17145	16583	15196	14127	14127	13151	13077	13038
37 REGIONAL TOTAL LOADS	25898	25898	25652	28692	30969	33198	34613	33268	31195	29350	29350	27540	26390	26144

TABLE A-1

SHEET 1 OF 2

MEDIUM LOADS
1993 BPA LOAD FORECAST

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>														
FIRM LOADS														
1A FEDERAL AGENCIES	212	212	202	212	217	249	232	240	228	215	215	205	206	207
1B FEDERAL + GEN PUB LOSSES	200	200	210	256	349	395	439	398	346	303	303	266	213	204
1C USBR	200	200	157	76	7	4	4	3	9	100	100	170	198	205
1D DSI ALUMINUM FIRM	1671	1671	1671	1671	1671	1671	1662	1662	1662	1661	1661	1662	1661	1660
1E DSI NON-ALUMINUM FIRM	184	184	184	184	184	157	166	184	184	184	184	184	184	176
1F DSI FIRM LOSSES	54	54	56	60	65	68	71	70	67	63	63	61	56	53
1 BPA NON UTILITY LOADS	2521	2521	2480	2459	2493	2544	2574	2557	2496	2526	2526	2548	2518	2505
<hr/>														
2 CHELAN COUNTY PUD #1	243	243	246	294	320	342	352	332	311	285	285	257	239	249
3 COLOCKUM TRANSMISSION CO.	183	183	183	183	183	183	183	183	183	183	183	183	183	183
4 COWLITZ COUNTY PUD #1	651	651	653	726	766	764	786	762	775	751	751	708	667	651
5 DOUGLAS COUNTY PUD #1	95	95	88	112	128	134	149	132	125	112	112	92	94	99
6 EUGENE WATER & ELEC BOARD	357	357	428	513	567	616	629	616	554	512	512	471	397	373
7 GRANT COUNTY PUD #2	479	479	453	415	447	479	510	500	431	425	425	474	497	463
8 IDAHO POWER COMPANY	2450	2450	2143	2024	2178	2268	2328	2227	2038	1996	1996	2291	2609	2647
9 MONTANA POWER CO. REGIONAL	413	413	413	418	429	508	534	524	451	412	412	399	391	431
10 PACIFIC POWER & LIGHT	3217	3217	3121	3541	3867	4261	4402	4400	4027	3786	3786	3295	3097	3229
11 PEND OREILLE COUNTY PUD #1	119	119	119	132	137	156	156	134	144	138	138	130	124	119
12 PORTLAND GENERAL ELECTRIC	2809	2809	2608	2939	3195	3446	3708	3303	3128	2986	2986	2767	2587	2705
13 PUGET SOUND POWER & LIGHT	2921	2921	3169	4071	4404	5000	5121	5029	4645	4172	4172	3621	3393	2944
14 SEATTLE CITY LIGHT	1371	1371	1367	1684	1912	1931	2039	1945	1898	1757	1757	1559	1389	1384
15 SMALL & NON GEN PUBLICS	5047	5047	5096	5730	6339	6875	7302	6642	6441	5990	5990	5690	5118	5199
16 SNOHOMISH COUNTY PUD #1	713	713	811	1114	1276	1457	1373	1431	1246	1190	1190	975	863	684
17 TACOMA PUBLIC UTILITIES	813	813	885	1058	1194	1243	1273	1255	1167	1098	1098	990	857	807
18 UTAH POWER & LIGHT	407	407	327	304	311	353	315	328	293	207	207	241	478	557
19 WASHINGTON WATER POWER	1179	1179	1163	1306	1401	1482	1599	1581	1374	1258	1258	1176	1156	1164
20 REGIONAL FIRM LOADS	25988	25988	25753	29023	31547	34042	35333	33881	31727	29784	29784	27867	26657	26393
<hr/>														
REGIONAL FIRM LOADS														
21 FEDERAL SYSTEM	2521	2521	2480	2459	2493	2544	2574	2557	2496	2526	2526	2548	2518	2505
22 PUBLIC AGENCIES W/COLOCKUM	10071	10071	10329	11961	13269	14180	14752	13932	13275	12441	12441	11529	10428	10211
23 PRIVATE UTILITIES	13396	13396	12944	14603	15785	17318	18007	17392	15956	14817	14817	13790	13711	13677
24 REGIONAL FIRM LOADS	25988	25988	25753	29023	31547	34042	35333	33881	31727	29784	29784	27867	26657	26393

TABLE A-1 (CONTINUED)

MEDIUM LOADS
1993 BPA LOAD FORECAST1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
INTERRUPTIBLE LOADS														
25 DSI ALUMINUM TOP QUARTILE	557	557	557	557	557	557	554	554	554	554	554	554	554	553
26 DSI NON-ALUM TOP QUARTILE	61	61	61	61	61	53	55	61	61	61	61	61	61	59
27 OTHER INTERRUPTIBLE (UTAH)	178	178	178	178	178	178	178	178	178	178	178	178	178	178
28 DSI TOP QUARTILE LOSSES	18	18	19	20	22	23	24	23	22	21	21	20	19	18
29 REGIONAL INTERRUPT. LOADS	814	814	815	816	818	810	811	817	816	814	814	813	812	808
REGIONAL INTERRUPTIBLE LOADS														
30 FEDERAL SYSTEM	636	636	637	638	640	632	633	639	638	636	636	635	634	630
31 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 PRIVATE UTILITIES	178	178	178	178	178	178	178	178	178	178	178	178	178	178
33 REGIONAL INTERRUPT. LOADS	814	814	815	816	818	810	811	817	816	814	814	813	812	808
REGIONAL TOTAL LOADS														
34 FEDERAL SYSTEM	3157	3157	3117	3097	3133	3176	3207	3196	3134	3162	3162	3183	3152	3135
35 PUBLIC AGENCIES	10071	10071	10329	11961	13269	14180	14752	13932	13275	12441	12441	11529	10428	10211
36 PRIVATE UTILITIES	13574	13574	13122	14781	15963	17496	18185	17570	16134	14995	14995	13968	13889	13855
37 REGIONAL TOTAL LOADS	26802	26802	26568	29839	32365	34852	36144	34698	32543	30598	30598	28680	27469	27201

TABLE A-2

SHEET 1 OF 2

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

EXPORTS

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
EXPORTS TO EAST	20	20	0	0	0	0	0	0	0	0	0	0	21	22
1 CITYIDFL TO UT, GEM ST HYD	20	20	0	0	0	0	0	0	0	0	0	0	21	22
2 EXPORTS TO EAST	15	15	-48	-37	-25	-5	-1	-26	-29	-32	-32	-23	-15	32
3 PP&L TO PP&L N. CALIF.	15	15	-48	-37	-25	-5	-1	-26	-29	-32	-32	-23	-15	32
4 INTRA-CO TRANSFERS TO PSW	24	24	24	24	0	0	0	0	0	0	0	0	24	24

EXPORTS TO EAST

1 CITYIDFL TO UT, GEM ST HYD

2 EXPORTS TO EAST

INTRA-COMPANY TRANSFERS TO PSW
3 PP&L TO PP&L N. CALIF.

4 INTRA-CO TRANSFERS TO PSW

EXPORTS TO PSW

5 BPA TO ANAHEIM	24	24	24	24	0	0	0	0	0	0	0	0	24	24
6 BPA TO ANAHEIM	0	0	0	0	16	16	16	16	16	16	16	16	24	0
7 BPA TO BURBANK	40	40	40	40	20	20	20	20	20	20	20	20	40	40
8 BPA TO BURBANK	20	20	20	20	10	10	10	10	10	10	10	10	20	20
9 BPA TO BURBANK	100	100	100	100	100	100	100	100	100	100	100	100	100	100
10 BPA TO PASADENA	6	6	6	6	6	6	6	6	6	6	6	6	6	6
11 BPA TO PASADENA	23	23	23	23	0	0	0	0	0	0	0	0	23	23
12 BPA TO RIVERSIDE	0	0	0	0	16	16	16	16	16	16	16	16	0	0
13 BPA TO RIVERSIDE	300	300	300	300	0	0	0	0	0	0	0	0	300	300
14 BPA TO SDG&E	50	50	50	50	0	0	0	0	0	0	0	0	50	50
15 BPA TO SDG&E	250	250	250	250	250	250	250	250	250	250	250	250	250	250
16 BPA TO SCE	250	250	250	250	0	0	0	0	0	0	0	0	250	250
17 BPA NM-SW INTERTIE LOSSES	32	32	32	32	13	13	13	13	13	13	13	13	32	32
18 IPC TO SIERRA PAC	16	16	16	16	16	16	16	16	16	16	16	16	16	16
19 IPC TO SIERRA PAC	77	77	77	77	77	77	77	77	77	77	77	77	77	77
20 IPC TO SIERRA PAC	75	75	75	75	69	69	69	69	69	69	69	69	75	75
21 IPC TO SIERRA PAC	7	7	7	7	7	7	7	7	7	7	7	7	7	7
22 IPC TO SIERRA PAC	4	4	4	4	6	6	6	6	6	6	6	6	4	4
23 IPC TO SIERRA PAC	111	111	111	111	111	111	111	111	111	111	111	111	111	111
24 IPC TO SIERRA PAC	100	100	100	100	100	100	100	100	100	100	100	100	100	100
25 IPC TO SIERRA PAC	80	80	80	80	100	100	100	100	100	100	100	100	80	80
26 IPC TO SIERRA PAC	100	100	100	100	100	100	100	100	100	100	100	100	100	100
27 IPC TO SIERRA PAC	100	100	100	100	100	100	100	100	100	100	100	100	100	100
28 IPC TO SIERRA PAC	175	175	175	175	175	175	175	175	175	175	175	175	175	175
29 IPC TO SIERRA PAC	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30 IPC TO SIERRA PAC	20	20	20	20	20	20	20	20	20	20	20	20	20	20
31 IPC TO SIERRA PAC	75	75	75	75	75	75	75	75	75	75	75	75	75	75
32 IPC TO SIERRA PAC	225	225	225	225	0	0	0	0	0	0	0	0	225	225
33 IPC TO SIERRA PAC	65	65	65	65	65	65	65	65	65	65	65	65	65	65
34 IPC TO SIERRA PAC	300	300	300	300	0	0	0	0	0	0	0	0	300	300
35 IPC TO SIERRA PAC	48	48	48	48	0	0	0	0	0	0	0	0	48	48
36 IPC TO SIERRA PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 IPC TO SIERRA PAC	41	41	41	41	41	41	41	41	41	41	41	41	41	41
38 IPC TO SIERRA PAC	150	150	150	150	0	0	0	0	0	0	0	0	150	150

TABLE A-2

SHEET 2 OF 2

EXPORTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
THE FOLLOWING RESOURCES ARE OWNED BY UTILITIES OUTSIDE THE PACIFIC NORTHWEST														
39 BOARDMAN(14.2%) TO SDG&E *	71	71	71	71	71	71	71	71	71	71	71	0	71	71
40 BOARDMAN(10.2%) TO TURLOCK*	50	50	50	50	50	50	50	50	50	50	50	0	50	50
41 LONGVIEW FIBRE TO WAPA *	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42 TOTAL	166	166	166	166	166	166	166	166	166	166	166	45	166	166
43 EXPORTS TO PSW	3040	3040	3081	1983	1669	1669	1670	1666	1657	1639	1639	2072	3047	3054
EXPORTS TO CANADA														
44 BPA CAN. ENT. TO BC HYDRO	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 EXPORTS TO CANADA	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 TOTAL EXPORTS	3075	3075	3033	1946	1644	1664	1669	1640	1628	1607	1607	2049	3053	3108
TOTAL EXPORTS														
47 FEDERAL SYSTEM	1095	1095	1095	734	431	431	431	431	431	431	431	837	1095	1095
48 PUBLIC AGENCIES	109	109	136	105	74	41	41	41	41	41	41	41	124	125
49 PRIVATE UTILITIES	1705	1705	1636	941	973	1026	1031	1002	990	969	969	1126	1668	1722
50 NON-NORTHWEST UTILITIES *	166	166	166	166	166	166	166	166	166	166	166	45	166	166
51 TOTAL EXPORTS	3075	3075	3033	1946	1644	1664	1669	1640	1628	1607	1607	2049	3053	3108

NOTE: 1. THE FOLLOWING BPA CONTRACTS ARE SHOWN ASSURPLUS FIRM POWER SALES UNTIL THEY EXPIRE.
IN ACTUAL OPERATION, THESE CONTRACTS MAY CONVERT ANNUALLY, ON AN INDIVIDUAL BASIS, TO
CAPACITY/ENERGY EXCHANGES TO MEET LOADS.

- A. BPA TO BGP, POWER SALE & CAPACITY/ENERGY EXCHANGE
- B. BPA TO MSR, POWER SALE & CAPACITY/ENERGY EXCHANGE
- C. BPA TO SCE, POWER SALE & CAPACITY/ENERGY EXCHANGE

2. BPA OPTION CAPACITY SALE TO SCE IS INCLUDED THROUGH OY 1996-97

TABLE A-2

SHEET 1 OF 2

EXPORTS

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
EXPORTS TO EAST														
1 CITYIDFL TO UT, GEM ST HYD	20	20	0	0	0	0	0	0	0	0	0	0	21	22
2 EXPORTS TO EAST	20	20	0	0	0	0	0	0	0	0	0	0	21	22
INTRA-COMPANY TRANSFERS TO PSW														
3 PP&L TO PP&L N. CALIF.	19	19	-45	-34	-22	-1	4	-21	-25	-27	-27	-18	-10	37
4 INTRA-CO TRANSFERS TO PSW	19	19	-45	-34	-22	-1	4	-21	-25	-27	-27	-18	-10	37
EXPORTS TO PSW														
5 BPA TO ANAHEIM	24	24	24	24	0	0	0	0	0	0	0	0	24	24
6 BPA TO ANAHEIM	0	0	0	0	16	16	16	16	16	16	16	24	0	0
7 BPA TO BURBANK	40	40	40	40	20	20	20	20	20	20	20	40	40	40
8 BPA TO BURBANK	20	20	20	20	10	10	10	10	10	10	10	20	20	20
9 BPA TO GLENDALE	150	150	150	150	150	150	150	150	150	150	150	150	150	150
10 BPA TO PASADENA	6	6	6	6	6	6	6	6	6	6	6	6	6	6
11 BPA TO PASADENA	23	23	23	23	16	16	16	16	16	16	16	23	23	23
12 BPA TO RIVERSIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA TO RIVERSIDE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 BPA TO SDG&E	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 BPA TO SMUD	250	250	250	250	250	250	250	250	250	250	250	250	250	250
16 BPA TO SCE	250	250	250	250	14	14	14	14	14	14	14	16	16	16
17 BPA NW-SW INTERTIE LOSSES	23	23	23	23	16	16	16	16	16	16	16	16	16	16
18 IPC TO SIERRA PAC	16	16	16	16	16	16	16	16	16	16	16	16	16	16
19 IPC TO SIERRA PAC	77	77	77	77	51	51	51	51	51	51	51	77	77	77
20 IPC TO UAMPS	75	75	69	63	62	69	69	65	58	53	53	60	68	75
21 IPC TO AZUSA, BAN, CLTN	7	7	7	7	7	7	7	7	7	7	7	7	7	7
22 IPC TO CITY OF WASH, UT	5	5	5	5	7	7	8	8	6	4	4	4	5	5
23 MPC TO LADWP	111	111	111	111	111	111	111	111	111	111	111	111	111	111
24 PP&L TO CDWR	100	100	100	100	100	100	100	100	100	100	100	100	100	100
25 PP&L TO PG&E	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 PP&L TO SMUD	100	100	100	100	100	100	100	100	100	100	100	100	100	100
27 PP&L TO SCE	100	100	100	100	100	100	100	100	100	100	100	100	100	100
28 PP&L TO WAPA	175	175	175	175	175	175	175	175	175	175	175	175	175	175
29 PGE TO BURBANK	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30 PGE TO GLENDALE	20	20	20	20	20	20	20	20	20	20	20	20	20	20
31 PGE TO SCE	75	75	75	75	75	75	75	75	75	75	75	75	75	75
32 PGE TO SCE	225	225	225	225	65	65	65	65	65	65	65	65	65	65
33 PGE TO WAPA	65	65	65	65	65	65	65	65	65	65	65	65	65	65
34 PSP&L TO PG&E	300	300	300	300	0	0	0	0	0	0	0	0	0	0
35 SCL TO NCPA	48	48	62	31	0	0	0	0	0	0	0	0	62	32
36 SNOH TO SMUD	32	32	23	74	23	23	23	23	23	32	32	32	32	32
37 TCL TO WAPA	41	41	74	74	74	41	41	41	41	41	41	41	41	41
38 WMP TO PG&E	150	150	150	0	0	0	0	0	0	0	0	150	150	150

TABLE A-2

SHEET 2 OF 2

EXPORTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
THE FOLLOWING RESOURCES ARE OWNED BY UTILITIES OUTSIDE THE PACIFIC NORTHWEST														
39 BOARDMAN(14.2%) TO SDG&E *	71	71	71	71	71	71	71	71	71	71	71	0	71	71
40 BOARDMAN(10.2%) TO TURLOCK*	50	50	50	50	50	50	50	50	50	50	50	0	50	50
41 LONGVIEW FIBRE TO WAPA *	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42 TOTAL	166	166	166	166	166	166	166	166	166	166	166	45	166	166
43 EXPORTS TO PSW	2684	2684	2716	1978	1644	1644	1645	1641	1632	1634	1634	1717	2614	2621
EXPORTS TO CANADA														
44 BPA CAN. ENT. TO BC HYDRO	126	126	126	126	126	126	126	126	126	768	768	768	768	768
45 EXPORTS TO CANADA	126	126	126	126	126	126	126	126	126	768	768	768	768	768
46 TOTAL EXPORTS	2849	2849	2797	2070	1748	1769	1775	1746	1733	2375	2375	2467	3393	3448
TOTAL EXPORTS														
47 FEDERAL SYSTEM	912	912	912	912	608	608	608	608	608	1250	1250	1297	1554	1554
48 PUBLIC AGENCIES	141	141	159	128	97	64	64	64	64	73	73	73	156	157
49 PRIVATE UTILITIES	1630	1630	1560	864	877	931	937	908	895	886	886	1052	1517	1571
50 NON-NORTHWEST UTILITIES *	166	166	166	166	166	166	166	166	166	166	166	45	166	166
51 TOTAL EXPORTS	2849	2849	2797	2070	1748	1769	1775	1746	1733	2375	2375	2467	3393	3448

NOTE: 1. THE FOLLOWING BPA CONTRACTS ARE SHOWN ASSURPLUS FIRM POWER SALES UNTIL THEY EXPIRE.
IN ACTUAL OPERATION, THESE CONTRACTS MAY CONVERT ANNUALLY, ON AN INDIVIDUAL BASIS, TO
CAPACITY/ENERGY EXCHANGES TO MEET LOADS.

- A. BPA TO BGP, POWER SALE & CAPACITY/ENERGY EXCHANGE
- B. BPA TO MSR, POWER SALE & CAPACITY/ENERGY EXCHANGE
- C. BPA TO SCE, POWER SALE & CAPACITY/ENERGY EXCHANGE

2. BPA OPTION CAPACITY SALE TO SCE IS INCLUDED THROUGH OY 1996-97

TABLE A-2

SHEET 1 OF 2

EXPORTS

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
EXPORTS TO EAST															
1	CITYIDFL TO UT, GEM ST HYD	20	20	0	0	0	0	0	0	0	0	0	0	21	22
2	EXPORTS TO EAST	20	20	0	0	0	0	0	0	0	0	0	0	21	22
INTRA-COMPANY TRANSFERS TO PSW															
3	PP&L TO PP&L N. CALIF.	28	28	-38	-25	-12	10	14	-12	-16	-19	-19	-9	0	47
4	INTRA-CO TRANSFERS TO PSW	28	28	-38	-25	-12	10	14	-12	-16	-19	-19	-9	0	47
EXPORTS TO PSW															
5	BPA TO ANAHEIM C/NX	24	24	24	24	0	0	0	0	0	0	0	0	24	24
6	BPA TO ANAHEIM CAP S	0	0	0	0	16	16	16	16	16	16	16	24	0	0
7	BPA TO BURBANK PWR S,C/NX	40	40	40	40	20	20	20	20	20	20	20	40	40	40
8	BPA TO GLENDALE PWR S,C/NX	20	20	20	20	10	10	10	10	10	10	10	20	20	20
9	BPA TO MSR PWR S,C/NX	150	150	150	150	150	150	150	150	150	150	150	150	150	150
10	BPA TO PASADENA PWR S,C/NX	6	6	6	6	6	6	6	6	6	6	6	6	6	6
11	BPA TO RIVERSIDE C/NX	23	23	23	23	0	0	0	0	0	0	0	0	23	23
12	BPA TO RIVERSIDE CAP S	0	0	0	0	16	16	16	16	16	16	16	23	0	0
13	BPA TO SDG&E PWR X,C/NX	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	BPA TO SMUD PWR X,C/NX	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	BPA TO SCE PWR S&C/NX	250	250	250	250	250	250	250	250	250	250	250	250	250	250
16	BPA TO SCE OPT CAP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	BPA NW-SW INTERTIE LOSSES	15	15	15	15	14	14	14	14	14	14	14	16	16	16
18	IPC TO SIERRA PAC PWR S1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	IPC TO SIERRA PAC PWR S2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	IPC TO UAMPS PWR S	75	75	69	63	62	69	0	0	0	0	0	0	0	0
21	IPC TO AZUSA,BAN,CLTN PWR S	7	7	7	7	7	7	7	7	7	7	7	7	7	7
22	IPC TO CTY OF WASH,UT PWR S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	MPC TO LADWP PWR S	111	111	111	111	111	111	111	111	111	111	111	111	111	111
24	PP&L TO CDWR PWR S	100	100	100	100	100	100	100	100	100	100	100	100	100	100
25	PP&L TO PG&E PWR S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	PP&L TO SMUD PWR S	100	100	100	100	100	100	100	100	100	100	100	100	100	100
27	PP&L TO SCE PWR S	100	100	100	100	100	100	100	100	100	100	100	100	100	100
28	PP&L TO WAPA PWR S	175	175	175	175	175	175	175	175	175	175	175	175	175	175
29	PGE TO BURBANK PWR S	10	10	10	10	10	10	10	10	10	10	10	10	10	10
30	PGE TO GLENDALE PWR S	20	20	20	20	20	20	20	20	20	20	20	20	20	20
31	PGE TO SCE PWR S	75	75	75	75	75	75	75	75	75	75	75	75	75	75
32	PGE TO SCE SPX	225	225	225	0	0	0	0	0	0	0	0	0	225	225
33	PGE TO WAPA PWR S	65	65	65	65	65	65	65	65	65	65	65	65	65	65
34	PSP&L TO PG&E SPX	300	300	300	0	0	0	0	0	0	0	0	0	300	300
35	SCL TO NCPA SPX	48	48	62	31	0	0	0	0	0	0	0	0	62	62
36	SNOH TO SMUD PWR S	32	32	23	23	23	23	23	23	23	32	32	32	32	32
37	TCL TO WAPA PWR S	41	41	74	74	74	41	41	41	41	41	41	41	41	41
38	WHP TO PG&E SPX	150	150	150	0	0	0	0	0	0	0	0	150	150	150

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SHEET 2 OF 2

EXPORTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
THE FOLLOWING RESOURCES ARE OWNED BY UTILITIES OUTSIDE THE PACIFIC NORTHWEST														
39 BOARDMAN(14.2%) TO SDG&E *	71	71	71	71	71	71	71	71	71	71	71	0	71	71
40 BOARDMAN(10.2%) TO TURLOCK*	50	50	50	50	50	50	50	50	50	50	50	0	50	50
41 LONGVIEW FIBRE TO WAPA *	45	45	45	45	45	45	45	45	45	45	45	45	45	45
42 TOTAL	166	166	166	166	166	166	166	166	166	166	166	45	166	166
43 EXPORTS TO PSW	2328	2328	2360	1648	1570	1544	1475	1475	1475	1484	1484	1560	2268	2268
EXPORTS TO CANADA														
44 BPA CAN. ENT. TO BC HYDRO	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
45 EXPORTS TO CANADA	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
46 TOTAL EXPORTS	3776	3776	3722	3023	2958	2954	2889	2863	2859	2865	2865	2951	3689	3737
TOTAL EXPORTS														
47 FEDERAL SYSTEM	1928	1928	1928	1928	1882	1882	1882	1882	1882	1882	1882	1929	1929	1929
48 PUBLIC AGENCIES	141	141	159	128	97	64	64	64	64	73	73	73	156	157
49 PRIVATE UTILITIES	1541	1541	1469	801	813	842	777	751	747	744	744	904	1438	1485
50 NON-NORTHWEST UTILITIES *	166	166	166	166	166	166	166	166	166	166	166	45	166	166
51 TOTAL EXPORTS	3776	3776	3722	3023	2958	2954	2889	2863	2859	2865	2865	2951	3689	3737

NOTE: 1. THE FOLLOWING BPA CONTRACTS ARE SHOWN ASSURPLUS FIRM POWER SALES UNTIL THEY EXPIRE.
IN ACTUAL OPERATION, THESE CONTRACTS MAY CONVERT ANNUALLY, ON AN INDIVIDUAL BASIS, TO
CAPACITY/ENERGY EXCHANGES TO MEET LOADS.

- A. BPA TO BGP, POWER SALE & CAPACITY/ENERGY EXCHANGE
- B. BPA TO MSR, POWER SALE & CAPACITY/ENERGY EXCHANGE
- C. BPA TO SCE, POWER SALE & CAPACITY/ENERGY EXCHANGE

2. BPA OPTION CAPACITY SALE TO SCE IS INCLUDED THROUGH OY 1996-97

REGULATED HYDRO PROJECTS

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

REGULATED HYDRO PROJECTS

REGULATED HYDRO PROJECTS																
1	ALBENI FLS AFTER ENC.	FED	50	50	49	38	26	20	21	18	20	9	17	33	44	50
2	ALDER	TCL	52	51	51	45	48	43	43	47	51	52	52	52	52	51
3	BONNEVILLE	FED	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147
4	BOUNDARY AFTER ENC.	SCL	845	845	845	845	845	845	845	845	845	845	845	845	845	845
5	BOX CANYON AFTER ENC.	PENDO	82	83	80	81	79	81	81	80	81	79	78	78	80	81
6	BROWNLEE	ID	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	BROWNLEE GORGE	WMP	230	230	230	230	230	230	230	230	230	230	230	230	230	230
8	CABINET SMITH	EUG	42	39	38	33	33	52	43	58	48	49	31	36	42	37
9	CARMEN-AFTER ENC.	CHLN	58	58	58	57	57	56	55	54	54	54	55	17	37	58
10	CHIEF JOSEPH AFT ENC.	FED	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516
11	CUSHMAN 1	TCL	31	47	46	43	39	36	15	16	17	18	26	46	37	19
12	CUSHMAN 2	TCL	21	66	88	88	88	88	6	5	4	2	15	84	32	0
13	DIABLO	SCL	159	159	159	159	159	159	159	159	159	159	159	159	159	159
14	DWORSHAK	FED	449	448	447	447	447	447	446	447	447	448	449	449	448	449
15	FARADAY	PGE	43	43	43	43	43	43	43	43	43	43	43	43	43	43
16	GORGE	SCL	177	177	177	177	177	177	177	177	177	176	176	176	177	177
17	GRAND COULEE-LDS+TRB	FED	6119	6164	6211	6300	6690	6683	6627	6559	6002	5023	5106	5342	5836	6120
18	HELLS CANYON	ID	184	189	385	375	277	424	450	363	354	344	344	450	291	315
19	HUNGRY HORSE	FED	410	404	385	359	339	318	277	244	216	201	0	0	0	339
20	ICE HARBOR	FED	523	693	693	693	693	693	693	693	693	693	693	693	693	693
21	JOHN DAY	FED	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
22	KERR	MPC	39	39	30	26	22	24	28	29	24	28	47	28	27	37
23	LA GRANDE	TCL	65	65	65	65	65	65	65	65	65	65	65	65	65	65
24	LIBBY	FED	599	600	598	595	587	575	523	416	332	298	317	388	526	577
25	LITTLE FALLS	WMP	34	34	35	34	34	34	34	34	34	34	33	34	34	34
26	LITTLE GOOSE	FED	874	928	928	928	928	928	928	928	923	914	913	913	914	913
27	LONG LAKE	WMP	72	73	72	72	72	73	71	66	64	69	72	72	73	73
28	LOWER BAKER	PSP&L	71	71	71	71	71	64	54	53	53	51	51	14	66	71
29	LOWER GRANITE	FED	917	928	928	928	928	928	928	928	917	912	912	912	912	912
30	LOWER MONUMENTAL	FED	832	922	922	922	922	922	922	922	916	911	911	911	911	911
31	MAYFIELD	TCL	172	172	172	172	172	172	172	172	172	172	172	172	172	172
32	MCNARY	FED	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
33	MERWIN	PP&L	146	144	132	122	122	122	122	122	122	125	126	125	125	126
34	MONROE STREET	WMP	13	13	13	13	13	13	13	13	13	13	13	13	13	13
35	MOSSY ROCK	TCL	384	384	384	361	361	323	272	272	310	330	342	359	378	381
36	NINE MILE	WMP	26	26	26	26	26	26	26	25	25	25	24	25	25	26
37	NORTH FORK	PGE	54	54	54	54	54	54	54	54	54	54	54	54	54	54
38	NOXON	WMP	544	534	541	549	549	541	522	506	503	509	509	529	554	554
39	OAK GROVE	PGE	45	45	45	45	45	45	45	45	45	45	45	45	45	45
40	OXBOW	ID	220	220	220	220	220	220	220	220	220	220	220	220	220	220
41	PACKWOOD	WPPSS	30	30	30	30	30	30	30	30	30	30	30	30	30	30
42	PELTON	PGE	108	108	108	108	108	108	108	108	108	108	108	108	108	108
43	PELTON REREGULATING	PP&L	10	10	11	9	9	15	9	11	11	10	8	10	10	10
44	POST FALLS	WMP	16	16	16	16	16	16	16	16	16	15	15	15	16	16
45	PRST RPDS AFTER ENC.	GRNT	897	897	897	897	897	897	897	897	897	897	897	897	897	897

TABLE A-3 (CONTINUED)

SHEET 2 OF 2

REGULATED HYDRO

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
REGULATED HYDRO PROJECTS															
46 RIVER MILL	PGE	23	23	23	23	23	23	23	23	23	23	23	23	23	23
47 ROCK ISLAND	CHLN	597	599	600	600	597	598	596	599	598	599	599	595	601	599
48 RKY REACH AFTER ENC.	CHLN	1300	1299	1298	1298	1300	1299	1301	1299	1299	1298	1298	1303	1297	1298
49 ROSS	SCL	224	328	343	421	401	377	348	325	310	314	343	332	420	442
50 ROUND BUTTE	PGE	300	300	300	300	300	300	300	300	300	300	300	300	300	300
51 SWIFT 1	PP&L	265	233	264	252	228	210	198	205	223	226	226	0	263	253
52 SWIFT 2	COW	58	58	64	71	71	71	71	71	76	76	70	0	59	58
53 THE DALLES	FED	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
54 THOMPSON FLS REGIONAL	MPC	10	10	7	6	6	6	7	8	6	16	25	15	15	20
55 TRAIL BRIDGE	EUG	4	4	4	4	4	4	4	4	4	4	4	4	4	4
56 UPPER BAKER	PSP&L	101	101	101	100	97	95	87	80	79	79	80	1	101	101
57 UPPER FALLS	HWP	10	10	10	10	10	10	10	10	10	9	9	9	10	10
58 WANAPUM AFTER ENC.	GRNT	910	910	910	910	910	910	910	910	910	910	910	910	910	910
59 WELLS AFTER ENC.	DGLS	840	840	840	840	840	840	840	840	840	840	840	840	840	840
60 WHITE	PSP&L	64	64	64	64	64	63	56	47	47	43	45	61	64	64
61 YALE	PP&L	133	133	133	129	129	129	129	129	118	112	129	133	133	133
HYDRO EFFICIENCY IMPROVEMENTS															
62 HYDRO EFFICIENCY IMP. FED		0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 REGULATED HYDRO W/ENC.		30505	30994	31267	31352	31520	31548	31173	30843	30161	29132	29226	29336	30284	30989
TOTAL REGULATED HYDRO W/ENCROACHMENTS															
64 FEDERAL SYSTEM		20151	20515	20539	20588	20938	20892	20743	20533	19844	18787	18682	19019	19662	20342
65 PUBLIC AGENCIES		4083	4236	4280	4350	4295	4246	4050	4047	4071	4093	4247	4270	4288	4289
66 PRIVATE UTILITIES		6271	6243	6448	6414	6287	6410	6380	6263	6246	6252	6297	6047	6334	6358
67 TOTAL REGULATED HYDRO W/ENC		30505	30994	31267	31352	31520	31548	31173	30843	30161	29132	29226	29336	30284	30989
HYDRO INDEPENDENTS (FROM TABLE A-4)															
68 FEDERAL SYSTEM		687	681	684	694	674	636	633	760	766	793	791	690	683	670
69 PUBLIC AGENCIES		185	185	182	180	188	162	189	189	196	189	189	187	188	168
70 PRIVATE UTILITIES		945	916	882	842	856	896	872	873	903	910	954	903	915	928
71 TOTAL HYDRO INDEPENDENTS		1817	1782	1748	1716	1718	1694	1694	1822	1865	1892	1934	1780	1786	1766
TOTAL REGIONAL HYDRO															
72 FEDERAL SYSTEM		20838	21196	21223	21282	21612	21528	21376	21293	20610	19580	19473	19709	20345	21012
73 PUBLIC AGENCIES		4268	4421	4462	4530	4483	4408	4239	4236	4267	4282	4436	4457	4476	4457
74 PRIVATE UTILITIES		7216	7159	7330	7256	7143	7306	7252	7136	7149	7162	7251	6950	7249	7286
75 TOTAL REGIONAL HYDRO		32322	32776	33015	33068	33238	33242	32867	32665	32026	31024	31160	31116	32070	32755

REGULATED HYDRO PROJECTS

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

REGULATED HYDRO PROJECTS		
1	ALBENI FLS AFTER ENC.	FED
2	ALDER	TCL
3	BONNEVILLE	FED
4	BOUNDARY AFTER ENC.	SCL
5	BOX CANYON AFTER ENC.	PENDO
6	BROWNLEE	ID
7	CABINET GORGE	WMP
8	CARMEN-SMITH	EUG
9	CHELAN AFTER ENC.	CHLN
10	CHIEF JOSEPH AFT ENC.	FED
11	CUSHMAN 1	TCL
12	CUSHMAN 2	TCL
13	DIABLO	SCL
14	DWORSHAK	FED
15	FARADAY	PGE
16	GORGE	SCL
17	GRAND COULEE-LDS+TRB	FED
18	HELLS CANYON	ID
19	HUNGRY HORSE	FED
20	ICE HARBOR	FED
21	JOHN DAY	FED
22	KERR	REGIONAL
23	LA GRANDE	TCL
24	LIBBY	FED
25	LITTLE FALLS	WMP
26	LITTLE GOOSE	FED
27	LONG LAKE	WMP
28	LOWER BAKER	PSP&L
29	LOWER GRANITE	FED
30	LOWER MONUMENTAL	FED
31	MAYFIELD	TCL
32	MCNARY	FED
33	MERWIN	FED
34	MONROE STREET	PP&L
35	MOSSY ROCK	WMP
36	NINE MILE	TCL
37	NORTH FORK	WMP
38	NOXON	PGE
39	OAK GROVE	WMP
40	OXBOW	PGE
41	PACKWOOD	ID
42	PELTON	WPPSS
43	PELTON REREGULATING	PGE
44	POST FALLS	PP&L
45	PRST RPDS AFTER ENC.	WMP
		GRNT

TABLE A-3 (CONTINUED)

REGULATED HYDRO

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
REGULATED HYDRO PROJECTS															
46 RIVER MILL	PGE	23	23	23	23	23	23	23	23	23	23	23	23	23	23
47 ROCK ISLAND	CHLN	599	599	600	600	598	598	596	598	598	599	599	595	598	599
48 RKY REACH AFTER ENC.	CHLN	1299	1298	1297	1297	1299	1299	1302	1299	1300	1298	1298	1303	1299	1298
49 ROSS	SCL	224	328	343	421	401	377	348	325	310	314	342	332	420	442
50 ROUND BUTTE	PGE	300	300	300	300	300	300	300	300	300	300	300	300	300	300
51 SWIFT 1	PP&L	265	233	264	252	228	210	198	205	223	226	226	0	263	253
52 SWIFT 2	COW	58	58	64	71	71	71	71	71	76	76	70	0	59	58
53 THE DALLES	FED	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
54 THOMPSON FLS REGIONAL	MPC	20	20	20	21	21	25	27	26	22	22	30	20	20	20
55 TRAIL BRIDGE	EUG	4	4	4	4	4	4	4	4	4	4	4	4	4	4
56 UPPER BAKER	PSP&L	101	101	101	100	97	95	87	80	80	80	79	1	101	101
57 UPPER FALLS	WWP	10	10	10	10	10	10	10	10	10	9	9	9	10	10
58 WANAPUM AFTER ENC.	GRNT	910	910	910	910	910	910	910	910	910	910	910	910	910	910
59 WELLS AFTER ENC.	DGLS	840	840	840	840	840	840	840	840	840	840	840	840	840	840
60 WHITE	PSP&L	64	64	64	64	64	63	56	47	47	43	45	61	64	64
61 YALE	PP&L	133	133	129	124	124	124	124	124	113	105	122	133	133	133
HYDRO EFFICIENCY IMPROVEMENTS															
62 HYDRO EFFICIENCY IMP. FED		0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 REGULATED HYDRO W/ENC.		30706	31021	31306	31400	31571	31607	31082	30444	29598	28648	29383	29617	30475	31049
TOTAL REGULATED HYDRO W/ENCROACHMENTS															
64 FEDERAL SYSTEM		20343	20531	20549	20592	20942	20894	20595	20082	19234	18271	18796	19263	19818	20381
65 PUBLIC AGENCIES		4115	4270	4314	4377	4319	4270	4074	4070	4094	4116	4287	4259	4300	4288
66 PRIVATE UTILITIES		6248	6220	6443	6431	6310	6443	6413	6292	6270	6261	6300	6095	6357	6380
67 TOTAL REGULATED HYDRO W/ENC		30706	31021	31306	31400	31571	31607	31082	30444	29598	28648	29383	29617	30475	31049
HYDRO INDEPENDENTS (FROM TABLE A-4)															
68 FEDERAL SYSTEM		687	681	684	694	674	636	633	760	766	793	791	690	683	670
69 PUBLIC AGENCIES		193	193	190	188	196	170	197	197	204	197	197	195	196	176
70 PRIVATE UTILITIES		945	916	896	863	882	933	908	904	928	926	969	917	932	927
71 TOTAL HYDRO INDEPENDENTS		1825	1790	1770	1745	1752	1739	1738	1861	1898	1916	1957	1802	1811	1773
TOTAL REGIONAL HYDRO															
72 FEDERAL SYSTEM		21030	21212	21233	21286	21616	21530	21228	20842	20000	19064	19587	19953	20501	21051
73 PUBLIC AGENCIES		4308	4463	4504	4565	4515	4440	4271	4267	4298	4313	4484	4454	4496	4464
74 PRIVATE UTILITIES		7193	7136	7339	7294	7192	7376	7321	7196	7198	7187	7269	7012	7289	7307
75 TOTAL REGIONAL HYDRO		32531	32811	33076	33145	33323	33346	32820	32305	31496	30564	31340	31419	32286	32822

TABLE A-3

SHEET 1 OF 2

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94REGULATED HYDRO PROJECTS
2003- 4 OPERATING YEAR1930 WATER YEAR
PEAK IN MEGAWATTS

REGULATED HYDRO PROJECTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	ALBENI FLS AFTER ENC.	50	50	49	38	25	20	21	20	21	21	21	33	45	50
2	ALDER	52	51	51	48	45	43	43	47	51	52	52	52	52	51
3	BONNEVILLE	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147	1147
4	BOUNDARY AFTER ENC.	845	845	845	845	845	845	845	845	845	845	845	845	845	845
5	BOX CANYON AFTER ENC.	79	83	81	79	80	81	81	81	81	80	78	78	80	80
6	BROWNLEE	675	675	675	675	675	675	675	675	675	675	675	675	675	675
7	BROWNLEE	230	230	230	230	230	230	230	230	230	230	230	230	230	230
8	CABINET GORGE	42	39	38	33	30	52	43	58	48	49	31	36	42	37
9	CARMEN-SMITH	58	58	58	57	57	56	55	54	54	54	55	17	37	58
10	CHIEF JOSEPH AFT ENC.	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516	2516
11	CHIEF JOSEPH AFT ENC.	31	47	46	43	39	36	15	16	17	18	26	46	37	19
12	CUSHMAN 1	21	66	88	88	88	88	6	5	4	2	15	84	32	0
13	CUSHMAN 2	159	159	159	159	159	159	159	159	159	159	159	159	159	159
14	DIABLO	449	448	447	447	447	447	447	447	447	448	449	449	449	449
15	DMORSHAK	43	43	43	43	43	43	43	43	43	43	43	43	43	43
16	FARADAY	177	177	177	177	177	177	177	177	177	176	176	176	177	177
17	GRAND COULEE-LDS+TRB	6138	6183	6221	6301	6690	6683	6503	6109	5357	4642	5157	5517	5942	6140
18	HELLS CANYON	184	189	385	375	277	423	450	363	354	344	344	450	291	315
19	HUNGRY HORSE	693	693	693	693	693	693	693	693	693	693	693	693	693	693
20	ICE HARBOR	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484	2484
21	JOHN DAY	48	48	50	53	50	58	60	58	49	51	69	52	50	50
22	KERR	65	65	65	65	65	65	65	65	65	65	65	65	65	65
23	LA GRANDE	598	596	596	595	588	573	483	398	360	352	376	457	575	587
24	LIBBY	34	34	35	34	34	34	34	34	34	34	33	34	34	34
25	LITTLE FALLS	874	928	928	928	928	928	928	928	923	914	913	913	914	913
26	LITTLE GOOSE	72	73	72	72	72	73	71	66	64	69	72	72	72	73
27	LONG LAKE	71	71	71	71	71	64	54	53	53	51	51	14	66	71
28	LOWER BAKER	917	928	928	928	928	928	928	928	917	912	912	912	912	912
29	LOWER GRANITE	832	922	922	922	922	922	922	922	916	911	911	911	911	911
30	LOWER MONUMENTAL	172	172	172	172	172	172	172	172	172	172	172	172	172	172
31	MAYFIELD	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127	1127
32	MCNARY	148	147	145	144	144	144	143	144	143	147	148	147	147	147
33	MERWIN	13	13	13	13	13	13	13	13	13	13	13	13	13	13
34	MONROE STREET	384	384	384	384	361	323	272	272	310	330	342	359	378	381
35	MOSSY ROCK	26	26	26	26	26	26	26	25	25	25	24	25	25	26
36	NINE MILE	54	54	54	54	54	54	54	54	54	54	54	54	54	54
37	NORTH FORK	544	534	541	549	549	541	522	506	503	509	509	529	554	554
38	NOXON	45	45	45	45	45	45	45	45	45	45	45	45	45	45
39	OAK GROVE	220	220	220	220	220	220	220	220	220	220	220	220	220	220
40	OXBOW	30	30	30	30	30	30	30	30	30	30	16	30	30	30
41	PACKWOOD	108	108	108	108	108	108	108	108	108	108	108	108	108	108
42	PELTON	10	10	10	9	9	15	9	11	11	10	8	10	10	10
43	PELTON REREGULATING	16	16	16	16	16	16	16	16	16	15	15	15	16	16
44	POST FALLS	897	897	897	897	897	897	897	897	897	897	897	897	897	897
45	PRST RPDS AFTER ENC.														

TABLE A-3 (CONTINUED)

SHEET 2 OF 2

REGULATED HYDRO

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
REGULATED HYDRO PROJECTS														
46 RIVER MILL	23	23	23	23	23	23	23	23	23	23	23	23	23	23
47 ROCK ISLAND	599	599	600	600	598	598	596	598	598	599	599	595	598	599
48 RYK REACH AFTER ENC.	1299	1298	1297	1297	1299	1299	1302	1299	1300	1298	1298	1303	1299	1298
49 ROSS	224	328	343	421	401	377	348	325	310	314	342	332	420	442
50 ROUND BUTTE	300	300	300	300	300	300	300	300	300	300	300	300	300	300
51 SWIFT 1	265	233	264	252	228	210	198	205	223	226	226	0	263	253
52 SWIFT 2	58	58	64	71	71	71	71	71	76	76	70	0	59	58
53 THE DALLES	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074	2074
54 THOMPSON FLS REGIONAL	26	26	27	28	27	32	33	34	29	29	38	27	27	27
55 TRAIL BRIDGE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
56 UPPER BAKER	101	101	101	100	97	95	87	80	80	80	79	1	101	101
57 UPPER FALLS	10	10	10	10	10	10	10	10	10	9	9	9	10	10
58 WANAPUM AFTER ENC.	910	910	910	910	910	910	910	910	910	910	910	910	910	910
59 WELLS AFTER ENC.	840	840	840	840	840	840	840	840	840	840	840	840	840	840
60 WHITE	64	64	64	64	64	63	56	47	47	43	45	61	64	64
61 YALE	133	133	129	124	124	124	124	124	113	105	122	133	133	133

HYDRO EFFICIENCY IMPROVEMENTS

62 HYDRO EFFICIENCY IMP. FED	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 REGULATED HYDRO W/ENC.	30722	31037	31326	31420	31589	31626	31100	30464	29617	28669	29406	29638	30495	31068

TOTAL REGULATED HYDRO W/ENCROACHMENTS

64 FEDERAL SYSTEM	20343	20531	20549	20592	20942	20894	20595	20082	19234	18271	18796	19263	19818	20381
65 PUBLIC AGENCIES	4254	4408	4452	4515	4460	4410	4219	4209	4235	4255	4425	4406	4441	4461
66 PRIVATE UTILITIES	6125	6098	6325	6313	6187	6322	6286	6173	6148	6143	6185	5969	6236	6226
67 TOTAL REGULATED HYDRO W/ENC	30722	31037	31326	31420	31589	31626	31100	30464	29617	28669	29406	29638	30495	31068

HYDRO INDEPENDENTS (FROM TABLE A-4)

68 FEDERAL SYSTEM	687	681	684	694	674	636	633	760	766	793	791	690	683	670
69 PUBLIC AGENCIES	193	193	190	188	196	170	197	197	204	197	197	195	196	176
70 PRIVATE UTILITIES	963	934	920	882	903	955	931	925	950	951	995	943	958	951
71 TOTAL HYDRO INDEPENDENTS	1843	1808	1794	1764	1773	1761	1761	1882	1920	1941	1983	1828	1837	1797

TOTAL REGIONAL HYDRO

72 FEDERAL SYSTEM	21030	21212	21233	21286	21616	21530	21228	20842	20000	19064	19587	19953	20501	21051
73 PUBLIC AGENCIES	4447	4601	4642	4703	4656	4580	4416	4406	4439	4452	4622	4601	4637	4637
74 PRIVATE UTILITIES	7088	7032	7245	7195	7090	7277	7217	7098	7098	7094	7180	6912	7194	7177
75 TOTAL REGIONAL HYDRO	32565	32845	33120	33184	33362	33387	32861	32346	31537	30610	31389	31466	32332	32865

TABLE A-4

SHEET 1 OF 2

HYDRO INDEPENDENTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	AMERICAN FALLS	81	55	37	12	9	20	0	0	31	51	64	53	77	79
2	ANDERSON RANCH	37	37	34	33	32	32	31	29	28	31	31	36	38	35
3	BIG CLIFF	10	6	8	13	15	21	21	21	21	21	21	1	1	7
4	BIG CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	BLACK CANYON	10	10	8	9	6	7	9	8	9	10	10	10	8	8
6	BLACK EAGLE REGIONAL	4	4	2	2	2	3	3	2	3	3	5	2	3	5
7	BLISS	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8	BULL RUN	22	22	22	22	22	22	22	22	22	22	22	22	22	22
9	C.J. STRIKE	85	85	85	85	85	85	85	85	85	85	85	85	85	85
10	CALISPEL CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	CASCADE	14	10	6	6	0	0	5	0	0	0	0	0	0	11
12	CEDAR FALLS, NEWHALEM	30	30	30	30	30	3	30	30	30	30	30	30	30	10
13	CHANDLER	5	5	4	4	8	10	7	13	13	12	12	9	0	4
14	COCHRANE REGIONAL	12	12	10	35	5	6	6	6	36	37	37	36	10	11
15	CNDT, SM PLNTS, BIG FRK	34	34	34	25	36	36	35	36	25	25	25	8	37	36
16	COUGAR	17	17	15	25	24	25	25	25	25	25	25	36	8	15
17	COMLITZ FALLS	11	11	13	16	13	17	15	53	29	45	44	36	28	15
18	DETROIT	115	115	115	115	115	96	96	115	115	115	115	115	115	115
19	DEXTER	7	6	8	12	16	17	17	17	17	17	17	5	5	4
20	FELT	2	2	2	1	1	1	1	1	1	1	1	1	1	1
21	FOSTER	4	4	4	11	6	22	22	22	22	22	22	8	8	5
22	GEM STATE HYDRO	20	20	16	13	14	15	15	15	22	22	22	21	21	22
23	GREEN PETER	92	92	92	92	92	79	79	92	92	92	92	92	92	92
24	GREEN SPRINGS - USBR	18	18	18	18	18	18	18	18	18	18	18	18	18	18
25	HAUSER REGIONAL	4	4	3	2	2	3	3	3	3	3	5	3	3	4
26	HEBGEN REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	HILLS CREEK	7	6	24	23	27	30	30	30	30	30	30	6	6	6
28	HOLTER REGIONAL	9	9	9	6	5	5	9	9	6	9	15	7	9	9
29	HOOD STREET	0	0	0	1	1	1	1	1	1	1	1	1	1	0
30	IDAHO FALLS	21	21	18	15	17	21	18	15	17	21	21	21	19	21
31	JACKSON	103	103	103	103	103	103	103	103	103	103	103	103	103	103
32	KLAMATH	92	92	92	92	92	92	92	92	92	92	92	92	92	92
33	LEABURG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	LOOKOUT POINT	138	138	138	138	114	67	67	114	138	138	138	138	138	138
35	LOST CREEK	56	56	48	45	43	46	50	54	56	56	56	56	56	49
36	LOWER SALMON	68	68	68	68	68	68	68	68	68	68	68	68	68	68
37	MADISON REGIONAL	2	2	2	2	1	1	2	2	1	1	0	2	1	2
38	MCNARY FISHWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39	MEYERS FALLS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40	MILL CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41	MLTWN FLT CR REGIONAL	1	1	1	1	1	0	0	0	0	1	1	1	1	1
42	MILNER	0	0	0	0	13	10	8	7	10	0	0	0	0	0
43	MINIDOKA	15	15	14	13	13	13	13	14	15	15	15	15	15	15
44	MORONY	12	12	9	5	5	6	8	7	17	9	14	8	8	11
45	MORSE CREEK	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	PT ANGLES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47															

TABLE A-4 (CONTINUED)

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

HYDRO INDEPENDENTS

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
48 MOYIE SPRINGS	2	2	2	2	2	2	2	2	2	2	2	2	2	2
49 MYSTICE REGIONAL MPC	3	3	1	2	1	2	1	0	1	1	1	0	0	3
50 NORTH UMPQUA PP&L	175	175	175	175	175	175	175	175	175	175	175	175	175	175
51 PALISADES FED	131	131	131	131	131	131	131	131	131	131	131	131	131	131
52 RAINBOW REGIONAL MPC	6	6	6	6	4	5	6	7	5	7	11	6	5	7
53 REEDER GULCH ASHLD	1	1	1	1	1	1	1	1	1	1	1	1	1	1
54 ROGUE PP&L	30	30	26	27	24	52	41	52	51	51	51	50	39	26
55 ROZA - PUMFING LOAD	8	8	7	-3	0	0	0	5	6	10	9	4	7	8
56 RYAN REGIONAL MPC	14	14	11	8	8	10	11	11	10	11	18	11	11	14
57 SHOSHONE FALLS ID	13	13	13	13	13	13	13	13	13	13	13	13	13	13
58 SNOQUALMIE, ELCT & NK PSP&L	72	72	72	72	72	72	72	72	72	72	72	72	72	72
59 SODA CREEK SODA SPR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60 SOUTH FORK TOLT SCL	0	0	0	0	7	7	30	7	7	0	0	0	0	0
61 SPRINGS PLANTS ID	27	28	28	30	31	31	30	30	27	28	28	27	26	26
62 STRAWBERRY ID	1	1	2	2	2	2	2	2	2	2	2	2	2	2
63 SHAN FALLS ID	14	14	17	17	20	19	19	19	19	15	15	15	14	13
64 T W SULLIVAN PGE	14	14	14	14	14	14	14	14	14	14	14	14	14	13
65 THE DALLES FISHWAY, NO WAS ID	4	4	9	6	4	4	4	4	4	4	4	4	4	4
66 TWIN FALLS ID	7	7	9	6	18	16	14	11	15	4	4	2	0	0
67 UPPER SALMON 182 ID	19	19	19	19	19	19	19	19	19	19	19	19	19	19
68 UPPER SALMON 384 ID	17	17	17	17	17	17	17	17	17	17	17	17	17	17
69 WATERSVILLE EUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 WYNOCHIEE TCL	11	11	11	11	11	11	11	11	11	11	11	11	11	11
69 VELM CNTRA	10	10	10	10	10	10	10	10	10	10	10	10	10	10
70 TOTAL HYDRO INDEPENDENTS	1817	1782	1748	1716	1718	1694	1694	1822	1865	1892	1934	1780	1786	1766

TOTAL HYDRO INDEPENDENTS

72 FEDERAL SYSTEM	687	681	684	694	674	636	633	760	766	793	791	690	683	670
73 PUBLIC AGENCIES	185	185	182	180	188	162	189	189	196	189	189	187	188	168
74 PRIVATE UTILITIES	945	916	882	842	856	896	872	873	903	910	954	903	915	928
75 TOTAL HYDRO INDEPENDENTS	1817	1782	1748	1716	1718	1694	1694	1822	1865	1892	1934	1780	1786	1766

TABLE A-4

SHEET 1 OF 2

HYDRO INDEPENDENTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 AMERICAN FALLS ID	81	55	37	12	9	20	0	0	31	51	64	53	77	79
2 ANDERSON RANCH FED	37	37	34	33	32	32	31	29	28	31	31	36	38	35
3 BIG CLIFF FED	10	6	8	13	15	21	21	21	21	21	21	7	7	7
4 BIG CREEK FED	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 BIG CANYON REGIONAL	10	10	8	9	6	7	9	8	9	10	10	10	8	8
6 BLACK EAGLE MPC	5	5	3	4	4	5	5	4	5	4	6	3	4	5
7 BLISS ID	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8 BULL RUN PGE	22	22	22	22	22	22	22	22	22	22	22	22	22	22
9 C.J. STRIKE ID	85	85	85	85	85	85	85	85	85	85	85	85	85	85
10 CALISPEL CREEK PENDO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 CASCADE ID	14	10	6	6	0	0	5	0	0	0	0	0	0	11
12 CEDAR FALLS, NEHALEM SCL	30	30	30	30	30	3	30	30	30	30	30	30	30	10
13 CHANDLER FED	5	5	4	4	8	10	7	13	13	12	12	0	0	4
14 COCHRANE REGIONAL	12	12	12	7	8	11	10	10	11	10	15	12	13	11
15 CNDT, SM PLNTS, BIG FRK MPC	34	34	34	35	36	36	35	36	36	37	37	36	37	36
16 COUGAR FED	17	17	15	25	24	25	25	25	25	25	25	8	8	15
17 COWLITZ FALLS FED	11	11	13	16	13	17	96	53	29	45	44	36	28	15
18 DETROIT FED	115	115	115	115	115	96	17	115	115	115	115	115	115	115
19 DEXTER FED	7	6	8	12	16	17	17	17	17	17	17	5	5	4
20 FELT PP&L	2	2	2	1	1	1	1	1	1	1	1	1	1	1
21 FOSTER FED	4	4	4	11	6	22	22	22	22	22	22	8	8	5
22 GEM STATE HYDRO CIDFL	20	20	16	13	14	15	15	15	22	22	22	21	21	22
23 GREEN PETER FED	92	92	92	92	92	79	79	92	92	92	92	92	92	92
24 GREEN SPRINGS - USBR PP&L	18	18	18	18	18	18	18	18	18	18	18	18	18	16
25 HAUSER REGIONAL	4	4	4	4	4	5	5	5	4	4	6	4	4	4
26 HEBGEN MPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 HILLS CREEK REGIONAL	7	6	24	23	27	30	30	30	30	30	30	6	6	6
28 HOLLER MPC	9	9	12	9	9	11	16	14	10	12	17	8	12	8
29 HOOD STREET FED	0	0	0	1	1	1	1	1	1	1	1	1	1	1
30 IDAHO FALLS FED	21	21	18	15	17	21	18	15	17	21	21	21	19	21
31 JACKSON SNOH	103	103	103	103	103	103	103	103	103	103	103	103	103	103
32 KAMATH PP&L	92	92	92	92	92	92	92	92	92	92	92	92	92	92
33 LEABURG EUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 LOOKOUT POINT FED	138	138	138	138	114	67	67	114	138	138	138	138	138	138
35 LOST CREEK FED	56	56	48	45	43	46	50	54	56	56	56	56	56	49
36 LOWER SALMON ID	68	68	68	68	68	68	68	68	68	68	68	68	68	68
37 MADISON MPC	2	2	2	2	2	2	2	3	2	2	2	2	2	2
38 MCNARY FISHWAY FED	8	8	8	8	8	8	8	8	8	8	8	8	8	8
39 MEYERS FALLS WMP	1	1	1	1	1	1	1	1	1	1	1	1	1	1
40 MILL CREEK LEWIS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
41 MLTWN FLT CR REGIONAL	1	1	1	1	1	1	1	1	1	1	2	1	1	1
42 MILNER ID	0	0	0	0	13	10	8	7	10	0	0	0	0	0
43 MINIDOKA FED	15	15	14	13	13	13	13	14	15	15	15	15	15	15
44 MORONY MPC	11	11	11	8	9	12	15	11	11	12	17	10	11	11
45 MORSE CREEK PT ANGLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-4 (CONTINUED)

HYDRO INDEPENDENTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
48 MOYIE SPRINGS	BONFY	2	2	2	2	2	2	2	2	2	2	2	2	2	2
49 MYSTICE	REGIONAL MPC	3	3	1	3	2	3	2	1	1	1	1	0	0	3
50 NORTH UMPQUA	PP&L	175	175	175	175	175	175	175	175	175	175	175	175	175	175
51 PALISADES	FED	131	131	131	131	131	131	131	131	131	131	131	131	131	131
52 RAINBOW	REGIONAL MPC	6	6	8	9	7	10	10	11	8	9	12	8	7	7
53 REEDER GULCH	ASHLD	1	1	1	1	1	1	1	1	1	1	1	1	1	1
54 ROGUE	PP&L	30	30	26	27	24	52	41	52	51	51	51	50	39	26
55 ROZA - PUMPING LOAD	FED	8	8	7	-3	0	0	0	5	6	10	9	4	7	8
56 RYAN	REGIONAL MPC	14	14	14	12	14	18	19	18	16	15	21	15	14	14
57 SHOSHONE FALLS	ID	13	13	13	13	13	13	13	13	13	13	13	13	13	13
58 SNOQUALMIE, ELCT & NK	PSP&L	72	72	72	72	72	72	72	72	72	72	72	72	72	72
59 SODA CREEK	SODA SPR	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60 SOUTH FORK TOLT	SCL	0	0	0	0	7	7	7	7	7	0	0	0	0	0
61 SPRINGS PLANTS	ID	27	28	28	30	31	31	30	30	27	28	28	27	26	26
62 STRAWBERRY	LWVAL	1	1	2	2	2	2	2	2	2	2	2	2	2	2
63 SWAN FALLS	ID	14	14	17	17	20	19	19	19	19	15	15	15	14	13
64 T W SULLIVAN	PGE	14	14	14	14	14	14	14	14	14	14	14	14	14	13
65 THE DALLES FISHWAY, NO WAS		4	4	4	4	4	4	4	4	4	4	4	4	4	4
66 TWIN FALLS	ID	7	7	9	6	18	16	14	11	15	4	4	2	0	0
67 UPPER SALMON 182	ID	19	19	19	19	19	19	19	19	19	19	19	19	19	19
68 UPPER SALMON 384	ID	17	17	17	17	17	17	17	17	17	17	17	17	17	17
69 WATERVILLE	EUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 WYNOCHEE	TCL	11	11	11	11	11	11	11	11	11	11	11	11	11	11
69 YELM	CNTRA	10	10	10	10	10	10	10	10	10	10	10	10	10	10
70 TOTAL HYDRO INDEPENDENTS		1825	1790	1770	1745	1752	1739	1738	1861	1898	1916	1957	1802	1811	1773
TOTAL HYDRO INDEPENDENTS															
72 FEDERAL SYSTEM		687	681	684	694	674	636	633	760	766	793	791	690	683	670
73 PUBLIC AGENCIES		193	193	190	188	196	170	197	197	204	197	197	195	196	176
74 PRIVATE UTILITIES		945	916	896	863	882	933	908	904	928	926	969	917	932	927
75 TOTAL HYDRO INDEPENDENTS		1825	1790	1770	1745	1752	1739	1738	1861	1898	1916	1957	1802	1811	1773

TABLE A-4

HYDRO INDEPENDENTS

SHEET 1 OF 2

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	AMERICAN FALLS ID	81	55	37	12	9	20	0	0	31	51	64	53	77	79
2	ANDERSON RANCH FED	37	37	34	33	32	32	31	29	28	31	31	36	38	35
3	BIG CLIFF FED	10	6	8	13	15	21	21	21	21	21	21	7	7	7
4	BIG CREEK FED	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	BLACK CANYON FED	10	10	8	9	6	7	9	8	9	10	10	10	8	8
6	BLACK EAGLE MPC	6	6	4	5	5	7	7	5	6	6	7	5	6	6
7	BLISS ID	75	75	75	75	75	75	75	75	75	75	75	75	75	75
8	BULL RUN PGE	22	22	22	22	22	22	22	22	22	22	22	22	22	22
9	C.J. STRIKE ID	85	85	85	85	85	85	85	85	85	85	85	85	85	85
10	CALISPEL CREEK PENDO	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	CASCADE ID	14	10	6	6	0	0	5	0	0	0	0	0	0	11
12	CEDAR FALLS, NEWHALEM SCL	30	30	30	30	30	3	30	30	30	30	30	30	30	10
13	CHANDLER FED	5	5	4	4	8	10	7	13	13	12	12	0	0	4
14	COCHRANE MPC	16	16	17	9	11	14	13	13	14	14	19	16	18	15
15	CNDT, SM PLNTS, BIG FRK PP&L	34	34	34	35	36	36	35	35	36	37	37	36	37	36
16	COUGAR FED	17	17	15	25	24	25	25	25	25	25	25	8	8	15
17	COWLITZ FALLS FED	11	11	11	16	13	17	15	53	29	45	44	36	28	15
18	DETROIT FED	115	115	115	115	115	96	96	115	115	115	115	115	115	115
19	DEXTER FED	7	6	8	12	16	17	17	17	17	17	17	5	5	4
21	FELT PP&L	2	2	2	11	1	1	1	1	1	1	1	1	1	1
22	FOSTER FED	4	4	4	11	6	22	22	22	22	22	22	8	8	5
23	GEM STATE HYDRO CIDFL	20	20	16	13	14	15	15	15	22	22	22	21	21	22
24	GREEN PETER FED	92	92	92	92	92	79	79	92	92	92	92	92	92	92
25	GREEN SPRINGS - USBR PP&L	18	18	18	18	18	18	18	18	18	18	18	18	18	18
26	HAUSER MPC	5	5	5	5	6	6	7	7	6	6	7	6	5	5
27	HEBGEN MPC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	HILLS CREEK FED	7	6	24	23	27	30	30	30	30	30	30	6	6	6
29	HOLTER MPC	11	11	16	12	11	14	20	18	13	17	22	12	16	11
30	HOOD STREET TCL	0	0	0	1	1	1	1	1	1	1	1	1	1	0
31	IDAHO FALLS FED	21	21	18	15	17	21	18	15	17	21	21	21	19	21
32	JACKSON SNOH	103	103	103	103	103	103	103	103	103	103	103	103	103	103
33	KLAMATH PP&L	92	92	92	92	92	92	92	92	92	92	92	92	92	92
35	LEABURG EUG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	LOOKOUT POINT FED	138	138	138	138	114	67	67	114	138	138	138	138	138	138
37	LOST CREEK FED	56	56	48	45	43	46	50	54	56	56	56	56	56	49
38	LOWER SALMON ID	68	68	68	68	68	68	68	68	68	68	68	68	68	68
39	MADISON MPC	2	2	2	3	3	3	3	3	3	3	2	3	3	3
40	MCNARY FISHWAY FED	8	8	8	8	8	8	8	8	8	8	8	8	8	8
41	MEYERS FALLS WMP	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	MILL CREEK LEWIS	1	1	1	1	1	1	1	1	1	1	1	0	1	1
43	MLTWN FLT CR MPC	1	1	1	1	1	1	1	1	0	1	2	1	2	2
44	MILNER ID	0	0	0	0	13	10	8	7	10	0	0	0	0	0
45	MINIDOKA FED	15	15	14	13	13	13	13	14	15	15	15	15	15	15
46	MORONY MPC	15	15	15	11	12	15	18	14	15	16	21	15	15	15
47	MORSE CREEK PT ANGLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-4 (CONTINUED)

SHEET 2 OF 2

HYDRO INDEPENDENTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
48 MOVIE SPRINGS	2	2	2	2	2	2	2	2	2	2	2	2	2	2
49 MYSTICE	3	3	2	4	3	4	2	1	2	1	2	0	0	4
50 NORTH UMPQUA	175	175	175	175	175	175	175	175	175	175	175	175	175	175
51 PALISADES	131	131	131	131	131	131	131	131	131	131	131	131	131	131
52 RAINBOW	8	8	11	12	10	12	13	14	11	12	16	11	10	10
53 READER GULCH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
54 ROGUE	30	30	26	27	24	52	41	52	51	51	51	50	39	26
55 ROZA - PUMPING LOAD	8	8	7	-3	0	0	0	5	6	10	9	4	7	8
56 RYAN	18	18	19	16	19	24	24	23	20	20	27	20	19	19
57 SHOSHONE FALLS	13	13	13	13	13	13	13	13	13	13	13	13	13	13
58 SNOQUALMIE, ELCT & NK	72	72	72	72	72	72	72	72	72	72	72	72	72	72
59 SODA CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1
60 SOUTH FORK TOLT	0	0	0	0	7	7	7	7	7	0	0	0	0	0
61 SPRINGS PLANTS	27	28	28	30	31	31	30	30	27	28	28	27	26	26
62 STRAWBERRY	1	1	2	2	2	2	2	2	2	2	2	2	2	2
63 SWAN FALLS	14	14	17	17	20	19	19	19	19	15	15	15	14	13
64 T W SULLIVAN	14	14	14	14	14	14	14	14	14	14	14	14	14	13
65 THE DALLES FISHWAY, NO WAS	4	4	4	4	4	4	4	4	4	4	4	4	4	4
66 TWIN FALLS	7	7	9	6	18	16	14	11	15	4	4	2	0	0
67 UPPER SALMON 182	19	19	19	19	19	19	19	19	19	19	19	19	19	19
68 UPPER SALMON 384	17	17	17	17	17	17	17	17	17	17	17	17	17	17
69 WATERVILLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70 WYNOCHEE	11	11	11	11	11	11	11	11	11	11	11	11	11	11
69 VELM	10	10	10	10	10	10	10	10	10	10	10	10	10	10
70 TOTAL HYDRO INDEPENDENTS	1843	1808	1794	1764	1773	1761	1761	1882	1920	1941	1983	1828	1837	1797

TOTAL HYDRO INDEPENDENTS

72 FEDERAL SYSTEM	687	681	684	694	674	636	633	760	766	793	791	690	683	670
73 PUBLIC AGENCIES	193	193	190	188	196	170	197	197	204	197	197	195	196	176
74 PRIVATE UTILITIES	963	934	920	882	903	955	931	925	950	951	995	943	958	951
75 TOTAL HYDRO INDEPENDENTS	1843	1808	1794	1764	1773	1761	1761	1882	1920	1941	1983	1828	1837	1797

TABLE A-5

SHEET 1 OF 2

IMPORTS

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
IMPORTS FROM EAST																
1	BASIN ELEC. TO BPA	PWR S	120	120	120	120	120	120	120	120	120	112	0	0	120	120
2	PP&L TO BPA	SO ID	13	13	42	108	161	215	189	145	117	89	89	0	18	34
INTRA-COMPANY TRANSFERS																
3	PP&L WYOMING TO PP&L		1400	1400	1014	1174	1066	1280	1301	1321	1378	1095	1095	1560	1519	1365
4	UTAH		345	345	265	244	243	279	253	267	234	162	162	196	405	485
5	IMPORTS FROM EAST		1878	1878	1441	1646	1590	1894	1863	1853	1849	1458	1346	1756	2062	2004
IMPORTS FROM PSW																
6	ANAHEIM TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BURBANK TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BGP TO BPA	SUPP NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLENDALE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	MSR TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASADENA TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	RIVERSIDE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	SMUD TO BPA	DEF NRG RET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SDG&E TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	SDG&E TO BPA	DEF NRG RET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	SCE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	SCE TO BPA	SUPP NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	SCE TO BPA	OPT NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	SCE TO PGE	SPX	0	0	0	0	225	225	225	225	0	0	0	0	0	0
20	PG&E TO PSP&L	SPX	0	0	0	0	300	300	300	300	0	0	0	0	0	0
21	NCPA TO SCL	SPX	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PG&E TO HWP	SPX	0	0	0	0	150	150	150	150	150	0	0	0	0	0
23	IMPORTS FROM PSW		0	0	0	0	675	675	675	675	150	0	0	0	0	0
IMPORTS FROM CANADA																
24	BC HYDRO TO PSP&L	PWR S	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	BC HYDRO TO SCL	ROSS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
26	BC HYDRO TO BPA	PGE ICP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	TRANS ALTA TO BPA	PWR S	125	125	125	125	125	125	125	125	125	0	0	0	0	125
28	IMPORTS FROM CANADA		272	272	272	272	258	280	315	349	368	147	147	147	147	272
29	TOTAL IMPORTS		2150	2150	1713	1918	2523	2849	2853	2877	2367	1605	1493	1903	2209	2276

TABLE A-5

SHEET 2 OF 2

IMPORTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS

AUG		1994-95 OPERATING YEAR											
1-15	16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL
									1-15	16-30			

TOTAL IMPORTS

30 FEDERAL SYSTEM	258	258	287	353	406	460	434	390	362	201	89	0	138	279
31 PUBLIC AGENCIES	143	143	143	143	129	151	186	220	239	143	143	143	143	143
32 PRIVATE UTILITIES	1749	1749	1283	1422	1988	2238	2233	2267	1766	1261	1261	1760	1928	1854
33 TOTAL IMPORTS	2150	2150	1713	1918	2523	2849	2853	2877	2367	1605	1493	1903	2209	2276

NOTE: THE FOLLOWING BPA CONTRACTS WITH THE PSW ARE INCLUDED AS FEDERAL RESOURCE OPTIONS
AND NOT INCLUDED IN THE FEDERAL LOADS AND RESOURCE BALANCE.

A. BGP TO BPA, CAPACITY/ENERGY EXCHANGE	D. SCE TO BPA, CAPACITY/ENERGY EXCHANGE
B. BGP TO BPA, SUPPLEMENTAL ENERGY	E. SCE TO BPA, SUPPLEMENTAL ENERGY
C. MSR TO BPA, CAPACITY/ENERGY EXCHANGE	F. SCE TO BPA, OPTION ENERGY

TABLE A-5

SHEET 1 OF 2

IMPORTS

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS

PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
IMPORTS FROM EAST																
1	BASIN ELEC. TO BPA	PWR S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	PP&L TO BPA	SO ID	13	13	42	108	161	215	189	145	117	89	89	0	18	34
INTRA-COMPANY TRANSFERS																
3	PP&L WYOMING TO PP&L		1172	1172	690	699	587	1047	1063	1103	941	881	881	1349	1307	1151
4	UTAH		366	366	287	267	271	310	278	288	258	181	181	214	429	504
5	IMPORTS FROM EAST		1551	1551	1019	1074	1019	1572	1530	1536	1316	1151	1151	1563	1754	1689
IMPORTS FROM PSW																
6	ANAHEIM TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BURBANK TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BGP TO BPA	SUPP NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLENDALE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	MSR TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASADENA TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	RIVERSIDE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	SMUD TO BPA	DEF NRG RET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SDG&E TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	SDG&E TO BPA	DEF NRG RET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	SCE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	SCE TO BPA	SUPP NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	SCE TO BPA	OPT NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	SCE TO PGE	SPX	0	0	0	0	225	225	225	225	0	0	0	0	0	0
20	PG&E TO PSP&L	SPX	0	0	0	0	300	300	300	300	0	0	0	0	0	0
21	NCPA TO SCL	SPX	0	0	0	0	0	46	46	46	46	12	12	0	0	0
22	PG&E TO WWP	SPX	0	0	0	0	150	150	150	150	150	0	0	0	0	0
23	IMPORTS FROM PSW		0	0	0	0	675	721	721	721	196	12	12	0	0	0
IMPORTS FROM CANADA																
24	BC HYDRO TO PSP&L	PWR S	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	BC HYDRO TO SCL	ROSS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
26	BC HYDRO TO BPA	PGE ICP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	TRANS ALTA TO BPA	PWR S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	IMPORTS FROM CANADA		147	147	147	147	133	155	190	224	243	147	147	147	147	147
29	TOTAL IMPORTS		1698	1698	1166	1221	1827	2448	2441	2481	1755	1310	1310	1710	1901	1836

TABLE A-5

SHEET 2 OF 2

PEAK IN MEGAWATTS	IMPORTS												1993 WHITEBOOK: 12/19/93		
	1998-99 OPERATING YEAR												RUN DATE: 01/19/94		
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	
TOTAL IMPORTS															
30 FEDERAL SYSTEM	13	13	42	108	161	215	189	145	117	89	89	0	18	34	
31 PUBLIC AGENCIES	143	143	143	143	129	197	232	266	285	155	155	143	143	143	
32 PRIVATE UTILITIES	1542	1542	981	970	1537	2036	2020	2070	1353	1066	1066	1567	1740	1659	
33 TOTAL IMPORTS	1698	1698	1166	1221	1827	2448	2441	2481	1755	1310	1310	1710	1901	1836	

NOTE: THE FOLLOWING BPA CONTRACTS WITH THE PSW ARE INCLUDED AS FEDERAL RESOURCE OPTIONS AND NOT INCLUDED IN THE FEDERAL LOADS AND RESOURCE BALANCE.

A. BGP TO BPA, CAPACITY/ENERGY EXCHANGE	D. SCE TO BPA, CAPACITY/ENERGY EXCHANGE
B. BGP TO BPA, SUPPLEMENTAL ENERGY	E. SCE TO BPA, SUPPLEMENTAL ENERGY
C. MSR TO BPA, CAPACITY/ENERGY EXCHANGE	F. SCE TO BPA, OPTION ENERGY

TABLE A-5

IMPORTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
IMPORTS FROM EAST																
1	BASIN ELEC. TO BPA	PWR S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	PP&L TO BPA	SO ID	13	13	42	108	161	215	189	145	117	89	89	0	18	34
INTRA-COMPANY TRANSFERS																
3	PP&L WYOMING TO PP&L		1036	1036	662	823	1050	906	915	955	1016	741	741	1213	1167	1007
4	UTAH		407	407	327	304	311	353	315	328	293	207	207	241	478	557
5	IMPORTS FROM EAST		1456	1456	1031	1235	1522	1474	1419	1428	1426	1037	1037	1454	1663	1598
IMPORTS FROM PSW																
6	ANAHEIM TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	BURBANK TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	BGP TO BPA	SUPP NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	GLENDALE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	MSR TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	PASADENA TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	RIVERSIDE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	SMUD TO BPA	DEF NRG RET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SDG&E TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	SDG&E TO BPA	DEF NRG RET	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	SCE TO BPA	XCHG NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	SCE TO BPA	SUPP NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	SCE TO BPA	OPT NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	SCE TO PGE	SPX	0	0	0	0	225	225	225	225	0	0	0	0	0	0
20	PG&E TO PSP&L	SPX	0	0	0	0	300	300	300	300	0	0	0	0	0	0
21	NCPA TO SCL	SPX	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	PG&E TO WWP	SPX	0	0	0	0	150	150	150	150	150	0	0	0	0	0
23	IMPORTS FROM PSW		0	0	0	0	675	675	675	675	150	0	0	0	0	0
IMPORTS FROM CANADA																
24	BC HYDRO TO PSP&L	PWR S	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	BC HYDRO TO SCL	ROSS	143	143	143	143	129	151	186	220	239	143	143	143	143	143
26	BC HYDRO TO BPA	PGE ICP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	TRANS ALTA TO BPA	PWR S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	IMPORTS FROM CANADA		147	147	147	147	133	155	190	224	243	147	147	147	147	147
29	TOTAL IMPORTS		1603	1603	1178	1382	2330	2304	2284	2327	1819	1184	1184	1601	1810	1745

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SHEET 2 OF 2

IMPORTS

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS	2003- 4 OPERATING YEAR												1995		1996		
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	ARRIVE	DEPT	10
RUN DATE: 0																	

TOTAL IMPORTS																	
30 FEDERAL SYSTEM	13	13	42	108	161	215	189	145	117	89	89	0	18	34			
31 PUBLIC AGENCIES	143	143	143	143	129	151	186	220	239	143	143	143	143	143			
32 PRIVATE UTILITIES	1447	1447	993	1131	2040	1938	1909	1962	1463	952	952	1458	1649	1568			
	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----			
33 TOTAL IMPORTS	1603	1603	1178	1382	2330	2304	2284	2327	1819	1184	1184	1601	1810	1745			

NOTE: THE FOLLOWING BPA CONTRACTS WITH THE PSW ARE INCLUDED AS FEDERAL RESOURCE OPTIONS
AND NOT INCLUDED IN THE FEDERAL LOADS AND RESOURCE BALANCE.

A. BGP TO BPA, CAPACITY/ENERGY EXCHANGE	D. SCE TO BPA, CAPACITY/ENERGY EXCHANGE
B. BGP TO BPA, SUPPLEMENTAL ENERGY	E. SCE TO BPA, SUPPLEMENTAL ENERGY
C. MSR TO BPA, CAPACITY/ENERGY EXCHANGE	F. SCE TO BPA, OPTION ENERGY

TABLE A-6

SMALL THERMAL AND MISCELLANEOUS RESOURCES

1993 WHITEBOOK: 12/19/93
 RUN DATE: 01/19/94

PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 STEAM PLANT 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 SUMMIT 182	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4 ENERGY MANAG SYSTEMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CRYSTAL MOUNTAIN	0	0	0	0	3	3	3	3	0	0	0	0	0	0
6 SHUFFLETON	0	0	0	0	86	86	86	86	0	0	0	0	0	0
7 BIRD REGIONAL MPC	0	0	0	0	8	9	10	11	0	0	0	0	0	0
8 CORETTE REGIONAL MPC	38	38	29	25	21	24	28	29	25	30	49	29	0	36
9 SEATTLE BOUNDARY SCL	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TOTAL SMALL THERMAL & MISC.	45	45	36	32	125	129	134	136	32	37	56	36	7	43
TOTAL SMALL THERMAL & MISC.														
11 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PUBLIC AGENCIES	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 PRIVATE UTILITIES	44	44	35	31	124	128	133	135	31	36	55	35	6	42
14 TOTAL SMALL THERMAL & MISC.	45	45	36	32	125	129	134	136	32	37	56	36	7	43

TABLE A-6

SMALL THERMAL AND MISCELLANEOUS RESOURCES

 1993 WHITEBOOK: 12/19/93
 RUN DATE: 01/19/94

PEAK IN MEGAWATTS

	1998-99 OPERATING YEAR												1993 WHITEBOOK: 12/19/93		
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	1993 WHITEBOOK: 01/19/94
1 DIESEL															
2 STEAM PLANT 2															
3 SUMMIT 182															
4 ENERGY MANAG SYSTEMS															
5 CRYSTAL MOUNTAIN															
6 SHUFFLETON															
7 BIRD															
8 CORETTE															
9 SEATTLE BOUNDARY															
10 TOTAL SMALL THERMAL & MISC.	44	44	43	46	148	160	164	162	62	62	85	60	21	58	
TOTAL SMALL THERMAL & MISC.															
11 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PUBLIC AGENCIES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 PRIVATE UTILITIES	43	43	42	45	147	159	163	161	61	61	84	59	20	57	
14 TOTAL SMALL THERMAL & MISC.	44	44	43	46	148	160	164	162	62	62	85	60	21	58	

TABLE A-6

SMALL THERMAL AND MISCELLANEOUS RESOURCES

 1993 WHITEBOOK: 12/19/93
 RUN DATE: 01/19/94

PEAK IN MEGAWATTS		2003-4 OPERATING YEAR												2004-5 OPERATING YEAR		
		AUG 1-15		AUG 16-31		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN
1	DIESEL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	STEAM PLANT 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	SUMMIT 1&2	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
4	ENERGY MANAG SYSTEMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	CRYSTAL MOUNTAIN	0	0	0	0	3	3	3	3	3	3	0	0	0	0	0
6	SHUFFLETON	0	0	0	0	86	86	86	86	86	86	0	0	0	0	0
7	BIRD	18	18	0	0	19	22	24	24	24	24	20	21	27	20	19
8	REGIONAL MPC	47	47	49	52	50	59	61	61	61	61	53	54	72	53	0
9	SEATTLE BOUNDARY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 TOTAL SMALL THERMAL & MISC.		72	72	56	59	165	177	181	181	80	82	106	80	26	75	75
TOTAL SMALL THERMAL & MISC.																
11	FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PUBLIC AGENCIES	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	PRIVATE UTILITIES	71	71	55	58	164	176	180	180	79	31	105	79	25	74	74
14 TOTAL SMALL THERMAL & MISC.		72	72	56	59	165	177	181	181	80	82	106	80	26	75	75

TABLE A-7

COMBUSTION TURBINES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	WOOD RIVER	ID	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2	BETHEL	PGE	103	103	105	109	113	115	116	115	113	110	110	107	105	103
3	BEAVER	PGE	493	493	500	511	524	530	534	529	523	514	514	507	500	493
4	WHIDBEY ISLAND	PSP&L	0	0	0	0	29	29	29	29	0	0	0	0	0	0
5	WHITEHORN	PSP&L	0	0	0	0	244	244	244	244	0	0	0	0	0	0
6	FREDRICKSON	PSP&L	0	0	0	0	178	178	178	178	0	0	0	0	0	0
7	FREDONIA UNITS 1&2	PSP&L	0	0	0	0	247	247	247	247	0	0	0	0	0	0
8	RATHDRUM UNITS 1&2	WWP	170	170	170	200	200	200	200	200	200	170	170	170	170	170
9	NORTHEAST UNITS 1&2	WWP	68	68	68	68	68	68	68	68	68	68	68	68	68	68
10 TOTAL COMBUSTION TURBINES			884	884	893	938	1653	1661	1666	1660	954	912	912	902	893	884
TOTAL COMBUSTION TURBINES																
11	FEDERAL SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PUBLIC AGENCIES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PRIVATE UTILITIES		884	884	893	938	1653	1661	1666	1660	954	912	912	902	893	884
14 TOTAL COMBUSTION TURBINES			884	884	893	938	1653	1661	1666	1660	954	912	912	902	893	884

TABLE A-7

PEAK IN MEGAWATTS		COMBUSTION TURBINES												1993 WHITEBOOK: 12/19/93		
		1998-99 OPERATING YEAR												RUN DATE: 01/19/94		
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	
1	WOOD RIVER	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2	BETHEL	103	103	105	109	113	115	116	115	113	110	110	107	105	103	103
3	BEAVER	800	800	800	800	800	800	800	800	800	400	400	400	800	800	800
4	WHITEBEY ISLAND	0	0	0	0	29	29	29	29	0	0	0	0	0	0	0
5	WHITEHORN	0	0	0	0	244	244	244	244	0	0	0	0	0	0	0
6	FREDRICKSON	0	0	0	0	178	178	178	178	0	0	0	0	0	0	0
7	FREDONIA UNITS 182	0	0	0	0	247	247	247	247	0	0	0	0	0	0	0
8	RATHDRUM UNITS 182	170	170	170	200	200	200	200	200	200	170	170	170	170	170	170
9	NORTHEAST UNITS 182	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
10	TOTAL COMBUSTION TURBINES	1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191	1191
TOTAL COMBUSTION TURBINES																
11	FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PRIVATE UTILITIES	1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191	1191
14	TOTAL COMBUSTION TURBINES	1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191	1191

TABLE A-7

COMBUSTION TURBINES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	WOOD RIVER	ID	50	50	50	50	50	50	50	50	50	50	50	50	50	50
2	BETHEL	PGE	103	103	105	109	113	115	116	115	113	110	110	107	105	103
3	BEAVER	PGE	800	800	800	800	800	800	800	800	800	400	400	400	800	800
4	WHIDBEY ISLAND	PSP&L	0	0	0	0	29	29	29	29	0	0	0	0	0	0
5	WHITEHORN	PSP&L	0	0	0	0	244	244	244	244	0	0	0	0	0	0
6	FREDRICKSON	PSP&L	0	0	0	0	178	178	178	178	0	0	0	0	0	0
7	FREDONIA UNITS 1&2	PSP&L	0	0	0	0	247	247	247	247	0	0	0	0	0	0
8	RATHDRUM UNITS 1&2	WWP	170	170	170	200	200	200	200	200	200	170	170	170	170	170
9	NORTHEAST UNITS 1&2	WWP	68	68	68	68	68	68	68	68	68	68	68	68	68	68
10 TOTAL COMBUSTION TURBINES			1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191
TOTAL COMBUSTION TURBINES																
11	FEDERAL SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	PUBLIC AGENCIES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	PRIVATE UTILITIES		1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191
14 TOTAL COMBUSTION TURBINES			1191	1191	1193	1227	1929	1931	1932	1931	1231	798	798	795	1193	1191

TABLE A-8

RENEWABLE RESOURCES
1994-95 OPERATING YEAR1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	SHORT MOUNTAIN														
2	KETTLE FALLS	2 47	2 47	2 47	2 47	2 47	2 47	2 47	2 47	2 47	2 47	2 47	2 47	2 0	2 47
3	TOTAL RENEWABLE RESOURCES	49	49	49	49	49	49	49	49	49	49	49	49	2	49
TOTAL RENEWABLE RESOURCES															
4	FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	PUBLIC AGENCIES	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	PRIVATE UTILITIES	47	47	47	47	47	47	47	47	47	47	47	47	0	47
7	TOTAL RENEWABLE RESOURCES	49	49	49	49	49	49	49	49	49	49	49	49	2	49

TABLE A-8

RENEWABLE RESOURCES

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	SHORT MOUNTAIN														
2	KETTLE FALLS	47	47	47	47	47	47	47	47	47	47	47	47	47	47
3	TOTAL RENEWABLE RESOURCES	51	51	51	51	51	51	51	51	51	51	51	51	4	51
TOTAL RENEWABLE RESOURCES															
4	FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	PUBLIC AGENCIES	47	47	47	47	47	47	47	47	47	47	47	47	47	47
6	PRIVATE UTILITIES														
7	TOTAL RENEWABLE RESOURCES	51	51	51	51	51	51	51	51	51	51	51	51	4	51

TABLE A-8

PEAK IN MEGAWATTS		RENEWABLE RESOURCES												1993 WHITEBOOK: 12/19/93	
		2003- 4 OPERATING YEAR												RUN DATE: 01/19/94	
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	SHORT MOUNTAIN	5	5	5	5	5	5	5	5	5	5	5	5	5	5
2	KETTLE FALLS	47	47	47	47	47	47	47	47	47	47	47	47	0	47
3	TOTAL RENEWABLE RESOURCES	52	52	52	52	52	52	52	52	52	52	52	52	5	52
TOTAL RENEWABLE RESOURCES															
4	FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	PUBLIC AGENCIES	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	PRIVATE UTILITIES	47	47	47	47	47	47	47	47	47	47	47	47	0	47
7	TOTAL RENEWABLE RESOURCES	52	52	52	52	52	52	52	52	52	52	52	52	5	52

TABLE A-9

1993 WHITEBOOK: 12/19/93
 RUN DATE: 01/19/94

COGENERATION
 1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 WEYCO ENERGY CENTER	20	20	20	20	20	0	20	20	20	20	20	20	20	0
2 SCOTT PAPER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 COYOTE SPRINGS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
THE FOLLOWING RESOURCE IS SOLD OUTSIDE THE REGION														
4 LONGVIEW FIBRE FOR WAPA *	45	45	45	45	45	45	45	45	45	45	45	45	45	45
5 TOTAL COGENERATION	65	65	65	65	65	45	65	65	65	65	65	65	65	45
TOTAL COGENERATION														
6 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 PUBLIC AGENCIES	20	20	20	20	20	0	20	20	20	20	20	20	20	0
8 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 NON-NORTHWEST UTILITIES *	45	45	45	45	45	45	45	45	45	45	45	45	45	45
10 TOTAL COGENERATION	65	65	65	65	65	45	65	65	65	65	65	65	65	45

TABLE A-9

COGENERATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	WEYCC ENERGY CENTER EWEB	20	20	20	20	20	0	20	20	20	20	20	20	20	0
2	SCOTT PAPER SNOH	38	38	27	27	27	27	27	27	27	38	38	38	38	38
3	COYOTE SPRINGS PGE	240	240	240	240	240	240	240	240	240	0	0	240	240	240
THE FOLLOWING RESOURCE IS SOLD OUTSIDE THE REGION															
4	LONGVIEW FIBRE FOR WAPA *	45	45	45	45	45	45	45	45	45	45	45	45	45	45
5	TOTAL COGENERATION	343	343	332	332	332	312	332	332	332	103	103	343	343	323
TOTAL COGENERATION															
6	FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	PUBLIC AGENCIES	58	58	47	47	47	27	47	47	47	58	58	58	58	38
8	PRIVATE UTILITIES	240	240	240	240	240	240	240	240	240	0	0	240	240	240
9	NON-NORTHWEST UTILITIES *	45	45	45	45	45	45	45	45	45	45	45	45	45	45
10	TOTAL COGENERATION	343	343	332	332	332	312	332	332	332	103	103	343	343	323

TABLE A-9

COGENERATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	WEYCO ENERGY CENTER	EWB	20	20	20	20	20	0	20	20	20	20	20	20	20	0
2	SCOTT PAPER	SNOH	38	38	27	27	27	27	27	27	27	38	38	38	38	38
3	COYOTE SPRINGS	PGE	240	240	240	240	240	240	240	240	240	0	0	240	240	240
THE FOLLOWING RESOURCE IS SOLD OUTSIDE THE REGION																
4	LONGVIEW FIBRE FOR WAPA *		45	45	45	45	45	45	45	45	45	45	45	45	45	45
5	TOTAL COGENERATION		343	343	332	332	332	312	332	332	332	103	103	343	343	323
TOTAL COGENERATION																
6	FEDERAL SYSTEM		0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	PUBLIC AGENCIES		58	58	47	47	47	27	47	47	47	58	58	58	58	38
8	PRIVATE UTILITIES		240	240	240	240	240	240	240	240	240	0	0	240	240	240
9	NON-NORTHWEST UTILITIES *		45	45	45	45	45	45	45	45	45	45	45	45	45	45
10	TOTAL COGENERATION		343	343	332	332	332	312	332	332	332	103	103	343	343	323

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SHEET 1 OF 2

LARGE THERMAL

1993 WHITEBOOK: 12/19/93

1994-95 OPERATING YEAR

RUN DATE: 01/19/94

PEAK IN MEGAWATTS				AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
				-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
BOARDMAN, COAL																	
1	IDAHO	SHARE	10.0 %	50	50	50	50	50	50	50	50	50	50	50	0	50	50
2	PGE	SHARE	65.8 %	329	329	329	329	329	329	329	329	329	329	329	0	329	329
3	BOARDMAN		75.8% REGION	379	379	379	379	379	379	379	379	379	379	379	0	379	379
SAN DIEGO GAS AND ELECTRIC AND CITY OF TURLOCK ARE NOT REGIONAL RESOURCES																	
4	SDG&E	SHARE	14.2 %	*	71	71	71	71	71	71	71	71	71	71	0	71	71
5	TURLOCK	SHARE	10.0 %	*	50	50	50	50	50	50	50	50	50	50	0	50	50
6	BOARDMAN		24.2% NON-REGION		121	121	121	121	121	121	121	121	121	121	0	121	121
7	BOARDMAN				500	500	500	500	500	500	500	500	500	500	0	500	500
CENTRALIA, COAL																	
8	PP&L	SHARE	47.5 %	622	622	622	622	622	622	622	622	622	622	622	311	622	622
9	PGE	SHARE	2.5 %	33	33	33	33	33	33	33	33	33	33	33	16	33	33
10	PSP&L	SHARE	7.0 % + 4.0%	144	144	144	144	144	144	144	144	144	144	144	72	144	144
11	SEATTLE	SHARE	8.0 %	105	105	105	105	105	105	105	105	105	105	105	52	105	105
12	TACOMA	SHARE	8.0 %	105	105	105	105	105	105	105	105	105	105	105	53	105	105
13	WWP	SHARE	15.0 %	196	196	196	196	196	196	196	196	196	196	196	98	196	196
14	SNOHOM	SHARE	8.0 %	105	105	105	105	105	105	105	105	105	105	105	53	105	105
15	GHARBOR	SHARE	4.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	CENTRALIA			1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	655	1310	1310
COLSTRIP 1 & 2, COAL																	
17	MPC	SHARE	IN REGION	77	77	59	51	44	49	57	60	51	31	99	29	55	74
18	PSP&L	SHARE		318	318	318	318	318	318	318	318	318	159	318	159	318	318
19	COLSTRIP 1 & 2			395	395	377	369	362	367	375	378	369	190	417	188	373	392
COLSTRIP 3, COAL																	
20	MPC	SHARE	IN REGION	53	53	40	35	30	33	39	41	35	42	0	40	38	51
21	PP&L	SHARE	10 %	72	72	73	73	73	73	73	73	73	73	0	73	73	73
22	PGE	SHARE	20 %	145	145	145	145	145	145	145	145	145	145	0	145	145	145
23	PSP&L	SHARE	25 %	181	181	181	181	181	181	181	181	181	181	0	181	181	181
24	WWP	SHARE	15 %	109	109	109	109	109	109	109	109	109	109	0	109	109	109
25	COLSTRIP 3			560	560	548	543	538	541	547	549	543	550	0	548	546	559

TABLE A-10 (CONTINUED)

SHEET 2 OF 2

LARGE THERMAL

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
COLSTRIP 4, COAL																
26 MPC	SHARE	30 %	218	218	218	218	218	218	218	218	218	218	0	218	218	218
27 PP&L	SHARE	10 %	73	73	73	73	73	73	73	73	73	73	0	73	73	73
28 PGE	SHARE	20 %	145	145	145	145	145	145	145	145	145	145	0	145	145	145
29 PSP&L	SHARE	25 %	181	181	181	181	181	181	181	181	181	181	0	181	181	181
30 WWP	SHARE	15 %	109	109	109	109	109	109	109	109	109	109	0	109	109	109
31 COLSTRIP 4			726	726	726	726	726	726	726	726	726	726	0	726	726	726
JIM BRIDGER, COAL																
32 IDAHO	SHARE	33%	693	693	693	693	520	693	693	693	693	347	347	520	693	693
VALMY, COAL																
33 IDAHO	SHARE	50% OUTPUT	242	242	242	242	242	242	242	242	242	242	242	242	242	242
WNP 2, NUCLEAR																
34 BPA	SHARE	100.0%	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	1150	1150
35 TOTAL LARGE THERMAL			5526	5526	5496	5483	5298	5479	5493	5498	5483	4965	2816	2879	5540	5572
TOTAL LARGE THERMAL																
36 FEDERAL SYSTEM			1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	0	0	1150	1150
37 PUBLIC AGENCIES			315	315	315	315	315	315	315	315	315	315	315	158	315	315
38 PRIVATE UTILITIES			3990	3990	3960	3947	3762	3943	3957	3962	3947	3429	2380	2721	3954	3986
39 NON-NORTHWEST UTILITIES	*		121	121	121	121	121	121	121	121	121	121	121	0	121	121
40 TOTAL LARGE THERMAL			5526	5526	5496	5483	5298	5479	5493	5498	5483	4965	2816	2879	5540	5572

1993 WHITEBOOK: 12/19/93
 RUN DATE: 01/19/94

TABLE A-10

LARGE THERMAL

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 IDAHO	50	50	50	50	50	50	50	50	50	50	50	0	50	50
2 PGE	329	329	329	329	329	329	329	329	329	329	329	0	329	329
3 BOARDMAN	379	379	379	379	379	379	379	379	379	379	379	0	379	379

BOARDMAN, COAL
 1 IDAHO SHARE 10.0 %
 2 PGE SHARE 65.8 %
 3 BOARDMAN 75.8% REGION

SAN DIEGO GAS AND ELECTRIC AND CITY OF TURLOCK ARE NOT REGIONAL RESOURCES

4 SDG&E	71	71	71	71	71	71	71	71	71	71	71	0	71	71
5 TURLOCK	50	50	50	50	50	50	50	50	50	50	50	0	50	50
6 BOARDMAN	121	121	121	121	121	121	121	121	121	121	121	0	121	121
7 BOARDMAN	500	500	500	500	500	500	500	500	500	500	500	0	500	500

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CENTRALIA, COAL

8 PP&L	622	622	622	622	622	622	622	622	622	622	622	311	311	622
9 PGE	33	33	33	33	33	33	33	33	33	33	33	16	16	33
10 PSP&L	92	92	92	92	92	92	92	92	92	92	92	46	46	92
11 SEATTLE	105	105	105	105	105	105	105	105	105	105	105	52	52	105
12 TACOMA	105	105	105	105	105	105	105	105	105	105	105	53	53	105
13 WWP	196	196	196	196	196	196	196	196	196	196	196	98	98	196
14 SNOHOM	105	105	105	105	105	105	105	105	105	105	105	53	53	105
15 GHARBOR	52	52	52	52	52	52	52	52	52	52	52	26	26	52
16 CENTRALIA	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	655	655	1310

COLSTRIP 1 & 2, COAL

17 MPC	76	76	74	79	77	94	100	98	81	40	115	39	74	75
18 PSP&L	318	318	318	318	318	318	318	318	318	159	318	159	318	318
19 COLSTRIP 1 & 2	394	394	392	397	395	412	418	417	398	200	433	198	392	392

COLSTRIP 3, COAL

20 MPC	52	52	50	54	53	64	68	67	55	55	0	53	51	51
21 PP&L	73	73	73	73	72	73	73	73	73	73	0	73	73	73
22 PGE	145	145	145	145	145	145	145	145	145	145	0	145	145	145
23 PSP&L	181	181	181	181	181	181	181	181	181	181	0	181	181	181
24 WWP	109	109	109	109	109	109	109	109	109	109	0	109	109	109
25 COLSTRIP 3	560	560	558	562	560	572	576	575	563	563	0	561	559	559

TABLE A-10 (CONTINUED)

SHEET 2 OF 2

		LARGE THERMAL										1993 WHITEBOOK: 12/19/93			
		1998-99 OPERATING YEAR										RUN DATE: 01/19/94			
PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
COLSTRIP 4, COAL															
26 MPC	SHARE 30 %	218	218	218	218	218	218	218	218	218	218	0	218	218	218
27 PP&L	SHARE 10 %	72	72	73	73	73	73	73	73	73	73	0	73	73	73
28 PGE	SHARE 20 %	145	145	145	145	145	145	145	145	145	145	0	145	145	145
29 PSP&L	SHARE 25 %	181	181	181	181	181	181	181	181	181	181	0	181	181	181
30 WWP	SHARE 15 %	109	109	109	109	109	109	109	109	109	109	0	109	109	109
31 COLSTRIP 4		725	725	726	726	726	726	726	726	726	726	0	726	726	726
JIM BRIDGER, COAL															
32 IDAHO	SHARE 33%	693	693	693	693	520	693	693	693	693	347	347	520	693	693
VALMY, COAL															
33 IDAHO	SHARE 50% OUTPUT	242	242	242	242	242	242	242	242	242	121	121	242	242	242
WNP 2, NUCLEAR															
34 BPA	SHARE 100.0%	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
35 TOTAL LARGE THERMAL		5579	5579	5576	5585	5408	5610	5620	5618	5587	4922	2711	2902	4922	5577
TOTAL LARGE THERMAL															
36 FEDERAL SYSTEM		1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
37 PUBLIC AGENCIES		367	367	367	367	367	367	367	367	367	367	367	184	184	367
38 PRIVATE UTILITIES		3936	3936	3933	3942	3765	3967	3977	3975	3944	3279	2223	2718	3462	3934
39 NON-NORTHWEST UTILITIES	*	121	121	121	121	121	121	121	121	121	121	121	0	121	121
40 TOTAL LARGE THERMAL		5579	5579	5576	5585	5408	5610	5620	5618	5587	4922	2711	2902	4922	5577

TABLE A-10
LARGE THERMAL
2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
BOARDMAN, COAL														
1 IDAHO SHARE 10.0 %	50	50	50	50	50	50	50	50	50	50	50	0	50	50
2 PGE SHARE 65.8 %	329	329	329	329	329	329	329	329	329	329	329	0	329	329
3 BOARDMAN 75.8% REGION	379	379	379	379	379	379	379	379	379	379	379	0	379	379
SAN DIEGO GAS AND ELECTRIC AND CITY OF TURLOCK ARE NOT REGIONAL RESOURCES														
4 SDG&E SHARE 14.2 % *	71	71	71	71	71	71	71	71	71	71	71	0	71	71
5 TURLOCK SHARE 10.0 % *	50	50	50	50	50	50	50	50	50	50	50	0	50	50
6 BOARDMAN 24.2% NON-REGION	121	121	121	121	121	121	121	121	121	121	121	0	121	121
7 BOARDMAN	500	500	500	500	500	500	500	500	500	500	500	0	500	500

CENTRALIA, COAL														
8 PP&L SHARE 47.5 %	622	622	622	622	622	622	622	622	622	622	622	311	622	622
9 PGE SHARE 2.5 %	33	33	33	33	33	33	33	33	33	33	33	16	33	33
10 PSP&L SHARE 7.0 % + 4.0%	92	92	92	92	92	92	92	92	92	92	92	46	92	92
11 SEATTLE SHARE 8.0 %	105	105	105	105	105	105	105	105	105	105	105	53	105	105
12 TACOMA SHARE 8.0 %	105	105	105	105	105	105	105	105	105	105	105	53	105	105
13 WWP SHARE 15.0 %	196	196	196	196	196	196	196	196	196	196	196	98	196	196
14 SNOHOM SHARE 8.0 %	105	105	105	105	105	105	105	105	105	105	105	53	105	105
15 GHARBOR SHARE 4.0%	52	52	52	52	52	52	52	52	52	52	52	26	52	52
16 CENTRALIA	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	1310	655	1310	1310

COLSTRIP 1 & 2, COAL														
17 MPC SHARE IN REGION	96	96	99	105	102	120	126	126	107	55	146	54	102	100
18 PSP&L SHARE	318	318	318	318	318	318	318	318	318	159	318	159	318	318
19 COLSTRIP 1 & 2	414	414	417	423	420	438	444	443	425	214	464	213	420	418

COLSTRIP 3, COAL														
20 MPC SHARE IN REGION	66	66	68	72	70	82	86	86	73	75	0	73	69	68
21 PP&L SHARE 10 %	73	73	73	73	73	73	73	73	73	73	0	73	73	73
22 PGE SHARE 20 %	145	145	145	145	145	145	145	145	145	145	0	145	145	145
23 PSP&L SHARE 25 %	181	181	181	181	181	181	181	181	181	181	0	181	181	181
24 WWP SHARE 15 %	109	109	109	109	109	109	109	109	109	109	0	109	109	109
25 COLSTRIP 3	574	574	576	580	578	590	594	594	581	583	0	581	577	576

TABLE A-10 (CONTINUED)

LARGE THERMAL

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS

			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
COLSTRIP 4, COAL																
26 MPC	SHARE	30 %	218	218	218	218	218	218	218	218	218	218	0	218	218	218
27 PP&L	SHARE	10 %	73	73	73	73	72	73	73	73	73	73	0	73	73	73
28 PGE	SHARE	20 %	145	145	145	145	145	145	145	145	145	145	0	145	145	145
29 PSP&L	SHARE	25 %	181	181	181	181	181	181	181	181	181	181	0	181	181	181
30 WWP	SHARE	15 %	109	109	109	109	109	109	109	109	109	109	0	109	109	109
31 COLSTRIP 4			726	726	726	726	725	726	726	726	726	726	0	726	726	726
JIM BRIDGER, COAL																
32 IDAHO	SHARE	33%	693	693	693	693	520	693	693	693	693	347	347	520	693	693
VALMY, COAL																
33 IDAHO	SHARE	50% OUTPUT	242	242	242	242	242	242	242	242	242	121	121	242	242	242
WNP 2, NUCLEAR																
34 BPA	SHARE	100.0%	1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
35 TOTAL LARGE THERMAL			5614	5614	5619	5629	5450	5654	5664	5663	5632	4956	2742	2937	5623	5620
TOTAL LARGE THERMAL																
36 FEDERAL SYSTEM			1155	1155	1155	1155	1155	1155	1155	1155	1155	1155	0	0	1155	1155
37 PUBLIC AGENCIES			367	367	367	367	367	367	367	367	367	367	367	184	367	367
38 PRIVATE UTILITIES			3971	3971	3976	3986	3807	4011	4021	4020	3989	3313	2254	2753	3980	3977
39 NON-NORTHWEST UTILITIES			121	121	121	121	121	121	121	121	121	121	121	0	121	121
40 TOTAL LARGE THERMAL			5614	5614	5619	5629	5450	5654	5664	5663	5632	4956	2742	2937	5623	5620

*

TABLE A-11

RESTORATION													1993 WHITEBOOK: 12/19/93 RUN DATE: 01/19/94		
1994-95 OPERATING YEAR															
PEAK IN MEGAWATTS	AUG 1-15 16-31	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	
1 FEDERAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 COCKUM TRANSMISSION CO.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 COWLIZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EUGENE WATER & ELEC BOARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GRANT COUNTY PUD #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 MONTANA POWER CO. REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PORTLAND GENERAL ELECTRIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PACIFIC POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PUGET SOUND POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 SEATTLE CITY LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 TACOMA PUBLIC UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 WASHINGTON WATER POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-11

RESTORATION

 1993 WHITEBOOK: 12/19/93
 RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 FEDERAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 COLOCKUM TRANSMISSION CO.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 COWLIZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EUGENE WATER & ELEC BOARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GRANT COUNTY PUD #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 MONTANA POWER CO. REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PORTLAND GENERAL ELECTRIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PACIFIC POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PUGET SOUND POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 SEATTLE CITY LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 TACOMA PUBLIC UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 WASHINGTON WATER POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-11

RESTORATION
2003 - 4 OPERATING YEAR1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL
	1-15	16-31								1-15	16-30			
1 FEDERAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 COLOCUM TRANSMISSION CO.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 COMILIZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 EUGENE WATER & ELEC BOARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GRANT COUNTY PUD #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 MONTANA POWER CO. REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PORTLAND GENERAL ELECTRIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PACIFIC POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PUGET SOUND POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 SEATTLE CITY LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 TACOMA PUBLIC UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 WASHINGTON WATER POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 TOTAL RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-12

CANADIAN ENTITLEMENT RETURN FOR CSPE

EXPIRING APRIL 1, 2003

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL

BPA CANADIAN ENTITLEMENT

1 BPA CANADIAN ENTITLEMENT	504	504	504	504	504	504	504	504	504	504	438	438	438	438
PRIEST RAPIDS CANADIAN ENTITLEMENT														
2 PP&L CER FOR PRIEST R.	5	5	5	5	5	5	5	5	5	4	4	4	4	4
3 PGE CER FOR PRIEST R.	5	5	5	5	5	5	5	5	5	4	4	4	4	4
4 PSP&L CER FOR PRIEST R.	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5 SEATTL CER FOR PRIEST R.	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6 TACOMA CER FOR PRIEST R.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7 WHP CER FOR PRIEST R.	13	13	13	13	13	13	13	13	13	11	11	11	11	11
8 GRANT CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 EUGENE CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 COWLIZ CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 F GROV CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 MCMINN CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 M FREE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 KITITS CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PRIEST CANADIAN ENTITLEMENT	36	36	36	36	36	36	36	36	36	31	31	31	31	31

WANAPUM CANADIAN ENTITLEMENT

16 PP&L CER FOR WANAPUM	9	9	9	9	9	9	9	9	9	8	8	8	8	8
17 PGE CER FOR WANAPUM	9	9	9	9	9	9	9	9	9	8	8	8	8	8
18 PSP&L CER FOR WANAPUM	5	5	5	5	5	5	5	5	5	4	4	4	4	4
19 WHP CER FOR WANAPUM	4	4	4	4	4	4	4	4	4	3	3	3	3	3
20 GRANT CER FOR WANAPUM	17	17	17	17	17	17	17	17	17	14	14	14	14	14
21 EUGENE CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22 COWLIZ CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 F GROV CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 MCMINN CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 M FREE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 WANAPUM CANADIAN ENT	46	46	46	46	46	46	46	46	46	39	39	39	39	39

ROCK ISLAND CANADIAN ENTITLEMENT

27 CHELAN CER FOR ROCK ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 PSP&L CER FOR ROCK ISLAND	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29 ROCK I CANADIAN ENTITLEMENT	2	2	2	2	2	2	2	2	2	2	2	2	2	2

TABLE A-12 (CONTINUED)

SHEET 2 OF 2

CANADIAN ENTITLEMENT RETURN FOR CSPE
EXPIRING APRIL 1, 20031993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ROCKY REACH CANADIAN ENTITLEMENT															
30	PP&L CER FOR ROCKY REACH	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	PGE CER FOR ROCKY REACH	6	6	6	6	6	6	6	6	6	4	4	4	4	4
32	PSP&L CER FOR ROCKY REACH	18	18	18	18	18	18	18	18	18	15	15	15	15	15
33	WWP CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
34	DOUGLS CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
35	CHELAN CER FOR ROCKY REACH	7	7	7	7	7	7	7	7	7	6	6	6	6	6
36	COLOCK CER FOR ROCKY REACH	10	10	10	10	10	10	10	10	10	9	9	9	9	9
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
37	ROCKY REACH CANADIAN ENT	45	45	45	45	45	45	45	45	45	38	38	38	38	38
WELLS CANADIAN ENTITLEMENT															
38	PP&L CER FOR WELLS	3	3	3	3	3	3	3	3	3	2	2	2	2	2
39	PGE CER FOR WELLS	7	7	7	7	7	7	7	7	7	6	6	6	6	6
40	PSP&L CER FOR WELLS	11	11	11	11	11	11	11	11	11	10	10	10	10	10
41	WWP CER FOR WELLS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
42	DOUGLS CER FOR WELLS	8	8	8	8	8	8	8	8	8	7	7	7	7	7
43	OKANOG CER FOR WELLS	3	3	3	3	3	3	3	3	3	2	2	2	2	2
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
44	WELLS CANADIAN ENTITLEMENT	33	33	33	33	33	33	33	33	33	28	28	28	28	28
45	TOTAL CANADIAN ENT	666	666	666	666	666	666	666	666	666	576	576	576	576	576
TOTAL CANADIAN ENTITLEMENT															
46	FEDERAL SYSTEM	504	504	504	504	504	504	504	504	504	438	438	438	438	438
47	PUBLIC AGENCIES W/COLOCKUM	69	69	69	69	69	69	69	69	69	60	60	60	60	60
48	PRIVATE UTILITIES	93	93	93	93	93	93	93	93	93	78	78	78	78	78
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
49	TOTAL	666	666	666	666	666	666	666	666	666	576	576	576	576	576

CANADIAN ENTITLEMENT RETURN FOR CSPE
EXPIRING APRIL 1, 2003
1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL
	AUG 1-15	AUG 16-31							APR 1-15	APR 16-30		

BPA CANADIAN ENTITLEMENT

[illegible]

PRIEST RAPIDS CANADIAN ENTITLEMENT

[illegible]

WANAPUM CANADIAN ENTITLEMENT

[illegible]

ROCK ISLAND CANADIAN ENTITLEMENT

[illegible]

TABLE A-12 (CONTINUED)

SHEET 2 OF 2

CANADIAN ENTITLEMENT RETURN FOR CSPE
EXPIRING APRIL 1, 2003

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
ROCKY REACH CANADIAN ENTITLEMENT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30 PP&L CER FOR ROCKY REACH	3	3	3	3	3	3	3	3	3	2	2	2	2	2
31 PGE CER FOR ROCKY REACH	11	11	11	11	11	11	11	11	11	5	5	5	5	5
32 PSP&L CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	0	0	0	0	0
33 WMP CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	0	0	0	0	0
34 DOUGLS CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	2	2	2	2	2
35 CHELAN CER FOR ROCKY REACH	4	4	4	4	4	4	4	4	4	3	3	3	3	3
36 COLCOCK CER FOR ROCKY REACH	6	6	6	6	6	6	6	6	6	3	3	3	3	3
37 ROCKY REACH CANADIAN ENT	27	27	27	27	27	27	27	27	27	13	13	13	13	13

ROCKY REACH CANADIAN ENTITLEMENT

30 PP&L CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31 PGE CER FOR ROCKY REACH	3	3	3	3	3	3	3	3	3	2	2	2	2	2
32 PSP&L CER FOR ROCKY REACH	11	11	11	11	11	11	11	11	11	5	5	5	5	5
33 WMP CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	0	0	0	0	0
34 DOUGLS CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	0	0	0	0	0
35 CHELAN CER FOR ROCKY REACH	4	4	4	4	4	4	4	4	4	2	2	2	2	2
36 COLCOCK CER FOR ROCKY REACH	6	6	6	6	6	6	6	6	6	3	3	3	3	3
37 ROCKY REACH CANADIAN ENT	27	27	27	27	27	27	27	27	27	13	13	13	13	13

WELLS CANADIAN ENTITLEMENT

38 PP&L CER FOR WELLS	1	1	1	1	1	1	1	1	1	1	1	1	1	1
39 PGE CER FOR WELLS	4	4	4	4	4	4	4	4	4	2	2	2	2	2
40 PSP&L CER FOR WELLS	7	7	7	7	7	7	7	7	7	3	3	3	3	3
41 WMP CER FOR WELLS	1	1	1	1	1	1	1	1	1	0	0	0	0	0
42 DOUGLS CER FOR WELLS	1	1	1	1	1	1	1	1	1	2	2	2	2	2
43 OKANOG CER FOR WELLS	2	2	2	2	2	2	2	2	2	1	1	1	1	1
44 WELLS CANADIAN ENTITLEMENT	19	19	19	19	19	19	19	19	19	9	9	9	9	9

45 TOTAL CANADIAN ENT

TOTAL CANADIAN ENTITLEMENT

46 FEDERAL SYSTEM	320	320	320	320	320	320	320	320	320	154	154	154	154	154
47 PUBLIC AGENCIES W/COLCOCKUM	42	42	42	42	42	42	42	42	42	19	19	19	19	19
48 PRIVATE UTILITIES	54	54	54	54	54	54	54	54	54	27	27	27	27	27
49 TOTAL	416	416	416	416	416	416	416	416	416	200	200	200	200	200

TABLE A-12

SHEET 1 OF 2

CANADIAN ENTITLEMENT RETURN FOR CSPE
EXPIRING APRIL 1, 20031993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
BPA CANADIAN ENTITLEMENT															
1	BPA CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRIEST RAPIDS CANADIAN ENTITLEMENT															
2	PP&L CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	PGE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	PSP&L CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	SEATTL CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	TACOMA CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	WWP CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	GRANT CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	EUGENE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	COWLIZ CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	F GROV CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	MCMINN CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	M FREE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	KITITS CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	PRIEST CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WANAPUM CANADIAN ENTITLEMENT															
16	PP&L CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PGE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	PSP&L CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	WWP CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	GRANT CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	EUGENE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	COWLIZ CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	F GROV CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	MCMINN CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	M FREE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	WANAPUM CANADIAN ENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROCK ISLAND CANADIAN ENTITLEMENT															
27	CHELAN CER FOR ROCK ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSP&L CER FOR ROCK ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	ROCK I CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

CANADIAN ENTITLEMENT RETURN FOR CSPE
EXPIRING APRIL 1, 20031993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
ROCKY REACH CANADIAN ENTITLEMENT														
30 PP&L CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 PGE CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 PSP&L CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 WMP CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 DOUGLS CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 CHELAN CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 COLOCK CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 ROCKY REACH CANADIAN ENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WELLS CANADIAN ENTITLEMENT														
38 PP&L CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PSP&L CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 WMP CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 DOUGLS CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 OKANDG CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 WELLS CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 TOTAL CANADIAN ENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL CANADIAN ENTITLEMENT														
46 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 PUBLIC AGENCIES W/COLOCKUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 TOTAL	0	0	0	3	0	0	0	0	0	0	0	0	0	0

TABLE A-13

COLUMBIA STORAGE POWER EXCHANGE (CSPE) PURCHASE
EXPIRING APRIL 1, 2003
1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS	1994-95 OPERATING YEAR													
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	7	7	7	7	7	7	7	7	7	6	6	6	6	6
2 CLARK PUBLIC UTILITIES	20	20	20	20	20	20	20	20	20	17	17	17	17	17
3 COMLITZ COUNTY PUD #1	17	17	17	17	17	17	17	17	17	14	14	14	14	14
4 DOUGLAS COUNTY PUD #1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5 EUGENE WATER & ELEC BOARD	37	37	37	37	37	37	37	37	37	32	32	32	32	32
6 GRANT COUNTY PUD #1	3	3	3	3	3	3	3	3	3	2	2	2	2	2
7 GRAYS HARBOR COUNTY PUD #1	10	10	10	10	10	10	10	10	10	9	9	9	9	9
8 OTHER PUBLIC AGENCIES	61	61	61	61	61	61	61	61	61	53	53	53	53	53
9 PEND OREILLE COUNTY PUD #1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 PORTLAND GENERAL ELECTRIC	117	117	117	117	117	117	117	117	117	101	101	101	101	101
11 PACIFIC POWER & LIGHT	67	67	67	67	67	67	67	67	67	57	57	57	57	57
12 PUGET SOUND POWER & LIGHT	116	116	116	116	116	116	116	116	116	101	101	101	101	101
13 SEATTLE CITY LIGHT	83	83	83	83	83	83	83	83	83	72	72	72	72	72
14 SNOHOMISH COUNTY PUD #1	10	10	10	10	10	10	10	10	10	9	9	9	9	9
15 TACOMA PUBLIC UTILITIES	83	83	83	83	83	83	83	83	83	72	72	72	72	72
16 WASHINGTON WATER POWER	33	33	33	33	33	33	33	33	33	29	29	29	29	29
17 TOTAL CSPE PURCHASE	666	666	666	666	666	666	666	666	666	576	576	576	576	576
TOTAL CSPE PURCHASE														
18 PUBLIC AGENCIES	333	333	333	333	333	333	333	333	333	288	288	288	288	288
19 PRIVATE UTILITIES	333	333	333	333	333	333	333	333	333	288	288	288	288	288
20 TOTAL	666	666	666	666	666	666	666	666	666	576	576	576	576	576

TABLE A-13

COLUMBIA STORAGE POWER EXCHANGE (CSPE) PURCHASE
EXPIRING APRIL 1, 20031993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	4	4	4	4	4	4	4	4	4	2	2	2	2	2
2 CLARK PUBLIC UTILITIES	12	12	12	12	12	12	12	12	12	6	6	6	6	6
3 COWLITZ COUNTY PUD #1	10	10	10	10	10	10	10	10	10	5	5	5	5	5
4 DOUGLAS COUNTY PUD #1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
5 EUGENE WATER & ELEC BOARD	23	23	23	23	23	23	23	23	23	11	11	11	11	11
6 GRANT COUNTY PUD #1	2	2	2	2	2	2	2	2	2	1	1	1	1	1
7 GRAYS HARBOR COUNTY PUD #1	6	6	6	6	6	6	6	6	6	3	3	3	3	3
8 OTHER PUBLIC AGENCIES	38	38	38	38	38	38	38	38	38	18	18	18	18	18
9 PEND OREILLE COUNTY PUD #1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10 PORTLAND GENERAL ELECTRIC	73	73	73	73	73	73	73	73	73	35	35	35	35	35
11 PACIFIC POWER & LIGHT	42	42	42	42	42	42	42	42	42	20	20	20	20	20
12 PUGET SOUND POWER & LIGHT	73	73	73	73	73	73	73	73	73	35	35	35	35	35
13 SEATTLE CITY LIGHT	52	52	52	52	52	52	52	52	52	25	25	25	25	25
14 SNOHOMISH COUNTY PUD #1	6	6	6	6	6	6	6	6	6	3	3	3	3	3
15 TACOMA PUBLIC UTILITIES	52	52	52	52	52	52	52	52	52	25	25	25	25	25
16 WASHINGTON WATER POWER	21	21	21	21	21	21	21	21	21	10	10	10	10	10
17 TOTAL CSPE PURCHASE	416	416	416	416	416	416	416	416	416	200	200	200	200	200
TOTAL CSPE PURCHASE														
18 PUBLIC AGENCIES	207	207	207	207	207	207	207	207	207	100	100	100	100	100
19 PRIVATE UTILITIES	209	209	209	209	209	209	209	209	209	100	100	100	100	100
20 TOTAL	416	416	416	416	416	416	416	416	416	200	200	200	200	200

TABLE A-13

COLUMBIA STORAGE POWER EXCHANGE (CSPE) PURCHASE
EXPIRING APRIL 1, 20031993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 CLARK PUBLIC UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EUGENE WATER & ELEC BOARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GRANT COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 GRAYS HARBOR COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 OTHER PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PORTLAND GENERAL ELECTRIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 PACIFIC POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 PUGET SOUND POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 SEATTLE CITY LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 SNOHOMISH COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 TACOMA PUBLIC UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 WASHINGTON WATER POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL CSPE PURCHASE														
18 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-14

SUPPLEMENTAL AND ENTITLEMENT CAPACITY
EXPIRING APRIL 1, 2003

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	14	14	14	14	14	14	14	14	14	12	12	12	12	12
2 COLOCKUM TRANSMISSION CO.	20	20	20	20	20	20	20	20	20	18	18	18	18	18
3 COWLITZ COUNTY PUD #1	4	4	4	4	4	4	4	4	4	4	4	4	4	4
4 DOUGLAS COUNTY PUD #1	18	18	18	18	18	18	18	18	18	16	16	16	16	16
5 EUGENE WATER & ELEC BOARD	4	4	4	4	4	4	4	4	4	4	4	4	4	4
6 GRANT COUNTY PUD #2	60	60	60	60	60	60	60	60	60	50	50	50	50	50
7 OTHER PUBLIC AGENCIES	6	6	6	6	6	6	6	6	6	4	4	4	4	4
8 PORTLAND GENERAL ELECTRIC	54	54	54	54	54	54	54	54	54	44	44	44	44	44
9 PACIFIC POWER & LIGHT	38	38	38	38	38	38	38	38	38	32	32	32	32	32
10 PUGET SOUND POWER & LIGHT	78	78	78	78	78	78	78	78	78	66	66	66	66	66
11 SEATTLE CITY LIGHT	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12 TACOMA PUBLIC UTILITIES	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13 WASHINGTON WATER POWER	16	16	16	16	16	16	16	16	16	14	14	14	14	14
14 TOTAL SUPP & ENT CAPACITY	324	324	324	324	324	324	324	324	324	276	276	276	276	276
TOTAL SUPPLEMENT & ENTITLEMENT CAPACITY														
15 PUBLIC AGENCIES	138	138	138	138	138	138	138	138	138	120	120	120	120	120
16 PRIVATE UTILITIES	186	186	186	186	186	186	186	186	186	156	156	156	156	156
17 TOTAL SUPP & ENT CAPACITY	324	324	324	324	324	324	324	324	324	276	276	276	276	276

TABLE A-14

SUPPLEMENTAL AND ENTITLEMENT CAPACITY
EXPIRING APRIL 1, 2003
1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	8	8	8	8	8	8	8	8	8	4	4	4	4	4
2 COLOCKUM TRANSMISSION CO.	12	12	12	12	12	12	12	12	12	6	6	6	6	6
3 COMLITZ COUNTY PUD #1	4	4	4	4	4	4	4	4	4	0	0	0	0	0
4 DOUGLAS COUNTY PUD #1	10	10	10	10	10	10	10	10	10	0	0	0	0	0
5 EUGENE WATER & ELEC BOARD	2	2	2	2	2	2	2	2	2	0	0	0	0	0
6 GRANT COUNTY PUD #2	36	36	36	36	36	36	36	36	36	18	18	18	18	18
7 OTHER PUBLIC AGENCIES	4	4	4	4	4	4	4	4	4	2	2	2	2	2
8 PORTLAND GENERAL ELECTRIC	30	30	30	30	30	30	30	30	30	16	16	16	16	16
9 PACIFIC POWER & LIGHT	20	20	20	20	20	20	20	20	20	12	12	12	12	12
10 PUGET SOUND POWER & LIGHT	48	48	48	48	48	48	48	48	48	22	22	22	22	22
11 SEATTLE CITY LIGHT	4	4	4	4	4	4	4	4	4	2	2	2	2	2
12 TACOMA PUBLIC UTILITIES	4	4	4	4	4	4	4	4	4	2	2	2	2	2
13 WASHINGTON WATER POWER	10	10	10	10	10	10	10	10	10	4	4	4	4	4
14 TOTAL SUPP & ENT CAPACITY	192	192	192	192	192	192	192	192	192	92	92	92	92	92
TOTAL SUPPLEMENT & ENTITLEMENT CAPACITY														
15 PUBLIC AGENCIES	84	84	84	84	84	84	84	84	84	38	38	38	38	38
16 PRIVATE UTILITIES	108	108	108	108	108	108	108	108	108	54	54	54	54	54
17 TOTAL SUPP & ENT CAPACITY	192	192	192	192	192	192	192	192	192	92	92	92	92	92

TABLE A-14

SUPPLEMENTAL AND ENTITLEMENT CAPACITY
EXPIRING APRIL 1, 20031993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 COLOCKUM TRANSMISSION CO.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 EUGENE WATER & ELEC BOARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GRANT COUNTY PUD #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 OTHER PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 PORTLAND GENERAL ELECTRIC	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PACIFIC POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PUGET SOUND POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 SEATTLE CITY LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 TACOMA PUBLIC UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 WASHINGTON WATER POWER	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 TOTAL SUPP & ENT CAPACITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL SUPPLEMENT & ENTITLEMENT CAPACITY														
15 PUBLIC AGENCIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL SUPP & ENT CAPACITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-15

CANADIAN ENTITLEMENT RETURN FOR CANADA
BEGINNING APRIL 1, 19981993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15 16-31	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15 16-30	APR 16-30	MAY	JUN	JUL

BPA CANADIAN ENTITLEMENT

1 BPA CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
----------------------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---

PRIEST RAPIDS CANADIAN ENTITLEMENT

2 PP&L CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 PGE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 PSP&L CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 SEATTL CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 TACOMA CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 WWP CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GRANT CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 EUGENE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 COWLIZ CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 F GROV CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 MCMINN CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 M FREE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 KITTS CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PRIEST CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

WANAPUM CANADIAN ENTITLEMENT

16 PP&L CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 PGE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PSP&L CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 WWP CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 GRANT CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 EUGENE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 COWLIZ CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 F GROV CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 MCMINN CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 M FREE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 WANAPUM CANADIAN ENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

ROCK ISLAND CANDIAN ENTITLEMENT

27 CHELAN CER FOR ROCK ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 PSP&L CER FOR ROCK ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 ROCK I CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-15 (CONTINUED)

SHEET 2 OF 2

CANADIAN ENTITLEMENT RETURN FOR CANADA
BEGINNING APRIL 1, 19981993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
ROCKY REACH CANADIAN ENTITLEMENT														
30 PP&L CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 PGE CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 PSP&L CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 WWP CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 DOUGLS CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 CHELAN CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 COLOCK CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 ROCKY REACH CANADIAN ENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WELLS CANADIAN ENTITLEMENT														
38 PP&L CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 PGE CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PSP&L CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 WWP CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 DOUGLS CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 OKANOG CER FOR WELLS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 WELLS CANADIAN ENTITLEMENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 TOTAL CANADIAN ENT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL CANADIAN ENTITLEMENT														
46 FEDERAL SYSTEM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 PUBLIC AGENCIES W/COLOCKUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 PRIVATE UTILITIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-15

CANADIAN ENTITLEMENT RETURN FOR CANADA

BEGINNING APRIL 1, 1998

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15 16-31	AUG 94	SEP 94	OCT 94	NOV 94	DEC 94	JAN 94	FEB 94	MAR 94	APR 1-15 16-30	APR 575	MAY 575	JUN 575	JUL 575
BPA CANADIAN ENTITLEMENT	94	94	94	94	94	94	94	94	94	575	575	575	575	575

BPA CANADIAN ENTITLEMENT

1	BPA CANADIAN ENTITLEMENT	94	94	94	94	94	94	94	94	94	575	575	575	575
PRIEST RAPIDS CANADIAN ENTITLEMENT														
2	PP&L CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	6	6	6	6
3	PGE CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	6	6	6	6
4	PSP&L CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	3	3	3	3
5	SEATL CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	4	4	4	4
6	TACOMA CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	4	4	4	4
7	WMP CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	3	3	3	3
8	GRANT CER FOR PRIEST R.	3	3	3	3	3	3	3	3	3	16	16	16	16
9	EUGENE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	1	1	1	1
10	COWLIZ CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	1	1	1	1
11	F GROV CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0
12	MCMINN CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0
13	M FREE CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0
14	KITTS CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0
15	PRIEST CANADIAN ENTITLEMENT	7	7	7	7	7	7	7	7	44	44	44	44	44

WANAPUM CANADIAN ENTITLEMENT

16	PP&L CER FOR WANAPUM	2	2	2	2	2	2	2	2	2	10	10	10	10
17	PGE CER FOR WANAPUM	2	2	2	2	2	2	2	2	2	10	10	10	10
18	PSP&L CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	6	6	6	6
19	WMP CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	4	4	4	4
20	GRANT CER FOR WANAPUM	3	3	3	3	3	3	3	3	3	19	19	19	19
21	EUGENE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	1	1	1	1
22	COWLIZ CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	2	2	2	2
23	F GROV CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0
24	MCMINN CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	0	0	0	0
25	M FREE CER FOR WANAPUM	0	0	0	0	0	0	0	0	0	1	1	1	1
26	WANAPUM CANADIAN ENT	9	9	9	9	9	9	9	9	53	53	53	53	53

ROCK ISLAND CANADIAN ENTITLEMENT

27	CHELAN CER FOR ROCK ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0
28	PSP&L CER FOR ROCK ISLAND	1	1	1	1	1	1	1	1	1	4	4	4	4
29	ROCK I CANADIAN ENTITLEMENT	1	1	1	1	1	1	1	1	4	4	4	4	4

TABLE A-15 (CONTINUED)

SHEET 2 OF 2

CANADIAN ENTITLEMENT RETURN FOR CANADA
BEGINNING APRIL 1, 1998

1998-99 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL

ROCKY REACH CANDIAN ENTITLEMENT

30 PP&L	CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	1	3	3
31 PGE	CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	1	6	6
32 PSP&L	CER FOR ROCKY REACH	4	4	4	4	4	4	4	4	4	21	21	21
33 WMP	CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	2	2	2
34 DOUGLS	CER FOR ROCKY REACH	0	0	0	0	0	0	0	0	0	1	1	1
35 CHELAN	CER FOR ROCKY REACH	1	1	1	1	1	1	1	1	1	8	8	8
36 COLOCK	CER FOR ROCKY REACH	2	2	2	2	2	2	2	2	2	12	12	12
37 ROCKY REACH CANADIAN ENT		9	9	9	9	9	9	9	9	9	53	53	53

WELLS CANADIAN ENTITLEMENT

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38 PP&L	CER FOR WELLS	1	1	1	1	1	1	1	1	1	1	3	3
39 PGE	CER FOR WELLS	1	1	1	1	1	1	1	1	1	1	9	9
40 PSP&L	CER FOR WELLS	2	2	2	2	2	2	2	2	2	13	13	13
41 WMP	CER FOR WELLS	0	0	0	0	0	0	0	0	0	2	2	2
42 DOUGLS	CER FOR WELLS	1	1	1	1	1	1	1	1	1	9	9	9
43 OKANOG	CER FOR WELLS	1	1	1	1	1	1	1	1	1	3	3	3
44 WELLS CANADIAN ENTITLEMENT		6	6	6	6	6	6	6	6	6	39	39	39

45 TOTAL CANADIAN ENT

126	126	126	126	126	126	126	126	126	126	126	768	768	768
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TOTAL CANADIAN ENTITLEMENT

46 FEDERAL SYSTEM	94	94	94	94	94	94	94	94	94	94	575	575	575
47 PUBLIC AGENCIES W/COLOCKUM	12	12	12	12	12	12	12	12	12	12	82	82	82
48 PRIVATE UTILITIES	20	20	20	20	20	20	20	20	20	20	111	111	111
49 TOTAL	126	126	126	126	126	126	126	126	126	126	768	768	768

TABLE A-15

CANADIAN ENTITLEMENT RETURN FOR CANADA

BEGINNING APRIL 1, 1998

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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BPA CANADIAN ENTITLEMENT

1 BPA CANADIAN ENTITLEMENT	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048
PRIEST RAPIDS CANADIAN ENTITLEMENT														
2 PP&L CER FOR PRIEST R.	11	11	11	11	11	11	11	11	11	11	11	11	11	11
3 PGE CER FOR PRIEST R.	11	11	11	11	11	11	11	11	11	11	11	11	11	11
4 PSP&L CER FOR PRIEST R.	6	6	6	6	6	6	6	6	6	6	6	6	6	6
5 SEATTL CER FOR PRIEST R.	6	6	6	6	6	6	6	6	6	6	6	6	6	6
6 TACOMA CER FOR PRIEST R.	5	5	5	5	5	5	5	5	5	5	5	5	5	5
7 WMP CER FOR PRIEST R.	29	29	29	29	29	29	29	29	29	29	29	29	29	29
8 GRANT CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 EUGENE CER FOR PRIEST R.	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10 COWLIZ CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11 F GROV CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12 MCMINN CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13 M FREE CER FOR PRIEST R.	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14 KITTS CER FOR PRIEST R.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PRIEST CANADIAN ENTITLEMENT	80	80	80	80	80	80	80	80	80	80	80	80	80	80

WANAPUM CANADIAN ENTITLEMENT

16 WANAPUM CANADIAN ENTITLEMENT	18	18	18	18	18	18	18	18	18	18	18	18	18	18
16 PP&L CER FOR WANAPUM	18	18	18	18	18	18	18	18	18	18	18	18	18	18
17 PGE CER FOR WANAPUM	10	10	10	10	10	10	10	10	10	10	10	10	10	10
18 PSP&L CER FOR WANAPUM	8	8	8	8	8	8	8	8	8	8	8	8	8	8
19 WMP CER FOR WANAPUM	35	35	35	35	35	35	35	35	35	35	35	35	35	35
20 GRANT CER FOR WANAPUM	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21 EUGENE CER FOR WANAPUM	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22 COWLIZ CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23 F GROV CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24 MCMINN CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25 M FREE CER FOR WANAPUM	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26 WANAPUM CANADIAN ENT	96	96	96	96	96	96	96	96	96	96	96	96	96	96

ROCK ISLAND CANADIAN ENTITLEMENT

27 ROCK I CANADIAN ENTITLEMENT	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27 CHELAN CER FOR ROCK ISLAND	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 PSP&L CER FOR ROCK ISLAND	7	7	7	7	7	7	7	7	7	7	7	7	7	7
29 ROCK I CANADIAN ENTITLEMENT	8	8	8	8	8	8	8	8	8	8	8	8	8	8

TABLE A-15 (CONTINUED)

SHEET 2 OF 2

CANADIAN ENTITLEMENT RETURN FOR CANADA
BEGINNING APRIL 1, 19981993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
ROCKY REACH CANDIAN ENTITLEMENT														
30 PP&L CER FOR ROCKY REACH	5	5	5	5	5	5	5	5	5	5	5	5	5	5
31 PGE CER FOR ROCKY REACH	12	12	12	12	12	12	12	12	12	12	12	12	12	12
32 PSP&L CER FOR ROCKY REACH	38	38	38	38	38	38	38	38	38	38	38	38	38	38
33 WWP CER FOR ROCKY REACH	3	3	3	3	3	3	3	3	3	3	3	3	3	3
34 DOUGLS CER FOR ROCKY REACH	3	3	3	3	3	3	3	3	3	3	3	3	3	3
35 CHELAN CER FOR ROCKY REACH	15	15	15	15	15	15	15	15	15	15	15	15	15	15
36 COLOCK CER FOR ROCKY REACH	22	22	22	22	22	22	22	22	22	22	22	22	22	22
37 ROCKY REACH CANADIAN ENT	98	98	98	98	98	98	98	98	98	98	98	98	98	98
WELLS CANADIAN ENTITLEMENT														
38 PP&L CER FOR WELLS	5	5	5	5	5	5	5	5	5	5	5	5	5	5
39 PGE CER FOR WELLS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
40 PSP&L CER FOR WELLS	24	24	24	24	24	24	24	24	24	24	24	24	24	24
41 WWP CER FOR WELLS	3	3	3	3	3	3	3	3	3	3	3	3	3	3
42 DOUGLS CER FOR WELLS	16	16	16	16	16	16	16	16	16	16	16	16	16	16
43 OKANOG CER FOR WELLS	6	6	6	6	6	6	6	6	6	6	6	6	6	6
44 WELLS CANADIAN ENTITLEMENT	70	70	70	70	70	70	70	70	70	70	70	70	70	70
45 TOTAL CANADIAN ENT	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400
TOTAL CANADIAN ENTITLEMENT														
46 FEDERAL SYSTEM	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048	1048
47 PUBLIC AGENCIES W/COLOCKUM	152	152	152	152	152	152	152	152	152	152	152	152	152	152
48 PRIVATE UTILITIES	200	200	200	200	200	200	200	200	200	200	200	200	200	200
49 TOTAL	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400	1400

TABLE A-16

SHEET 1 OF 2

CONTRACTS BETWEEN UTILITIES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 BPA TO CLARK, PKWD LAKE	34	34	34	34	34	34	34	34	34	34	34	34	34	33
2 BPA TO MPC, WNP1 OBLIG	77	77	77	77	77	77	77	77	77	77	77	77	77	77
3 BPA TO MPC, CAP/NRG XCHG	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 BPA TO OTHER, PKWD LAKE	20	20	20	20	20	20	20	20	20	20	20	20	20	20
5 BPA TO PP&L, CAPC-SLE, BRIDGE	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
6 BPA TO PP&L, SOUTHERN IDAHO	13	13	42	108	161	215	189	145	117	90	90	0	18	34
7 BPA TO PP&L, WNP1 OBLIG	80	80	80	80	80	80	80	80	80	80	80	80	80	80
8 BPA TO PP&L, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 BPA TO PGE, WNP1 OBLIG	80	80	80	80	80	80	80	80	80	80	80	80	80	80
10 BPA TO PGE, WNP3 SETTLE	0	0	0	0	164	164	164	164	82	82	82	0	0	0
11 BPA TO PSP&L, BAKER HD LOSS	0	0	0	0	7	7	7	7	0	0	0	0	0	0
12 BPA TO PSP&L, PS & PWR XCHG	0	0	0	300	300	300	300	300	300	0	0	0	0	0
13 BPA TO PSP&L, WNP1 OBLIG	80	80	80	80	80	80	80	80	80	80	80	80	80	80
14 BPA TO PSP&L, WNP3 SETTLE	0	0	0	82	82	82	82	82	41	41	41	0	0	0
15 BPA TO WMP, SRPLS CAPAC SLE	50	50	50	50	50	50	50	50	50	50	50	50	50	50
16 BPA TO WMP, WNP1 OBLIG	80	80	80	80	80	80	80	80	80	80	80	80	80	80
17 BPA TO WMP, WNP3 SETTLE	0	0	0	82	82	82	82	82	41	41	41	0	0	0
18 CHELAN TO DOUG, CAP/NRG XCH	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19 CHELAN TO PGE, C/N TRANS/XCH	50	50	50	50	50	50	50	50	0	0	0	0	50	50
20 COLOCKUM TO PP&L, CAP/NRG X	103	103	103	103	103	103	103	103	103	103	103	103	103	103
21 COLOCKUM TO CHELAN, PK SALE	6	6	6	6	6	6	6	6	6	6	6	6	6	6
22 DOUGLAS TO CHEL, CAP/NR XCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 GRANT TO PP&L, PWR SALE	14	14	14	14	14	14	14	14	14	14	14	14	14	14
24 IDAHO TO OR TRAIL, RPLC SLE	10	10	10	10	10	10	10	10	10	10	10	10	10	10
25 IDAHO TO SCL, ENERGY XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 IDAHO TO MPC, SEAS PWR XCHG	0	0	0	25	78	78	78	78	78	26	26	26	26	26
27 IDAHO TO MPC, PWR SALE	26	26	26	78	78	78	78	78	78	0	0	0	0	0
28 MPC TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPC TO BPA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 MPC TO ID, SEAS PWR XCHG	75	75	0	0	0	0	0	0	0	0	0	0	0	75
31 MPC TO PP&L, PWR SALE	10	10	10	10	10	10	10	10	10	10	10	10	10	10
32 MPC TO PP&L, PWR SALE	94	94	94	94	94	94	94	94	94	0	0	94	94	94
33 MPC TO WMP, PWR SALE	0	0	25	25	25	2	2	2	1	1	1	1	1	1
34 OTHER TO PSP&L, SP PURCHASE	1	1	1	1	1	4	4	4	4	4	4	4	4	4
35 NO MASCO TO PSP&L, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 PP&L TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PP&L TO COLOCKUM, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PP&L TO PSP&L, PWR SALE 2	200	200	200	200	200	200	200	200	200	200	200	200	200	200
39 PP&L TO SCL, PWR SALE	20	20	20	20	20	20	20	20	20	20	20	20	20	20
40 PGE TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE TO CHELAN, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE TO PP&L, COVE REPLACE	3	3	3	3	3	3	3	3	3	3	3	3	3	3
43 PSP&L TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PSP&L TO BPA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 PSP&L TO BPA, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL TO PEND 0, PWR SALE	28	28	28	28	28	28	28	28	28	28	28	28	28	28
47 SCL TO IDAHO, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 SCL TO TACOMA, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 SNOH TO PSP&L, SP PURCHASE	5	5	5	6	7	10	10	8	7	7	7	6	5	5

TABLE A-16 (CONTINUED)

SHEET 2 OF 2

CONTRACTS BETWEEN UTILITIES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
50 TCL TO SEATTLE, SEAS PWR XCH	50	50	0	0	0	0	0	0	0	0	0	0	0	0
51 WWP TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 WWP TO PP&L, PWR SALE	150	150	150	150	150	150	150	150	150	150	150	150	150	150
53 WWP TO PP&L, SANDPOINT PWR	4	4	4	4	5	5	5	5	4	4	4	4	4	4
54 WWP TO PEND OREILLE, SALE	13	13	13	13	13	13	13	13	13	13	13	13	13	13
55 WWP TO PGE, CAPACITY SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 WWP TO PSP&L, PWR SALE 2	100	100	100	100	100	100	100	100	100	100	100	100	100	100
57 TOTAL CONTRACTS	2682	2682	2611	3080	3396	3453	3427	3356	3130	2656	2656	2495	2562	2642
TOTAL CONTRACTS OUT														
58 FEDERAL CONTRACTS OUT	1714	1714	1743	2109	2497	2551	2525	2481	2282	1955	1955	1701	1719	1734
59 PUBLIC CONTRACTS OUT W/CLOK	283	283	233	284	185	189	189	187	185	185	185	184	233	233
60 PRIVATE CONTRACTS OUT	685	685	635	687	714	713	713	688	663	516	516	610	610	675
61 TOTAL CONTRACTS OUT	2682	2682	2611	3080	3396	3453	3427	3356	3130	2656	2656	2495	2562	2642
TOTAL CONTRACTS IN														
62 FEDERAL CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 PUBLIC CONTRACTS IN W/CLOK	183	183	133	183	134	133	133	133	134	133	133	133	133	122
64 PRIVATE CONTRACTS IN	2499	2499	2478	2897	3262	3320	3294	3223	2996	2523	2523	2362	2429	2520
65 TOTAL CONTRACTS IN	2682	2682	2611	3080	3396	3453	3427	3356	3130	2656	2656	2495	2562	2642

NOTE: BPA TO PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.

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TABLE A-16

SHEET 1 OF 2

CONTRACTS BETWEEN UTILITIES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 BPA TO CLARK, PKWD LAKE	34	34	34	34	34	34	33	34	34	34	34	34	34	33
2 BPA TO MPC, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA TO MPC, CAP/NRG XCHG	100	100	100	100	100	100	100	100	100	100	100	100	100	100
4 BPA TO OTHER, PKWD LAKE	20	20	20	20	20	20	20	20	20	20	20	20	20	20
5 BPA TO PP&L, CAPC SLE, BRIDGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA TO PP&L, SOUTHERN IDAHO	13	13	42	108	161	215	189	145	117	89	89	0	18	34
7 BPA TO PP&L, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA TO PP&L, WNP3 SETTLE	0	0	0	0	164	164	164	164	82	82	82	0	0	0
9 BPA TO PGE, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA TO PGE, WNP3 SETTLE	0	0	0	0	164	164	164	164	82	82	82	0	0	0
11 BPA TO PSP&L, BAKER HD LOSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA TO PSP&L, PS & PWR XCHG	0	0	0	0	164	164	164	164	82	82	82	0	0	0
13 BPA TO PSP&L, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 BPA TO PSP&L, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 BPA TO WWP, SRPLS CAPAC SLE	50	50	50	50	82	82	82	82	41	41	41	0	0	0
16 BPA TO WWP, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 BPA TO WWP, WNP3 SETTLE	0	0	0	0	82	82	82	82	41	41	41	0	0	0
18 CHELAN TO DOUG, CAP/NRG XCH	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19 CHELAN TO PGE, C/N TRANS/XCH	50	50	50	50	50	50	50	50	50	50	50	50	50	50
20 COLOCKUM TO PP&L, CAP/NRG X	103	103	103	103	103	103	103	103	103	103	103	103	103	103
21 COLOCKUM TO CHELAN, PK SALE	6	6	6	6	6	6	6	6	6	6	6	6	6	6
22 DOUGLAS TO CHEL, CAP/NR XCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 GRANT TO PP&L, PWR SALE	14	14	14	14	14	14	14	14	14	14	14	14	14	14
24 IDAHO TO OR TRAIL, RPLC SLE	10	10	10	10	11	10	6	6	6	6	6	6	6	6
25 IDAHO TO SCL, ENERGY XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 IDAHO TO MPC, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 IDAHO TO MPC, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 IDAHO TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPC TO BPA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 MPC TO ID, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 MPC TO PP&L, PWR SALE	94	94	94	94	94	94	94	94	94	94	94	94	94	94
32 MPC TO PSP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 MPC TO WWP, PWR SALE	1	1	1	1	1	2	2	2	2	1	1	1	1	1
34 OTHER TO PSP&L, SP PURCHASE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
35 NO WASCO TO PSP&L, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 PP&L TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PP&L TO COLOCKUM, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PP&L TO PSP&L, PWR SALE 2	200	200	200	200	200	200	200	200	200	200	200	200	200	200
39 PEND 0 TO SCL, PWR SALE	16	16	16	16	16	16	16	16	16	16	16	16	16	16
40 PGE TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE TO CHELAN, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE TO PP&L, COVE REPLACE	3	3	3	3	3	3	3	3	3	3	3	3	3	3
43 PSP&L TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PSP&L TO BPA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 PSP&L TO BPA, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 SCL TO PEND 0, PWR SALE	32	32	32	32	32	32	32	32	32	32	32	32	32	32
47 SCL TO IDAHO, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 SCL TO TACOMA, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 SNOH TO PSP&L, SP PURCHASE	5	5	5	6	7	10	10	8	7	7	7	6	5	5

TABLE A-16 (CONTINUED)

SHEET 2 OF 2

CONTRACTS BETWEEN UTILITIES

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
50 TCL TO SEATTLE, SEAS PWR XCH	50	50	0	0	0	0	0	0	0	0	0	0	0	0
51 WWP TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 WWP TO PP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 WWP TO PP&L, SANDPOINT PWR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 WWP TO PEND OREILLE, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 WWP TO PGE, CAPACITY SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 WWP TO PSP&L, PWR SALE 2	100	100	100	100	100	100	100	100	100	100	100	100	100	100
57 TOTAL CONTRACTS	907	907	886	1303	1757	1814	1783	1738	1456	1033	1033	791	858	873
TOTAL CONTRACTS OUT														
58 FEDERAL CONTRACTS OUT	217	217	246	612	1164	1218	1191	1148	867	539	539	204	222	237
59 PUBLIC CONTRACTS OUT W/CLOK	283	283	233	284	185	189	189	187	186	185	185	184	233	233
60 PRIVATE CONTRACTS OUT	407	407	407	407	408	407	403	403	403	309	309	403	403	403
61 TOTAL CONTRACTS OUT	907	907	886	1303	1757	1814	1783	1738	1456	1033	1033	791	858	873
TOTAL CONTRACTS IN														
62 FEDERAL CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 PUBLIC CONTRACTS IN W/CLOK	170	170	120	170	121	120	115	116	116	116	116	116	116	115
64 PRIVATE CONTRACTS IN	737	737	766	1133	1636	1694	1668	1622	1340	917	917	675	742	758
65 TOTAL CONTRACTS IN	907	907	886	1303	1757	1814	1783	1738	1456	1033	1033	791	858	873

NOTE: BPA TO PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.

TABLE A-16

SHEET 1 OF 2

CONTRACTS BETWEEN UTILITIES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 BPA TO CLARK, PKWD LAKE	34	34	34	34	33	34	33	34	34	34	34	34	34	34
2 BPA TO MPC, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA TO MPC, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA TO OTHER, PKWD LAKE	20	20	20	20	20	20	20	20	20	20	20	20	20	20
5 BPA TO PP&L, CAPC SLE, BRIDGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 BPA TO PP&L, SOUTHERN IDAHO	13	13	42	108	161	215	189	145	117	89	89	0	18	34
7 BPA TO PP&L, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 BPA TO PP&L, WNP3 SETTLE	0	0	0	0	164	164	164	164	82	82	82	0	0	0
9 BPA TO PGE, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 BPA TO PGE, WNP3 SETTLE	0	0	0	0	164	164	164	164	82	82	82	0	0	0
11 BPA TO PSP&L, BAKER HD LOSS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 BPA TO PSP&L, PS & PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 BPA TO PSP&L, WNP1 OBLIG	0	0	0	0	300	300	300	300	0	0	0	0	0	0
14 BPA TO PSP&L, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 BPA TO WMP, SRPLS CAPAC SLE	50	50	50	50	82	82	82	82	41	41	41	50	50	50
16 BPA TO WMP, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 BPA TO WMP, WNP3 SETTLE	0	0	0	0	82	82	82	82	41	41	41	0	0	0
18 CHELAN TO DOUG, CAP/NRG XCH	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19 CHELAN TO PGE, C/N TRANS/XCH	50	50	50	50	0	0	0	0	0	0	0	0	0	0
20 COLOCKUM TO PP&L, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 COLOCKUM TO CHELAN, PK SALE	6	6	6	6	6	6	6	6	6	6	6	6	6	6
22 DOUGLAS TO CHEL, CAP/NR XCH	14	14	14	14	14	14	14	14	14	14	14	14	14	14
23 GRANT TO PP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 IDAHO TO OR TRAIL, RPLC SLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 IDAHO TO SCL, ENERGY XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 IDAHO TO MPC, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 IDAHO TO MPC, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 MPC TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 MPC TO BPA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 MPC TO ID, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 MPC TO PP&L, PWR SALE	94	94	94	94	94	94	94	94	94	94	94	94	94	94
32 MPC TO PSP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 MPC TO WMP, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 OTHER TO PSP&L, SP PURCHASE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
35 NO WASCO TO PSP&L, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 PP&L TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 PP&L TO COLOCKUM, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 PP&L TO PSP&L, PWR SALE 2	200	12	12	12	12	12	12	12	12	12	12	12	12	12
39 PEND 0 TO SCL, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 PGE TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 PGE TO CHELAN, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 PGE TO PP&L, COVE REPLACE	3	3	3	3	3	3	3	3	3	3	3	3	3	3
43 PSP&L TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PSP&L TO BPA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 PSP&L TO BPA, SEAS PWR XCHG	300	36	36	36	36	36	36	36	36	36	36	36	36	36
46 SCL TO PEND 0, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 SCL TO IDAHO, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 SCL TO TACOMA, SEAS PWR XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 SNOH TO PSP&L, SP PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-16 (CONTINUED)

SHEET 2 OF 2

CONTRACTS BETWEEN UTILITIES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
50 TCL TO SEATTLE, SEAS PWR XCH	50	50	0	0	0	0	0	0	0	0	0	0	0	0
51 WWP TO BPA, WNP3 SETTLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 WWP TO PP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 WWP TO PP&L, SANDPOINT PWR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 WWP TO PEND OREILLE, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 WWP TO PGE, CAPACITY SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 WWP TO PSP&L, PWR SALE 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 TOTAL CONTRACTS	888	888	867	983	1227	1282	1255	1212	638	516	516	275	343	659
TOTAL CONTRACTS OUT														
58 FEDERAL CONTRACTS OUT	117	117	146	212	1056	1111	1084	1041	467	439	439	104	122	138
59 PUBLIC CONTRACTS OUT W/CLOK	174	174	124	174	74	74	74	74	74	74	74	74	124	124
60 PRIVATE CONTRACTS OUT	597	597	597	597	97	97	97	97	97	3	3	97	97	397
61 TOTAL CONTRACTS OUT	888	888	867	983	1227	1282	1255	1212	638	516	516	275	343	659
TOTAL CONTRACTS IN														
62 FEDERAL CONTRACTS IN	300	300	300	300	0	0	0	0	0	0	0	0	0	300
63 PUBLIC CONTRACTS IN W/CLOK	160	160	110	160	109	110	109	110	110	110	110	110	110	110
64 PRIVATE CONTRACTS IN	428	428	457	523	1118	1172	1146	1102	528	406	406	165	233	249
65 TOTAL CONTRACTS IN	888	888	867	983	1227	1282	1255	1212	638	516	516	275	343	659

NOTE: BPA TO PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.

TABLE A-17

CAPACITY RESERVES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 HYDRO, SM THML, C-T, & MISC.	1725	1748	1757	1757	1803	1802	1784	1775	1704	1659	1667	1641	1705	1750
2 LARGE THERMAL	1021	1021	958	980	936	996	1001	1004	1011	891	569	666	1040	1022
3 AREA RESERVES	2746	2769	2715	2737	2739	2798	2785	2779	2715	2550	2236	2307	2745	2772

HYDRO, SMALL THERMAL, COMBUSTION TURBINES, & MISCELLANEOUS RESERVES

4 FEDERAL	1042	1060	1061	1064	1081	1076	1069	1065	1031	979	974	985	1017	1051
5 CHELAN COUNTY PUD #1	11	11	12	12	12	12	12	12	12	12	12	12	12	13
6 COLOCKUM TRANSMISSION CO.	15	15	15	15	15	15	15	15	15	15	15	15	15	15
7 COWLITZ COUNTY PUD #1	6	6	6	6	6	6	6	6	6	6	6	2	6	6
8 DOUGLAS COUNTY PUD #1	11	11	11	12	11	12	11	11	11	11	11	11	11	12
9 EUGENE WATER & ELEC BOARD	5	5	5	5	5	5	5	6	6	6	5	7	7	4
10 GRANT COUNTY PUD #2	34	34	34	33	33	33	33	33	33	34	33	34	34	34
11 PEND OREILLE COUNTY PUD #1	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12 SEATTLE CITY LIGHT	81	87	85	87	85	82	82	81	81	84	91	93	92	92
13 SNOHOMISH COUNTY PUD #1	5	5	5	5	5	5	5	5	5	5	5	5	5	5
14 TACOMA PUBLIC UTILITIES	43	46	47	46	43	41	34	34	36	39	40	46	44	42
15 SMALL & NON GEN PUBLICS	8	8	8	8	8	8	7	7	8	8	8	8	8	8
16 IDAHO POWER COMPANY	84	82	91	87	83	89	90	85	87	88	89	95	89	90
17 MONTANA POWER CO. REGIONAL	8	8	6	5	5	6	7	7	5	7	11	6	5	9
18 PACIFIC POWER & LIGHT	68	67	67	66	65	66	64	66	66	66	67	57	67	66
19 PORTLAND GENERAL ELECTRIC	94	94	94	95	96	97	97	97	97	96	96	95	95	94
20 PUGET SOUND POWER & LIGHT	129	129	129	129	168	167	166	165	126	125	126	93	121	129
21 WASHINGTON WATER POWER	77	76	77	78	78	78	77	76	75	74	74	73	73	76
22 TOTAL HYDRO & MISC. RES.	1725	1748	1757	1757	1803	1802	1784	1775	1704	1659	1667	1641	1705	1750

TOTAL HYDRO, SMALL THERMAL, COMBUSTION TURBINES, & MISCELLANEOUS RESERVES

23 FEDERAL SYSTEM	1042	1060	1061	1064	1081	1076	1069	1065	1031	979	974	985	1017	1051
24 PUBLIC AGENCIES W/COLOCKUM	223	232	232	233	227	223	214	214	217	224	230	237	238	235
25 PRIVATE UTILITIES	460	456	464	460	495	503	501	496	456	456	463	419	450	464
26 TOTAL HYDRO & MISC. RES.	1725	1748	1757	1757	1803	1802	1784	1775	1704	1659	1667	1641	1705	1750

TABLE A-17 (CONTINUED)

CAPACITY RESERVES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
LARGE THERMAL RESERVES														
27 FEDERAL	165	165	165	165	165	165	165	165	165	165	0	0	172	172
28 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 EUGENE WATER & ELEC BOARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 GRANT COUNTY PUD #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 SEATTLE CITY LIGHT	16	16	16	16	16	16	16	16	16	16	16	8	16	16
35 SNOHOMISH COUNTY PUD #1	16	16	16	16	16	16	16	16	16	16	16	8	16	16
36 TACOMA PUBLIC UTILITIES	16	16	16	16	15	16	16	16	16	16	16	8	16	16
37 SMALL & NON GEN PUBLICS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 IDAHO POWER COMPANY	148	148	148	148	122	148	148	147	148	96	96	114	148	148
39 MONTANA POWER CO. REGIONAL	52	52	47	45	44	45	47	48	45	43	15	43	46	51
40 PACIFIC POWER & LIGHT	325	325	267	291	275	307	310	313	322	279	258	303	343	320
41 PORTLAND GENERAL ELECTRIC	98	98	98	98	98	98	98	98	98	98	54	46	98	98
42 PUGET SOUND POWER & LIGHT	123	123	123	123	123	123	123	123	123	100	69	89	123	123
43 WASHINGTON WATER POWER	62	62	62	62	62	62	62	62	62	62	29	47	62	62
44 TOTAL LARGE THERMAL RES.	1021	1021	958	980	936	996	1001	1004	1011	891	569	666	1040	1022
LARGE THERMAL RESERVES														
45 FEDERAL SYSTEM	165	165	165	165	165	165	165	165	165	165	0	0	172	172
46 PUBLIC AGENCIES	48	48	48	48	47	48	48	48	48	48	48	24	48	48
47 PRIVATE UTILITIES	808	808	745	767	724	783	788	791	798	678	521	642	820	802
48 TOTAL THERMAL RESERVES	1021	1021	958	980	936	996	1001	1004	1011	891	569	666	1040	1022

TABLE A-17

SHEET 1 OF 2

CAPACITY RESERVES

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 HYDRO, SM THML, C-T, & MISC.	1768	1782	1790	1792	1839	1839	1814	1789	1710	1638	1678	1669	1749	1785
2 LARGE THERMAL	994	994	922	924	881	980	984	990	961	852	520	638	916	991
3 AREA RESERVES	2762	2776	2712	2716	2720	2819	2798	2779	2671	2490	2198	2307	2665	2776

HYDRO, SMALL THERMAL, COMBUSTION TURBINES, & MISCELLANEOUS RESERVES

4 FEDERAL	1052	1061	1062	1064	1081	1076	1061	1042	1000	953	979	997	1025	1053
5 CHELAN COUNTY PUD #1	13	13	13	13	13	13	13	13	13	13	13	11	12	13
6 COLOCKUM TRANSMISSION CO.	15	15	15	15	15	15	15	15	15	15	15	15	15	15
7 COWLITZ COUNTY PUD #1	6	6	6	6	6	6	6	6	6	6	6	2	6	6
8 DOUGLAS COUNTY PUD #1	11	11	11	11	11	11	11	11	11	11	11	11	12	11
9 EUGENE WATER & ELEC BOARD	5	5	5	5	5	5	5	6	6	6	5	7	7	4
10 GRANT COUNTY PUD #2	34	34	34	33	33	33	33	33	33	34	34	34	34	34
11 PEND OREILLE COUNTY PUD #1	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12 SEATTLE CITY LIGHT	82	87	85	87	85	82	82	81	81	84	92	93	92	92
13 SNOHOMISH COUNTY PUD #1	7	7	7	7	7	7	7	7	7	7	7	7	7	7
14 TACOMA PUBLIC UTILITIES	43	46	46	46	43	41	34	34	36	39	40	46	44	42
15 SMALL & NON GEN PUBLICS	8	8	8	8	8	8	8	8	9	9	9	8	8	9
16 IDAHO POWER COMPANY	87	85	93	90	86	93	93	89	91	92	92	98	92	93
17 MONTANA POWER CO. REGIONAL	9	9	9	9	10	12	13	12	10	10	15	10	8	10
18 PACIFIC POWER & LIGHT	68	67	68	67	66	67	65	67	67	67	68	58	69	67
19 PORTLAND GENERAL ELECTRIC	121	121	121	122	122	123	123	122	122	90	90	102	122	121
20 PUGET SOUND POWER & LIGHT	128	128	128	128	167	167	165	165	125	125	125	93	120	128
21 WASHINGTON WATER POWER	75	75	75	77	77	76	76	74	74	73	73	73	72	76
22 TOTAL HYDRO & MISC. RES.	1768	1782	1790	1792	1839	1839	1814	1789	1710	1638	1678	1669	1749	1785

TOTAL HYDRO, SMALL THERMAL, COMBUSTION TURBINES, & MISCELLANEOUS RESERVES

23 FEDERAL SYSTEM	1052	1061	1062	1064	1081	1076	1061	1042	1000	953	979	997	1025	1053
24 PUBLIC AGENCIES W/COLOCKUM	228	236	234	235	230	225	218	218	221	228	236	238	241	237
25 PRIVATE UTILITIES	488	485	494	493	528	538	535	529	489	457	463	434	483	495
26 TOTAL HYDRO & MISC. RES.	1768	1782	1790	1792	1839	1839	1814	1789	1710	1638	1678	1669	1749	1785

TABLE A-17

SHEET 1 OF 2

CAPACITY RESERVES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 HYDRO, SM THML, C-T, & MISC.	1769	1783	1791	1792	1839	1839	1814	1790	1711	1638	1679	1671	1750	1785
2 LARGE THERMAL	979	979	924	949	957	966	969	974	979	837	504	623	1000	976
3 AREA RESERVES	2748	2762	2715	2741	2796	2805	2783	2764	2690	2475	2183	2294	2750	2761

HYDRO, SMALL THERMAL, COMBUSTION TURBINES, & MISCELLANEOUS RESERVES

4 FEDERAL	1052	1061	1062	1064	1081	1076	1061	1042	1000	953	979	998	1025	1053
5 CHELAN COUNTY PUD #1	20	20	20	20	20	20	20	20	20	20	20	18	19	22
6 COLOCKUM TRANSMISSION CO.	15	15	15	15	15	15	15	15	15	15	15	15	15	15
7 COWLITZ COUNTY PUD #1	6	6	6	6	6	6	6	6	6	6	6	2	6	6
8 DOUGLAS COUNTY PUD #1	11	11	11	11	11	11	11	11	11	11	11	11	11	11
9 EUGENE WATER & ELEC BOARD	5	5	5	5	5	5	5	6	6	6	5	7	7	4
10 GRANT COUNTY PUD #2	34	34	34	33	33	33	33	33	33	34	34	34	34	34
11 PEND OREILLE COUNTY PUD #1	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12 SEATTLE CITY LIGHT	82	87	85	87	85	82	82	81	81	84	92	93	92	92
13 SNOHOMISH COUNTY PUD #1	7	7	7	7	7	7	7	7	7	7	7	7	7	7
14 TACOMA PUBLIC UTILITIES	43	46	47	46	43	41	34	34	36	39	40	46	44	42
15 SMALL & NON GEN PUBLICS	8	8	8	8	8	8	8	8	9	8	9	8	9	9
16 IDAHO POWER COMPANY	87	85	93	90	86	93	93	89	91	92	92	98	92	93
17 MONTANA POWER CO. REGIONAL	13	13	12	12	13	15	16	16	14	14	19	14	11	13
18 PACIFIC POWER & LIGHT	68	67	68	67	66	67	65	67	67	67	68	58	69	67
19 PORTLAND GENERAL ELECTRIC	121	121	121	122	122	123	123	122	122	90	90	102	122	121
20 PUGET SOUND POWER & LIGHT	121	121	121	121	160	160	158	158	118	118	118	85	113	119
21 WASHINGTON WATER POWER	72	72	72	74	74	73	73	71	71	70	70	71	70	73
22 TOTAL HYDRO & MISC. RES.	1769	1783	1791	1792	1839	1839	1814	1790	1711	1638	1679	1671	1750	1785

TOTAL HYDRO, SMALL THERMAL, COMBUSTION TURBINES, & MISCELLANEOUS RESERVES

23 FEDERAL SYSTEM	1052	1061	1062	1064	1081	1076	1061	1042	1000	953	979	998	1025	1053
24 PUBLIC AGENCIES W/COLOCKUM	235	243	242	242	237	232	225	225	228	234	243	245	248	246
25 PRIVATE UTILITIES	482	479	487	486	521	531	528	523	483	451	457	428	477	486
26 TOTAL HYDRO & MISC. RES.	1769	1783	1791	1792	1839	1839	1814	1790	1711	1638	1679	1671	1750	1785

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG	AUG
1-15	16-31

SEP

OCT

NOV

DEC

JAN

EB

MAR

PR 15 1

130

AY

—

1

	979	979	924	949	957	966	969	974	979	837	504	623	1000	976
27 FEDERAL	173	173	173	173	173	173	173	173	173	173	0	0	173	173
28 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 COMLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 EUGENE WATER & ELEC BOARD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 GRANT COUNTY PUD #2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 SEATTLE CITY LIGHT	16	16	16	16	16	16	16	16	16	16	16	8	16	16
35 SNOHOMISH COUNTY PUD #1	16	16	16	16	16	16	16	16	16	16	16	8	16	16
36 TACOMA PUBLIC UTILITIES	16	16	16	16	16	16	16	16	16	16	16	8	16	16
37 SMALL & NON GEN PUBLCIS	8	8	8	8	8	8	8	8	8	8	8	4	8	8
38 IDAHO POWER COMPANY	147	147	147	147	122	147	148	147	148	78	78	114	147	147
39 MONTANA POWER CO. REGIONAL	57	57	58	59	58	63	64	64	59	52	22	52	58	58
40 PACIFIC POWER & LIGHT	270	270	214	238	272	251	252	258	267	226	204	251	290	266
41 PORTLAND GENERAL ELECTRIC	98	98	98	98	98	98	98	98	98	98	54	46	98	98
42 PUGET SOUND POWER & LIGHT	116	116	116	116	116	116	116	116	116	92	61	85	116	116
43 WASHINGTON WATER POWER	62	62	62	62	62	62	62	62	62	62	29	47	62	62
44 TOTAL LARGE THERMAL RES.	979	979	924	949	957	966	969	974	979	837	504	623	1000	976

48	TOTAL THERMAL RESERVES	979	979	924	949	957	966	969	974	979	837	504	623	1000	976
47	PRIVATE UTILITIES	750	750	695	720	728	737	740	745	750	608	448	595	771	747
46	PUBLIC AGENCIES	56	56	56	56	56	56	56	56	56	56	56	28	56	56
45	FEDERAL SYSTEM	173	173	173	173	173	173	173	173	173	173	0	0	173	173
44	TOTAL THERMAL RESERVES	979	979	924	949	957	966	969	974	979	837	504	623	1000	976

TABLE A-18

WELLS AND CHELAN ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 WELLS	840	840	840	840	840	840	840	840	840	840	840	840	840	840
2 WELLS AFTER ENC.	840	840	840	840	840	840	840	840	840	840	840	840	840	840
3 PP&L SHARE	65	65	65	65	65	65	65	65	65	65	65	65	65	65
4 PGE SHARE	191	191	191	191	191	191	191	191	191	191	191	191	191	191
5 PSP&L SHARE	292	292	292	292	292	292	292	292	292	292	292	292	292	292
6 WMP SHARE	33	33	33	33	33	33	33	33	33	33	33	33	33	33
7 DOUGLS SHARE	192	192	192	192	192	192	192	192	192	192	192	192	192	192
8 OKANOG CO. PUD SHARE PUB	67	67	67	67	67	67	67	67	67	67	67	67	67	67
9 WELLS AFTER ENC. DGLS	840	840	840	840	840	840	840	840	840	840	840	840	840	840
10 CHELAN	54	54	54	53	53	52	51	50	50	50	51	13	33	54
11 CHELAN AFTER ENC.	58	58	58	57	57	56	55	54	54	54	55	17	37	58
12 TO CHELAN FR WMP, CONTRACT	23	23	25	30	32	32	32	32	32	32	32	28	25	0
13 CHELAN SH OF CHELAN PROJ	0	0	0	0	0	0	0	0	0	0	0	0	0	58
14 CHELAN SHARE (PROJ+CONT)	23	23	25	30	32	32	32	32	32	32	32	28	25	58
15 WMP SHARE	35	35	33	27	25	24	23	22	22	22	23	-11	12	0
16 CHELAN AFTER ENC. CHLN	58	58	58	57	57	56	55	54	54	54	55	17	37	58

TABLE A-18

WELLS AND CHELAN ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 WELLS	840	840	840	840	840	840	840	840	840	840	840	840	840	840
2 WELLS AFTER ENC.	840	840	840	840	840	840	840	840	840	840	840	840	840	840
3 PP&L SHARE	65	65	65	65	65	65	65	65	65	65	65	65	65	65
4 PGE SHARE	191	191	191	191	191	191	191	191	191	191	191	191	191	191
5 PSP&L SHARE	292	292	292	292	292	292	292	292	292	292	292	292	292	292
6 WWP SHARE	33	33	33	33	33	33	33	33	33	33	33	33	33	33
7 DOUGLS SHARE	192	192	192	192	192	192	192	192	192	192	192	192	192	192
8 OKANOG CO. PUD SHARE	67	67	67	67	67	67	67	67	67	67	67	67	67	67
9 WELLS AFTER ENC.	840	840	840	840	840	840	840	840	840	840	840	840	840	840
10 CHELAN AFTER ENC.	54	54	54	53	53	52	51	50	50	50	51	13	33	54
11 CHELAN FR WWP CONTRACT	58	58	58	57	57	56	55	54	54	54	55	17	37	58
12 TO CHELAN SH OF CHELAN PROJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 CHELAN SH OF CHELAN PROJ	58	58	58	57	57	56	55	54	54	54	55	17	37	58
14 CHELAN SHARE (PROJ+CONT)	58	58	58	57	57	56	55	54	54	54	55	17	37	58
15 WWP SHARE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 CHELAN AFTER ENC.	58	58	58	57	57	56	55	54	54	54	55	17	37	58

TABLE A-18

WELLS AND CHELAN ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 WELLS	840	840	840	840	840	840	840	840	840	840	840	840	840	840
2 WELLS AFTER ENC.	840	840	840	840	840	840	840	840	840	840	840	840	840	840
3 PP&L SHARE	65	65	65	65	65	65	65	65	65	65	65	65	65	65
4 PGE SHARE	191	191	191	191	191	191	191	191	191	191	191	191	191	191
5 PSP&L SHARE	292	292	292	292	292	292	292	292	292	292	292	292	292	292
6 WWP SHARE	33	33	33	33	33	33	33	33	33	33	33	33	33	33
7 DOUGLS SHARE	192	192	192	192	192	192	192	192	192	192	192	192	192	192
8 OKANOG CO. PUD SHARE PUB	67	67	67	67	67	67	67	67	67	67	67	67	67	67
9 WELLS AFTER ENC.	840	840	840	840	840	840	840	840	840	840	840	840	840	840
10 CHELAN AFTER ENC.	54	54	54	53	53	52	51	50	50	50	51	13	33	54
11 CHELAN FR WWP, CONTRACT	58	58	58	57	57	56	55	54	54	54	55	17	37	58
12 TO CHELAN SH OF CHELAN PROJ	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 CHELAN SH OF CHELAN PROJ	58	58	58	57	57	56	55	54	54	54	55	17	37	58
14 CHELAN SHARE (PROJ+CONT)	58	58	58	57	57	56	55	54	54	54	55	17	37	58
15 WWP SHARE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 CHELAN AFTER ENC.	58	58	58	57	57	56	55	54	54	54	55	17	37	58

TABLE A-19

ROCKY REACH AND ROCK ISLAND ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 ROCKY REACH	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267
2 ROCKY REACH AFTER ENC.	1300	1299	1298	1298	1300	1299	1301	1299	1299	1298	1298	1303	1297	1298
3 PP&L SHARE	69	69	69	69	69	69	69	69	69	69	69	69	69	69
4 PGE SHARE	156	156	156	156	156	156	156	156	156	156	156	156	156	156
5 PSP&L SHARE	506	505	505	505	505	505	506	505	505	505	505	507	504	505
6 WMP SHARE	37	38	38	38	38	38	38	38	38	38	38	38	38	38
7 DOUGLS SHARE	36	36	36	36	36	36	36	36	36	36	36	36	36	36
8 CHELAN SHARE	197	196	196	197	197	196	197	196	196	196	196	197	196	196
9 COLOCK SHARE	299	299	298	299	299	299	299	299	299	298	298	300	298	298
10 RKY REACH AFTER ENC. CHLN	1300	1299	1298	1298	1300	1299	1301	1299	1299	1298	1298	1303	1297	1298
11 ROCK ISLAND	544	544	544	544	544	544	544	544	544	544	544	544	544	544
12 ROCK ISLAND AFTER ENC. 182	597	599	600	600	597	598	596	599	598	599	599	595	601	599
13 1ST PWRHOUSE AFTER ENC.	241	251	256	256	243	245	235	251	247	254	252	228	256	253
14 CHELAN SHARE	10	11	11	11	10	11	10	11	11	11	11	10	11	11
15 PSP&L SHARE	231	240	245	245	232	235	225	240	237	243	241	218	245	242
16 RI 2ND POWERHOUSE	356	348	344	344	355	352	361	347	351	345	347	367	345	347
17 CHELAN SHARE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PSP&L SHARE	356	348	344	344	355	352	361	347	351	345	347	367	345	347
19 CHELAN TOTAL SHARE	10	11	11	11	10	11	10	11	11	11	11	10	11	11
20 PSP&L TOTAL SHARE	587	588	589	589	587	587	586	588	587	588	588	585	590	588
21 ROCK ISLAND CHLN	597	599	600	600	597	598	596	599	598	599	599	595	601	599

TABLE A-19

ROCKY REACH AND ROCK ISLAND ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 ROCKY REACH	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267
2 ROCKY REACH AFTER ENC.	1299	1298	1297	1297	1299	1299	1302	1299	1300	1298	1298	1303	1299	1298
3 PP&L SHARE	69	69	69	69	69	69	69	69	69	69	69	69	69	69
4 PGE SHARE	156	156	156	156	156	156	156	156	156	156	156	156	156	156
5 PSP&L SHARE	505	505	505	505	505	505	506	505	505	505	505	507	505	505
6 MWP SHARE	38	38	37	38	38	38	38	38	38	38	38	38	38	38
7 DOUGLS SHARE	36	36	36	36	36	36	36	36	36	36	36	36	36	36
8 CHELAN SHARE	196	196	196	196	196	196	197	196	197	196	196	197	196	196
9 COLOCK SHARE	299	298	298	298	299	299	300	299	299	298	298	300	299	298
10 RKY REACH AFTER ENC. CHLN	1299	1298	1297	1297	1299	1299	1302	1299	1300	1298	1298	1303	1299	1298
11 ROCK ISLAND	544	544	544	544	544	544	544	544	544	544	544	544	544	544
12 ROCK ISLAND AFTER ENC. 1&2	599	599	600	600	598	598	596	598	598	599	599	595	598	599
13 1ST PWRHOUSE AFTER ENC.	251	253	256	256	245	246	234	250	244	252	253	228	246	254
14 CHELAN SHARE	11	11	11	11	11	11	10	11	11	11	11	10	11	11
15 PSP&L SHARE	240	242	245	245	235	235	224	239	234	241	242	218	235	243
16 RI 2ND POWERHOUSE	348	346	344	344	353	352	361	349	353	347	346	367	352	346
17 CHELAN SHARE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 PSP&L SHARE	348	346	344	344	353	352	361	349	353	347	346	367	352	346
19 CHELAN TOTAL SHARE	11	11	11	11	11	11	10	11	11	11	11	10	10	11
20 PSP&L TOTAL SHARE	588	588	589	589	587	587	586	587	587	588	588	585	588	588
21 ROCK ISLAND CHLN	599	599	600	600	598	598	596	598	598	599	599	595	598	599

TABLE A-19

ROCKY REACH AND ROCK ISLAND ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 ROCKY REACH	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267	1267
2 ROCKY REACH AFTER ENC.	1299	1298	1297	1297	1299	1299	1302	1299	1300	1298	1298	1303	1299	1298
3 PP&L SHARE	69	69	69	69	69	69	69	69	69	69	69	69	69	69
4 PGE SHARE	156	156	156	156	156	156	156	156	156	156	156	156	156	156
5 PSP&L SHARE	505	505	505	505	505	505	506	505	505	505	505	507	505	505
6 WMP SHARE	38	38	37	37	38	38	38	38	38	38	38	38	38	38
7 DOUGLS SHARE	36	36	36	36	36	36	36	36	36	36	36	36	36	36
8 CHELAN SHARE	196	196	196	196	196	196	197	196	197	196	196	197	196	196
9 COLOCK SHARE	299	298	298	298	299	299	300	299	299	298	298	300	299	298
10 RKY REACH AFTER ENC. CHLN	1299	1298	1297	1297	1299	1299	1302	1299	1300	1298	1298	1303	1299	1298
11 ROCK ISLAND	544	544	544	544	544	544	544	544	544	544	544	544	544	544
12 ROCK ISLAND AFTER ENC. 1&2	599	599	600	600	598	598	596	598	598	599	599	595	598	599
13 1ST PWRHOUSE AFTER ENC.	251	253	256	256	245	246	234	250	244	252	253	228	246	254
14 CHELAN SHARE	11	11	11	11	11	11	10	11	11	11	11	10	11	11
15 PSP&L SHARE	240	242	245	245	235	235	224	239	234	241	242	218	235	243
16 RI 2ND POWERHOUSE	348	346	344	344	353	352	361	349	353	347	346	367	352	346
17 CHELAN SHARE	139	138	138	138	141	141	145	140	141	139	139	147	141	173
18 PSP&L SHARE	209	208	206	206	212	211	217	209	212	208	208	220	211	173
19 CHELAN TOTAL SHARE	150	149	149	149	152	151	155	150	152	150	149	157	151	184
20 PSP&L TOTAL SHARE	449	450	451	451	446	447	441	448	446	449	450	438	447	415
21 ROCK ISLAND CHLN	599	599	600	600	598	598	596	598	598	599	599	595	598	599

TABLE A-20

WANAPUM AND PRIEST RAPIDS ALLOCATION

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 WANAPUM	986	986	986	986	986	986	986	986	986	986	986	986	986	986
2 WANAPUM AFTER ENC.	910	910	910	910	910	910	910	910	910	910	910	910	910	910
3 PP&L SHARE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
4 PGE SHARE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
5 PSP&L SHARE	98	98	98	98	98	98	98	98	98	98	98	98	98	98
6 WWP SHARE	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 GRANT SHARE	332	332	332	332	332	332	332	332	332	332	332	332	332	332
8 EUGENE SHARE	21	21	21	21	21	21	21	21	21	21	21	21	21	21
9 COWLIZ SHARE	25	25	25	25	25	25	25	25	25	25	25	25	25	25
10 F GROV SHARE	6	6	6	6	6	6	6	6	6	6	6	6	6	6
11 MCMINN SHARE	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12 M FREE SHARE	7	7	7	7	7	7	7	7	7	7	7	7	7	7
13 WANAPUM AFTER ENC. GRNT	910	910	910	910	910	910	910	910	910	910	910	910	910	910
14 PRIEST RAPIDS	912	912	912	912	912	912	912	912	912	912	912	912	912	912
15 PRIEST RAPIDS AFTER ENC.	897	897	897	897	897	897	897	897	897	897	897	897	897	897
16 PP&L SHARE	125	125	125	125	125	125	125	125	125	125	125	125	125	125
17 PGE SHARE	125	125	125	125	125	125	125	125	125	125	125	125	125	125
18 PSP&L SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72
19 SEATTL SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72
20 TACOMA SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72
21 WWP SHARE	55	55	55	55	55	55	55	55	55	55	55	55	55	55
22 GRANT SHARE	327	327	327	327	327	327	327	327	327	327	327	327	327	327
23 EUGENE SHARE	15	15	15	15	15	15	15	15	15	15	15	15	15	15
24 COWLIZ SHARE	18	18	18	18	18	18	18	18	18	18	18	18	18	18
25 F GROV SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26 MCMINN SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27 M FREE SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28 KITATS SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29 PRST RPDS AFTER ENC. GRNT	897	897	897	897	897	897	897	897	897	897	897	897	897	897

TABLE A-20

WANAPUM AND PRIEST RAPIDS ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 WANAPUM	986	986	986	986	986	986	986	986	986	986	986	986	986	986
2 WANAPUM AFTER ENC.	910	910	910	910	910	910	910	910	910	910	910	910	910	910
3 PP&L SHARE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
4 PGE SHARE	170	170	170	170	170	170	170	170	170	170	170	170	170	170
5 PSP&L SHARE	98	98	98	98	98	98	98	98	98	98	98	98	98	98
6 WWP SHARE	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 GRANT SHARE	332	332	332	332	332	332	332	332	332	332	332	332	332	332
8 EUGENE SHARE	21	21	21	21	21	21	21	21	21	21	21	21	21	21
9 COWLIZ SHARE	25	25	25	25	25	25	25	25	25	25	25	25	25	25
10 F GROV SHARE	6	6	6	6	6	6	6	6	6	6	6	6	6	6
11 MCMINN SHARE	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12 M FREE SHARE	7	7	7	7	7	7	7	7	7	7	7	7	7	7
13 WANAPUM AFTER ENC. GRNT	910	910	910	910	910	910	910	910	910	910	910	910	910	910
14 PRIEST RAPIDS	912	912	912	912	912	912	912	912	912	912	912	912	912	912
15 PRIEST RAPIDS AFTER ENC.	897	897	897	897	897	897	897	897	897	897	897	897	897	897
16 PP&L SHARE	125	125	125	125	125	125	125	125	125	125	125	125	125	125
17 PGE SHARE	125	125	125	125	125	125	125	125	125	125	125	125	125	125
18 PSP&L SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72
19 SEATTL SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72
20 TACOMA SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72
21 WWP SHARE	55	55	55	55	55	55	55	55	55	55	55	55	55	55
22 GRANT SHARE	327	327	327	327	327	327	327	327	327	327	327	327	327	327
23 EUGENE SHARE	15	15	15	15	15	15	15	15	15	15	15	15	15	15
24 COWLIZ SHARE	18	18	18	18	18	18	18	18	18	18	18	18	18	18
25 F GROV SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26 MCMINN SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27 M FREE SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28 KITATS SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29 PRST RPDS AFTER ENC. GRNT	897	897	897	897	897	897	897	897	897	897	897	897	897	897

TABLE A-20

1930 WATER YEAR
PEAK IN MEGAWATTS

WANAPUM AND PRIEST RAPIDS ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

		AUG 1-15		AUG 16-31		SEP		OCT		NOV		DEC		JAN		FEB		MAR		APR 1-15		APR 16-30		MAY		JUN		JUL	
		986	910	986	910	986	910	986	910	986	910	986	910	986	910	986	910	986	910	986	910	986	910	986	910	986	910	986	910
1	WANAPUM																												
2	WANAPUM AFTER ENC.																												
3	PP&L SHARE	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
4	PGE SHARE	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170	170
5	PSP&L SHARE	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
6	WHP SHARE	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7	GRANT SHARE	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332	332
8	EUGENE SHARE	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
9	COWLIZ SHARE	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
10	F GROV SHARE	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
11	MCMINN SHARE	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
12	M FREE SHARE	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
13	WANAPUM AFTER ENC.	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910	910
14	PRIEST RAPIDS	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912
15	PRIEST RAPIDS AFTER ENC.	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897
16	PP&L SHARE	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
17	PGE SHARE	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125	125
18	PSP&L SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
19	SEATTL SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
20	TACOMA SHARE	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
21	WHP SHARE	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327	327
22	GRANT SHARE	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
23	EUGENE SHARE	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
24	COWLIZ SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
25	F GROV SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	MCMINN SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
27	M FREE SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
28	KITATS SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
29	PRST RPDS AFTER ENC.	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897	897

TABLE A-21

SWIFT 1 AND SWIFT 2 ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	SWIFT 1	265	233	264	252	228	210	198	205	223	226	226	0	263	253
2	COWLIZ SHARE	69	60	69	66	59	55	51	53	58	59	59	0	68	66
3	PP&L SHARE (SYSTEM)	196	173	195	186	169	155	147	152	165	167	167	0	195	187
4	SWIFT 1 PP&L	265	233	264	252	228	210	198	205	223	226	226	0	263	253
5	SWIFT 2	58	58	64	71	71	71	71	71	76	76	70	0	59	58
6	COWLIZ SHARE	15	15	17	19	19	19	19	19	20	20	18	0	15	15
7	PP&L SHARE (SYSTEM)	43	43	47	52	52	52	52	52	56	56	52	0	44	43
8	SWIFT 2 COW	58	58	64	71	71	71	71	71	76	76	70	0	59	58

TABLE A-21

SWIFT 1 AND SWIFT 2 ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	SWIFT 1	265	233	264	252	228	210	198	205	223	226	226	0	263	253
2	COWLIZ SHARE	69	60	69	66	59	55	51	53	58	59	59	0	68	66
3	PP&L SHARE (SYSTEM)	196	173	195	186	169	155	147	152	165	167	167	0	195	187
4	SWIFT 1 PP&L	265	233	264	252	228	210	198	205	223	226	226	0	263	253
5	SWIFT 2	58	58	64	71	71	71	71	71	76	76	70	0	59	58
6	COWLIZ SHARE	15	15	17	19	19	19	19	19	20	20	18	0	15	15
7	PP&L SHARE (SYSTEM)	43	43	47	52	52	52	52	52	56	56	52	0	44	43
8	SWIFT 2 COW	58	58	64	71	71	71	71	71	76	76	70	0	59	58

TABLE A-21

SWIFT 1 AND SWIFT 2 ALLOCATION

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 SWIFT 1	265	233	264	252	228	210	198	205	223	226	226	0	263	253
2 COWLIZ SHARE	69	60	69	66	59	55	51	53	58	59	59	0	68	66
3 PP&L SHARE (SYSTEM)	196	173	195	186	169	155	147	152	165	167	167	0	195	187
4 SWIFT 1 PP&L	265	233	264	252	228	210	198	205	223	226	226	0	263	253
5 SWIFT 2	58	58	64	71	71	71	71	71	76	76	70	0	59	58
6 COWLIZ SHARE	15	15	17	19	19	19	19	19	20	20	18	0	15	15
7 PP&L SHARE (SYSTEM)	43	43	47	52	52	52	52	52	56	56	52	0	44	43
8 SWIFT 2 COW	58	58	64	71	71	71	71	71	76	76	70	0	59	58

TABLE A-22

POWER SALES CONTRACTS SALES BY BPA

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1993 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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PUBLIC UTILITIES
PRIORITY FIRM RATE SALES

1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	486	479	468	527	578	580	610	589	598	578	577	613	496	486
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	221	217	288	355	407	426	446	423	383	342	361	294	220	236
5	3	3	5	9	13	16	16	15	10	8	8	6	3	4
6	38	42	26	35	43	53	56	36	43	41	42	35	28	33
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	486	451	527	791	941	1108	1050	1104	934	902	902	754	591	437
9	0	0	0	0	71	155	316	302	205	132	104	0	0	0
10	4232	4232	4223	4776	5318	5800	6124	5571	5394	5058	5058	4807	4328	4416
11	5466	5424	5537	6493	7370	8139	8618	8040	7566	7061	7053	6509	5667	5612

PRIVATE UTILITIES
NEW RESOURCES RATE PURCHASES

12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	150	150	150	150	150	150	150	150	150	150	150	150	150	150
16	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
18	150	150	150	150	150	150	150	150	150	150	150	150	150	150

TABLE A-22

POWER SALES CONTRACTS SALES BY BPA

1930 WATER YEAR PEAK IN MEGAWATTS	M E D I U M L O A D S												1993 WHITEBOOK: 12/19/93			RUN DATE: 01/19/94		
	1998-99 OPERATING YEAR																	
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL				

PUBLIC UTILITIES

PRIORITY FIRM RATE SALES

1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	527	520	509	564	604	602	638	615	623	609	608	641	522	523	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	266	262	338	406	455	472	507	482	437	403	422	350	269	281	0	0	0	0
5	5	5	7	13	19	23	23	22	15	12	12	8	8	6	0	0	0	0
6	22	45	24	32	34	49	53	37	48	37	39	32	24	26	0	0	0	0
7	0	0	0	0	0	0	86	0	0	0	0	0	0	0	0	0	0	0
8	585	550	625	901	1046	1213	1154	1206	1026	1001	1001	839	715	516	0	0	0	0
9	62	51	0	37	177	258	442	424	318	241	213	80	4	0	0	0	0	0
10	4614	4614	4643	5225	5735	6199	6670	6050	5853	5465	5465	5180	4658	4753	0	0	0	0
11	6081	6047	6147	7179	8070	8817	9574	8836	8319	7768	7761	7131	6201	6106	0	0	0	0

PRIVATE UTILITIES

NEW RESOURCES RATE PURCHASES

12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
16	0	0	0	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	0	0	0
18	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150

TABLE A-22

POWER SALES CONTRACTS SALES BY BPA

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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PUBLIC UTILITIES
PRIORITY FIRM RATE SALES

1	CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0
2	COWLITZ COUNTY PUD #1	571	564	553	617	662	662	688	664	675	652	651	682
3	DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0
4	EUGENE WATER & ELEC BOARD	306	302	380	456	513	536	562	536	489	438	457	383
5	GRANT COUNTY PUD #2	64	64	36	21	31	37	66	72	27	29	29	52
6	PEND OREILLE COUNTY PUD #1	19	45	21	32	36	54	54	37	48	37	39	31
7	SEATTLE CITY LIGHT	0	0	0	0	130	161	250	145	116	20	0	0
8	SNOHOMISH COUNTY PUD #1	610	575	654	951	1113	1294	1210	1268	1083	1053	1053	882
9	TACOMA PUBLIC UTILITIES	142	130	85	144	304	394	571	552	439	353	326	182
10	SM & NON GEN PUBLICS	4883	4883	4915	5552	6161	6695	7123	6462	6255	5803	5804	5501
11	TOTAL SALES	6594	6564	6644	7773	8949	9833	10524	9737	9133	8385	8359	7714

PRIVATE UTILITIES
NEW RESOURCES RATE PURCHASES

12	IDAHO POWER COMPANY	0	0	0	0	0	0	0	0	0	0	0	0
13	MONTANA POWER CO. REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0
14	PACIFIC POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0
15	PORTLAND GENERAL ELECTRIC	0	0	0	0	0	0	0	0	0	0	0	0
16	PUGET SOUND POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0
17	WASHINGTON WATER POWER	0	0	0	0	0	0	0	0	0	0	0	0
18	TOTAL SALES	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-23

NON-UTILITY GENERATING RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 EUGENE WATER & ELEC BRD	0	0	0	5	6	4	0	1	2	9	9	37	37	11
5 GRANT COUNTY PUD #2	14	14	11	8	0	0	0	0	8	13	13	16	15	15
6 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 SEATTLE CITY LIGHT	121	121	75	28	4	5	10	12	27	88	88	134	142	138
8 SNOHOMISH COUNTY PUD #1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9 TACOMA PUBLIC UTILITIES	53	53	33	15	0	0	0	0	4	35	35	48	55	59
10 SMALL & NON GEN PUBLICS	9	9	26	26	27	27	9	9	9	10	10	9	9	9
11 IDAHO POWER COMPANY DED	127	127	106	76	63	44	53	57	72	103	103	131	142	142
12 MONTANA POWER CO. REGIONAL	11	11	8	8	6	7	8	8	8	9	15	9	17	23
13 PACIFIC POWER & LIGHT DED	51	51	50	48	51	52	34	55	50	54	54	64	53	52
14 PORTLAND GENERAL ELECTRIC	25	25	26	29	37	40	39	38	37	38	38	36	31	26
15 PUGET SOUND POWER & LIGHT	712	712	712	712	712	712	712	712	712	712	712	167	552	712
16 WASHINGTON WATER POWER	66	66	67	67	68	70	70	72	73	74	74	48	49	69
17 TOTAL NON-UTILITY GEN	1190	1190	1115	1023	975	962	936	965	1003	1146	1152	700	1103	1257
TOTAL REGIONAL NON-UTILITY GENERATION														
18 PUBLIC AGENCIES	198	198	146	83	38	37	20	23	51	156	156	245	259	233
19 PRIVATE UTILITIES	992	992	969	940	937	925	916	942	952	990	996	455	844	1024
20 TOTAL NON-UTILITY GEN	1190	1190	1115	1023	975	962	936	965	1003	1146	1152	700	1103	1257
SOME OF MONTANA POWER COMPANY'S NON-UTILITY GENERATION IS NOT INCLUDED IN THE REGION. ALL OF MONTANA'S RESOURCES ARE ASSUMED TO SERVE ALL OF THEIR LOADS. THEREFORE, NON-UTILITY GENERATION IS PRORATED TO THE PERCENT OF THEIR REGIONAL LOAD COMPARED TO THEIR TOTAL LOAD.														
21 MONTANA NON-REGIONAL NUG	33	33	37	40	40	38	37	37	39	39	33	39	83	75
UTAH POWER AND LIGHT'S NON-UTILITY GENERATION IS EXCLUDED FROM THIS TABLE SINCE NO INDIVIDUAL UTAH RESOURCES ARE MODELED IN THIS REPORT. UTAH'S REGIONAL LOAD IS ASSUMED TO SERVED WITH AN IMPORT OF POWER EQUAL TO THEIR LOAD.														
22 UTAH, NON-UTILITY GENERATION	8	8	8	7	7	6	5	6	7	7	7	11	14	11
TOTAL NON-UTILITY GENERATION WHICH MATCHES THE TOTAL NUG GENERATION IN THE 1992 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY, NON-UTILITY GENERATION SUMMARY.														
23 TOTAL NON-UTILITY GEN	1231	1231	1160	1070	1022	1007	978	1008	1050	1193	1193	750	1201	1343

TABLE A-23

NON-UTILITY GENERATING RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	9	9	37	37	11
4 EUGENE WATER & ELEC BRD	0	0	0	5	5	4	0	1	1	13	13	16	15	15
5 GRANT COUNTY PUD #2	14	14	11	8	0	0	0	0	0	0	0	0	0	0
6 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	134	141	138
7 SEATTLE CITY LIGHT	121	121	75	27	4	5	10	12	27	88	88	1	1	1
8 SNOHOMISH COUNTY PUD #1	1	1	1	1	1	1	1	1	1	35	35	49	55	59
9 TACOMA PUBLIC UTILITIES	53	53	33	15	0	0	11	11	11	11	11	11	11	11
10 SMALL & NON GEN PUBLICS	11	11	11	11	11	11	121	128	141	166	166	189	211	190
11 IDAHO POWER COMPANY DED	181	181	164	143	136	117	30	30	25	25	36	24	23	23
12 MONTANA POWER CO. REGIONAL	23	23	23	25	24	29	34	55	50	54	54	64	53	52
13 PACIFIC POWER & LIGHT DED	51	51	49	48	51	51	39	38	37	38	38	36	31	26
14 PORTLAND GENERAL ELECTRIC	25	25	26	29	37	40	39	38	699	699	699	154	539	699
15 PUGET SOUND POWER & LIGHT	699	699	699	699	699	699	699	699	73	74	74	48	49	68
16 WASHINGTON WATER POWER	66	66	67	67	68	70	70	71	73	74	74	48	49	68
17 TOTAL NON-UTILITY GEN	1245	1245	1159	1078	1036	1027	1015	1046	1077	1213	1224	763	1166	1293
TOTAL REGIONAL NON-UTILITY GENERATION														
18 PUBLIC AGENCIES	200	200	131	67	21	21	22	25	52	157	157	248	260	235
19 PRIVATE UTILITIES	1045	1045	1028	1011	1015	1006	993	1021	1025	1056	1067	515	906	1058
20 TOTAL NON-UTILITY GEN	1245	1245	1159	1078	1036	1027	1015	1046	1077	1213	1224	763	1166	1293
SOME OF MONTANA POWER COMPANY'S NON-UTILITY GENERATION IS NOT INCLUDED IN THE REGION. ALL OF MONTANA'S RESOURCES ARE ASSUMED TO SERVE ALL OF THEIR LOADS. THEREFORE, NON-UTILITY GENERATION IS PRORATED TO THE PERCENT OF THEIR REGIONAL LOAD COMPARED TO THEIR TOTAL LOAD.														
21 MONTANA NON-REGIONAL NUG	73	73	74	75	74	68	67	67	74	75	64	76	77	75
UTAH POWER AND LIGHT'S NON-UTILITY GENERATION IS EXCLUDED FROM THIS TABLE SINCE NO INDIVIDUAL UTILITY RESOURCES ARE MODELED IN THIS REPORT. UTAH'S REGIONAL LOAD IS ASSUMED TO BE SERVED WITH AN IMPORT OF POWER EQUAL TO THEIR LOAD.														
22 UTAH, NON-UTILITY GENERATION	8	8	8	7	7	6	5	6	7	7	7	11	14	11
TOTAL NON-UTILITY GENERATION WHICH MATCHES THE TOTAL NUG GENERATION IN THE 1992 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY, NON-UTILITY GENERATION SUMMARY.														
23 TOTAL NON-UTILITY GEN	1326	1326	1241	1160	1117	1102	1087	1119	1159	1296	1296	850	1258	1379

TABLE A-23

NON-UTILITY GENERATING RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 CHELAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 EUGENE WATER & ELEC BRD	0	0	0	5	5	4	0	1	1	9	9	37	37	11
5 GRANT COUNTY PUD #2	14	14	11	8	0	0	0	0	8	13	13	16	15	15
6 PEND OREILLE COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 SEATTLE CITY LIGHT	121	121	75	27	4	5	10	12	27	88	88	134	141	138
8 SNOHOMISH COUNTY PUD #1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
9 TACOMA PUBLIC UTILITIES	53	53	33	15	0	0	0	0	4	34	35	48	55	59
10 SMALL & NON GEN PUBLICS	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11 IDAHO POWER COMPANY DED	181	181	164	143	136	117	121	128	141	166	166	189	211	190
12 MONTANA POWER CO. REGIONAL	29	29	31	33	32	37	38	38	33	35	46	34	32	31
13 PACIFIC POWER & LIGHT DED	51	51	49	48	51	51	34	55	50	54	54	64	53	52
14 PORTLAND GENERAL ELECTRIC	25	25	26	29	37	40	39	38	37	38	38	36	31	26
15 PUGET SOUND POWER & LIGHT	699	699	699	699	699	699	699	699	699	699	699	154	539	699
16 WASHINGTON WATER POWER	7	7	8	8	9	11	11	12	14	15	15	13	14	6
17 TOTAL NON-UTILITY GEN	1192	1192	1108	1027	985	976	964	995	1026	1163	1175	737	1140	1238
TOTAL REGIONAL NON-UTILITY GENERATION														
18 PUBLIC AGENCIES	200	200	131	67	21	21	22	25	52	156	157	247	260	234
19 PRIVATE UTILITIES	992	992	977	960	964	955	942	970	974	1007	1018	490	880	1004
20 TOTAL NON-UTILITY GEN	1192	1192	1108	1027	985	976	964	995	1026	1163	1175	737	1140	1238
SOME OF MONTANA POWER COMPANY'S NON-UTILITY GENERATION IS NOT INCLUDED IN THE REGION. ALL OF MONTANA'S RESOURCES ARE ASSUMED TO SERVE ALL OF THEIR LOADS. THEREFORE, NON-UTILITY GENERATION IS PRORATED TO THE PERCENT OF THEIR REGIONAL LOAD COMPARED TO THEIR TOTAL LOAD.														
21 MONTANA NON-REGIONAL NUG	67	67	66	67	66	60	59	59	66	65	54	66	68	67
UTAH POWER AND LIGHT'S NON-UTILITY GENERATION IS EXCLUDED FROM THIS TABLE SINCE NO INDIVIDUAL UTAH RESOURCES ARE MODELED IN THIS REPORT. UTAH'S REGIONAL LOAD IS ASSUMED TO SERVED WITH AN IMPORT OF POWER EQUAL TO THEIR LOAD.														
22 UTAH, NON-UTILITY GENERATION	8	8	8	7	7	6	5	6	7	7	7	11	14	11
TOTAL NON-UTILITY GENERATION WHICH MATCHES THE TOTAL NUG GENERATION IN THE 1992 PACIFIC NORTHWEST LOADS AND RESOURCES STUDY, NON-UTILITY GENERATION SUMMARY.														
23 TOTAL NON-UTILITY GEN	1267	1267	1182	1101	1058	1043	1028	1060	1100	1236	1237	814	1223	1316

TABLE A-24

DEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PUBLIC AGENCIES														
1 CHELAN COUNTY PUD #1	320	324	327	332	330	331	327	333	331	331	331	319	325	363
2 COWLITZ COUNTY PUD #1	146	137	148	147	140	136	132	134	140	138	136	59	142	140
3 DOUGLAS COUNTY PUD #1	240	240	240	240	240	240	240	240	240	239	239	239	239	239
4 EUGENE WATER & ELEC BOARD	115	112	111	111	109	129	116	132	123	126	108	141	147	116
5 GRANT COUNTY PUD #2	613	613	613	613	613	613	613	613	613	607	607	607	607	607
6 PEND OREILLE COUNTY PUD #1	17	18	15	14	16	16	16	15	16	14	13	13	15	16
7 SEATTLE CITY LIGHT	1954	2058	2027	2058	2007	1979	2017	2030	2049	1999	2141	2125	2160	2158
8 SNOHOMISH COUNTY PUD #1	219	219	219	219	219	219	219	219	219	218	218	166	218	218
9 TACOMA PUBLIC UTILITIES	934	994	1015	1009	979	936	782	786	828	848	881	935	945	897
10 SM & NON GEN PUBLIC (CL+GH)	291	291	325	322	324	325	307	307	315	301	301	299	279	268
11 TOTAL PUBLIC AGENCIES	4850	5006	5040	5065	4977	4923	4770	4809	4875	4822	4975	4904	5078	5022
PRIVATE UTILITIES														
12 IDAHO POWER COMPANY	2180	2156	2320	2285	2020	2294	2308	2220	2269	1939	1952	2247	2283	2322
13 MONTANA POWER CO. REGIONAL	383	383	399	418	429	473	501	482	420	380	470	372	405	398
14 PACIFIC POWER & LIGHT	4794	4769	4394	4533	4410	4645	4622	4682	4738	4445	4311	4405	4893	4716
15 PORTLAND GENERAL ELECTRIC	1512	1512	1513	1515	1742	1743	1744	1743	1517	1494	1494	1476	1492	1490
16 PUGET SOUND POWER & LIGHT	2605	2605	2606	2605	2962	2952	2927	2911	2547	2362	2479	2192	2580	2584
17 WASHINGTON WATER POWER	1532	1524	1554	1556	1552	1519	1497	1474	1470	1474	1476	1366	1515	1504
18 TOTAL PRIVATE UTILITIES	13006	12949	12786	12912	13115	13626	13599	13512	12961	12094	12182	12058	13168	13014
19 TOTAL DEDICATED RESOURCES	17856	17955	17826	17977	18092	18549	18369	18321	17836	16916	17157	16962	18246	18036

TABLE A-24

DEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS	1998-99 OPERATING YEAR												RUN DATE: 01		
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	
PUBLIC AGENCIES															
1 CHELAN COUNTY PUD #1	373	374	375	374	370	369	364	369	367	359	360	312	339	369	
2 COWLITZ COUNTY PUD #1	139	130	141	140	133	129	125	127	133	124	122	45	128	126	
3 DOUGLAS COUNTY PUD #1	235	235	235	235	235	235	235	235	235	222	222	222	222	222	
4 EUGENE WATER & ELEC BOARD	100	97	96	96	93	114	101	117	107	101	83	116	122	91	
5 GRANT COUNTY PUD #2	594	594	594	594	594	594	594	594	594	555	555	555	555	555	
6 PEND OREILLE COUNTY PUD #1	22	26	24	22	23	24	24	24	24	23	21	21	23	23	
7 SEATTLE CITY LIGHT	1913	2017	1986	2016	1966	1938	1976	1989	2008	1938	2097	2064	2045	2097	
8 SNOHOMISH COUNTY PUD #1	215	215	215	215	215	215	215	215	215	212	212	160	160	212	
9 TACOMA PUBLIC UTILITIES	933	993	1014	1008	978	935	781	785	827	842	875	929	887	891	
10 SM & NON GEN PUBLIC (CL+GH)	258	258	275	272	274	274	269	270	277	244	244	242	222	221	
11 TOTAL PUBLIC AGENCIES	4782	4939	4955	4972	4881	4827	4684	4725	4787	4620	4791	4666	4703	4807	
PRIVATE UTILITIES															
12 IDAHO POWER COMPANY	2233	2209	2377	2352	2092	2365	2379	2294	2342	2014	2027	2308	2432	2440	
13 MONTANA POWER CO. REGIONAL	373	373	370	376	385	451	474	461	400	361	453	350	385	384	
14 PACIFIC POWER & LIGHT	3345	3321	2855	2852	2887	3368	3340	3421	3176	3075	2941	2963	3139	3270	
15 PORTLAND GENERAL ELECTRIC	1738	1738	1739	1739	1964	1964	1964	1964	1739	1366	1366	1589	1651	1666	
16 PUGET SOUND POWER & LIGHT	2406	2406	2407	2406	2763	2753	2728	2711	2349	2096	2211	1951	2266	2317	
17 WASHINGTON WATER POWER	1486	1477	1483	1490	1491	1484	1463	1441	1436	1421	1422	1346	1373	1473	
18 TOTAL PRIVATE UTILITIES	11581	11524	11231	11215	11582	12385	12348	12292	11442	10333	10420	10507	11246	11550	
19 TOTAL DEDICATED RESOURCES	16363	16463	16186	16187	16463	17212	17032	17017	16229	14953	15211	15173	15949	16357	

TABLE A-24

DEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PUBLIC AGENCIES														
1 CHELAN COUNTY PUD #1	496	496	497	496	495	494	492	492	492	492	493	453	475	531
2 COWLITZ COUNTY PUD #1	123	114	125	124	117	113	109	111	117	118	116	39	122	120
3 DOUGLAS COUNTY PUD #1	211	211	211	211	211	211	211	211	211	211	211	211	211	211
4 EUGENE WATER & ELEC BOARD	73	70	69	69	66	87	74	90	80	89	71	104	110	79
5 GRANT COUNTY PUD #2	516	516	516	516	516	516	516	516	516	516	516	516	516	516
6 PEND OREILLE COUNTY PUD #1	29	33	31	29	30	31	31	31	31	30	28	28	30	30
7 SEATTLE CITY LIGHT	1846	1950	1919	1949	1899	1871	1909	1922	1941	1902	2061	2028	2062	2061
8 SNOHOMISH COUNTY PUD #1	209	209	209	209	209	209	209	209	209	209	209	157	209	209
9 TACOMA PUBLIC UTILITIES	907	967	988	982	952	909	755	759	801	821	854	908	918	870
10 SM & NON GEN PUBLIC (CL+GH)	180	180	197	194	194	196	195	196	203	203	203	201	181	181
11 TOTAL PUBLIC AGENCIES	4590	4746	4761	4778	4688	4636	4500	4537	4600	4591	4762	4645	4833	4808
PRIVATE UTILITIES														
12 IDAHO POWER COMPANY	2341	2317	2485	2434	2177	2475	2555	2466	2505	2170	2183	2471	2527	2542
13 MONTANA POWER CO. REGIONAL	365	365	364	366	378	448	471	461	398	357	447	346	390	382
14 PACIFIC POWER & LIGHT	3124	3100	2741	2890	3264	3141	3106	3187	3165	2892	2758	2784	3267	3083
15 PORTLAND GENERAL ELECTRIC	1598	1598	1599	1599	1824	1824	1824	1824	1599	1297	1297	1520	1599	1597
16 PUGET SOUND POWER & LIGHT	2094	2095	2096	2095	2449	2440	2410	2399	2035	1873	1989	1720	2087	2060
17 WASHINGTON WATER POWER	1442	1433	1439	1446	1447	1440	1419	1397	1392	1401	1402	1326	1451	1453
18 TOTAL PRIVATE UTILITIES	10964	10908	10724	10830	11539	11768	11785	11734	11094	9990	10076	10167	11321	11117
19 TOTAL DEDICATED RESOURCES	15554	15654	15485	15608	16227	16404	16285	16271	15694	14581	14838	14812	16154	15925

TABLE A-25

NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PUBLIC AGENCIES														
1 CHELAN COUNTY PUD #1	-123	-125	-127	-127	-73	-73	-71	-75	-74	-76	-75	-68	-127	-131
2 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 EUGENE WATER & ELEC BOARD	26	26	26	26	26	6	26	26	26	26	26	26	26	6
5 GRANT COUNTY PUD #2	79	79	76	73	65	65	65	65	73	78	78	81	80	80
6 PEND OREILLE COUNTY PUD #1	88	88	88	88	88	88	88	88	88	88	88	88	88	88
7 SEATTLE CITY LIGHT	3	3	-61	-80	1	1	1	1	1	1	1	1	-61	-61
8 SNOHOMISH COUNTY PUD #1	-5	-5	-5	-6	-7	-10	-10	-8	-7	-7	-7	-6	-5	-5
9 TACOMA PUBLIC UTILITIES	-27	-27	-10	42	-9	25	25	25	25	14	14	14	14	13
10 SM & NON GEN PUBLIC (CL+GH)	-5	-5	-5	-5	-5	-6	-6	-6	-5	-5	-5	-5	-5	-5
11 TOTAL PUBLIC AGENCIES	37	34	-17	11	86	95	118	115	127	119	119	130	10	-16
PRIVATE UTILITIES														
12 IDAHO POWER COMPANY	341	341	266	214	189	164	164	189	214	266	266	216	266	341
13 MONTANA POWER CO. REGIONAL	43	43	9	5	0	28	33	34	29	129	-69	34	5	41
14 PACIFIC POWER & LIGHT	-475	-475	-383	-328	-307	-273	-303	-322	-347	-351	-351	-450	-440	-471
15 PORTLAND GENERAL ELECTRIC	944	944	953	1194	1281	1291	1294	1288	1198	1189	899	767	957	945
16 PUGET SOUND POWER & LIGHT	1137	1137	1137	1738	2553	2557	2557	2555	1780	1386	1069	893	977	1137
17 WASHINGTON WATER POWER	168	168	169	349	582	584	584	585	546	367	149	150	104	171
18 TOTAL PRIVATE UTILITIES	2158	2158	2151	3172	4298	4351	4329	4329	3420	2986	1963	1610	1869	2164
19 TOTAL NONDEDICATED RES	2195	2192	2134	3183	4384	4446	4447	4444	3547	3105	2082	1740	1879	2148

TABLE A-25

NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PUBLIC AGENCIES														
1 CHELAN COUNTY PUD #1	-147	-148	-149	-149	-94	-95	-91	-96	-94	-97	-97	-88	-146	-153
2 COWLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 EUGENE WATER & ELEC BOARD	26	26	26	26	26	6	26	26	26	26	26	26	26	6
5 GRANT COUNTY PUD #2	79	79	76	73	65	65	65	65	73	78	78	81	80	80
6 PEND OREILLE COUNTY PUD #1	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 SEATTLE CITY LIGHT	3	3	-61	-80	1	47	47	47	47	13	13	1	-61	-61
8 SNOHOMISH COUNTY PUD #1	-5	-5	-5	-6	-7	-10	-10	-8	-7	-7	-7	-6	-5	-5
9 TACOMA PUBLIC UTILITIES	-58	-58	-41	11	-40	-7	-7	-7	-7	-34	-34	-34	-34	-35
10 SM & NON GEN PUBLIC (CL+GH)	47	47	47	47	47	46	46	46	46	47	47	21	21	47
11 TOTAL PUBLIC AGENCIES	21	20	-31	-3	73	128	152	149	160	101	101	77	-43	-46
PRIVATE UTILITIES														
12 IDAHO POWER COMPANY	292	292	292	292	292	292	292	292	292	171	171	242	292	292
13 MONTANA POWER CO. REGIONAL	52	52	51	54	53	62	65	64	55	149	-52	53	15	52
14 PACIFIC POWER & LIGHT	-559	-559	-466	-411	-370	-337	-368	-387	-411	-437	-437	-535	-525	-556
15 PORTLAND GENERAL ELECTRIC	1124	1124	1126	1358	1434	1439	1439	1437	1352	1012	722	597	1131	1125
16 PUGET SOUND POWER & LIGHT	1123	1123	1123	1724	2539	2543	2543	2541	1767	1372	1056	879	963	1123
17 WASHINGTON WATER POWER	251	251	252	432	665	667	667	668	629	450	232	233	187	254
18 TOTAL PRIVATE UTILITIES	2283	2283	2378	3449	4613	4666	4638	4615	3684	2717	1692	1469	2063	2290
19 TOTAL NONDEDICATED RES	2304	2303	2347	3446	4686	4794	4790	4764	3844	2818	1793	1546	2020	2244

TABLE A-25

NONDEDICATED RESOURCES
2003- 4 OPERATING YEAR1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAMATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PUBLIC AGENCIES														
1 CHELAN COUNTY PUD #1	-154	-155	-156	-156	-101	-102	-97	-104	-101	-104	-105	-94	-152	-155
2 COMLITZ COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 EUGENE WATER & ELEC BOARD	26	26	26	26	26	6	26	26	26	26	26	26	26	6
5 GRANT COUNTY PUD #2	79	79	76	73	65	65	65	65	73	78	78	81	80	80
6 PEND OREILLE COUNTY PUD #1	75	75	75	75	75	75	75	75	75	75	75	75	75	75
7 SEATTLE CITY LIGHT	3	3	-61	-80	1	1	1	1	1	1	1	1	-61	-61
8 SNOHOMISH COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 TACOMA PUBLIC UTILITIES	-91	-91	-74	-23	-73	-40	-40	-40	-40	-40	-40	-40	-40	-41
10 SM & NON GEN PUBLIC (CL+GH)	48	48	48	48	48	48	48	48	48	48	48	22	48	48
11 TOTAL PUBLIC AGENCIES	-14	-15	-65	-36	41	53	78	72	82	84	83	71	-24	-48
PRIVATE UTILITIES														
12 IDAHO POWER COMPANY	292	292	292	292	292	292	292	292	292	171	171	242	292	292
13 MONTANA POWER CO. REGIONAL	63	63	65	68	66	75	78	77	69	164	-35	69	16	65
14 PACIFIC POWER & LIGHT	-671	-671	-576	-523	-283	-251	-281	-299	-323	-348	-348	-447	-438	-469
15 PORTLAND GENERAL ELECTRIC	1124	1124	1126	1358	1434	1439	1439	1437	1352	1012	722	597	1131	1125
16 PUGET SOUND POWER & LIGHT	717	717	717	1017	2224	2224	2224	2224	1158	1064	748	572	657	517
17 WASHINGTON WATER POWER	292	292	293	473	706	708	708	709	670	491	273	298	252	291
18 TOTAL PRIVATE UTILITIES	1817	1817	1917	2685	4439	4487	4460	4440	3218	2554	1531	1331	1910	1821
19 TOTAL NONDEDICATED RES	1803	1802	1852	2649	4480	4540	4538	4512	3300	2638	1614	1402	1886	1773

TABLE A-26

FEDERAL RESOURCE OPTIONS

1993 WHITEBOOK: 12/19/93

1994-95 OPERATING YEAR

RUN DATE: 01/19/94

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
SURPLUS POWER SALES SUBJECT TO 60-DAY RECALL UNDER PUBLIC LAW 88-552														
1 BPA TO BURBANK, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA TO GLENDALE, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA TO PASADENA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA TO MSR, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA TO SCE, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 FED CONTRACTS 60-DAY RECALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCHANGE ENERGY FROM PSW CAPACITY/ENERGY EXCHANGES FROM TERMINATED PSW SURPLUS POWER SALES														
7 BURBANK TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GLENDALE TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASADENA TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 MSR TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 SCE TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 FED EXCHANGE NRG FROM PSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPTIONAL PURCHASE RIGHTS IN PSW CAPACITY/ENERGY EXCHANGES FROM TERMINATED PSW SURPLUS POWER SALES														
13 BURBANK TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 GLENDALE TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASADENA TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 SCE TO BPA, SUPPLEMENTAL NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL SUPPLEMENTAL ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 SCE TO BPA, OPTION ENERGY	0	0	0	0	0	0	230	230	273	273	0	0	0	0
19 FED RES ADDITIONS FROM PSW	0	0	0	0	0	0	230	230	273	273	0	0	0	0
SURPLUS POWER SALES SUBJECT TO 5-YEAR RECALL UNDER PUBLIC LAW 75-329 AND PUBLIC LAW 88-552														
20 BPA TO PSP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 FED CONTRACTS 5-YEAR RECALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 TOTAL RECALLABLE RESOURCES	0	0	0	0	0	0	230	230	273	273	0	0	0	0
23 CANADIAN NON-TREATY STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL RESOURCE OPTIONS	0	0	0	0	0	0	230	230	273	273	0	0	0	0

TABLE A-26

FEDERAL RESOURCE OPTIONS

1993 WHITEBOOK: 12/19/93

1998-99 OPERATING YEAR

RUN DATE: 01/19/94

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
SURPLUS POWER SALES SUBJECT TO 60-DAY RECALL UNDER PUBLIC LAW 88-552														
1 BPA TO BURBANK, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA TO GLENDALE, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA TO PASADENA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA TO MSR, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA TO SCE, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 FED CONTRACTS 60-DAY RECALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCHANGE ENERGY FROM PSW CAPACITY/ENERGY EXCHANGES FROM TERMINATED PSW SURPLUS POWER SALES														
7 BURBANK TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GLENDALE TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASADENA TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 MSR TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 SCE TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 FED EXCHANGE NRG FROM PSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPTIONAL PURCHASE RIGHTS IN PSW CAPACITY/ENERGY EXCHANGES FROM TERMINATED PSW SURPLUS POWER SALES														
13 BURBANK TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 GLENDALE TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASADENA TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 SCE TO BPA, SUPPLEMENTAL NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL SUPPLEMENTAL ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 SCE TO BPA, OPTION ENERGY	0	0	0	0	0	0	230	230	273	273	0	0	0	0
19 FED RES ADDITIONS FROM PSW	0	0	0	0	0	0	230	230	273	273	0	0	0	0
SURPLUS POWER SALES SUBJECT TO 5-YEAR RECALL UNDER PUBLIC LAW 75-329 AND PUBLIC LAW 88-552														
20 BPA TO PSP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 FED CONTRACTS 5-YEAR RECALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 TOTAL RECALLABLE RESOURCES	0	0	0	0	0	0	230	230	273	273	0	0	0	0
23 CANADIAN NON-TREATY STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL RESOURCE OPTIONS	0	0	0	0	0	0	230	230	273	273	0	0	0	0

TABLE A-26

FEDERAL RESOURCE OPTIONS

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
SURPLUS POWER SALES SUBJECT TO 60-DAY RECALL UNDER PUBLIC LAW 88-552														
1 BPA TO BURBANK, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 BPA TO GLENDALE, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3 BPA TO PASADENA, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 BPA TO MSR, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 BPA TO SCE, POWER SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 FED CONTRACTS 60-DAY RECALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCHANGE ENERGY FROM PSW CAPACITY/ENERGY EXCHANGES FROM TERMINATED PSW SURPLUS POWER SALES														
7 BURBANK TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 GLENDALE TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 PASADENA TO BPA, CAP/NRG X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 MSR TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 SCE TO BPA, CAP/NRG XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 FED EXCHANGE NRG FROM PSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OPTIONAL PURCHASE RIGHTS IN PSW CAPACITY/ENERGY EXCHANGES FROM TERMINATED PSW SURPLUS POWER SALES														
13 BURBANK TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 GLENDALE TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 PASADENA TO BPA, SUPPLM NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 SCE TO BPA, SUPPLEMENTAL NRG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL SUPPLEMENTAL ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 SCE TO BPA, OPTION ENERGY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 FED RES ADDITIONS FROM PSW	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SURPLUS POWER SALES SUBJECT TO 5-YEAR RECALL UNDER PUBLIC LAW 75-329 AND PUBLIC LAW 88-552														
20 BPA TO PSP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 FED CONTRACTS 5-YEAR RECALL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 TOTAL RECALLABLE RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 CANADIAN NON-TREATY STORAGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL RESOURCE OPTIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-27

PURCHASES FROM THE BPA SYSTEM BY RATE CLASS

M E D I U M L O A D S

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941993 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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GENERATING PUBLIC UTILITIES FIRM PURCHASES

PARTNERSHIP PURCHASES														
1 DIAMOND W. P., EWEB *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SURPLUS FIRM PURCHASES														
2 BPA TO SNOH, SP PURCHASE	5	5	5	6	7	10	10	8	7	7	7	6	5	5
PRIORITY FIRM PURCHASES														
3 GEN PUB PURCHASE, PF RATE	1229	1187	1309	1711	2046	2329	2485	2462	2165	1996	1988	1696	1334	1192
TOTAL GENERATING PUBLIC UTILITIES FIRM PURCHASES														
4 TOTAL GEN PUBLIC PURCHASE	1229	1187	1309	1711	2046	2329	2485	2462	2165	1996	1988	1696	1334	1192

SMALL AND NON GENERATING PUBLIC UTILITIES FIRM PURCHASES

RESOURCE ACQUISITIONS REFLECTED AS LOAD REDUCTIONS

BILLING CREDITS														
5 CONSERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPETITIVE ACQUISITIONS														
7 CONSERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 TOTAL ACQIS AS A LOAD SUBTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 TOTAL NON GEN PUB PURCHASE	4232	4232	4223	4776	5318	5800	6124	5571	5394	5058	5058	4807	4328	4416
PARTNERSHIP PURCHASES														
10 STAYING POWER, SUB DOW *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 ELECTRIC VENTURES *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 NON GEN PUBLIC PARTNERSHIP*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW RESOURCE RATE PURCHASES														
13 DIASHOWA, NR RATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SURPLUS FIRM PURCHASES														
14 BPA TO S&NG, SP PURCH	1	1	1	1	1	2	2	2	1	1	1	1	1	1
PRIORITY FIRM PURCHASES														
15 NON GEN PUB PURCH, PF RATE	4231	4231	4222	4775	5317	5798	6122	5569	5393	5057	5057	4806	4327	4415

TOTAL PARTNERSHIP PURCHASES

16 TOTAL PARTNERSHIP PURCHASE*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL SURPLUS FIRM PURCHASE	6	6	6	7	8	12	12	10	8	8	8	7	6	6

TABLE A-27

PURCHASES FROM THE BPA SYSTEM BY RATE CLASS

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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GENERATING PUBLIC UTILITIES FIRM PURCHASES

PARTNERSHIP PURCHASES														
1 DIAMOND W. P., EWEB *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SURPLUS FIRM PURCHASES														
2 BPA TO SNOH, SP PURCHASE	5	5	5	6	7	10	10	8	7	7	7	6	5	5
PRIORITY FIRM PURCHASES														
3 GEN PUB PURCHASE, PF RATE	1461	1428	1498	1948	2328	2608	2894	2778	2459	2296	2289	1945	1538	1348
TOTAL GENERATING PUBLIC UTILITIES FIRM PURCHASES														
4 TOTAL GEN PUBLIC PURCHASE	1461	1428	1498	1948	2328	2608	2894	2778	2459	2296	2289	1945	1538	1348

SMALL AND NON GENERATING PUBLIC UTILITIES FIRM PURCHASES

RESOURCE ACQUISITIONS REFLECTED AS LOAD REDUCTIONS

BILLING CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 CONSERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GENERATION														
COMPETITIVE ACQUISITIONS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 CONSERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 TOTAL ACQIS AS A LOAD SUBTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 TOTAL NON GEN PUB PURCHASE	4614	4614	4643	5225	5735	6199	6670	6050	5853	5465	5465	5180	4658	4753
PARTNERSHIP PURCHASES														
10 STAYING POWER, SUB DOW *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 ELECTRIC VENTURES *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 NON GEN PUBLIC PARTNERSHIP*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW RESOURCE RATE PURCHASES														
13 DIASHOWA, NR RATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SURPLUS FIRM PURCHASES														
14 BPA TO S&NG, SP PURCH	1	1	1	1	1	2	2	2	2	1	1	1	1	1
PRIORITY FIRM PURCHASES														
15 NON GEN PUB PURCH, PF RATE	4613	4613	4642	5224	5734	6197	6668	6048	5851	5464	5464	5179	4657	4752

TOTAL PARTNERSHIP PURCHASES

16 TOTAL PARTNERSHIP PURCHASE*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL SURPLUS FIRM PURCHASE	6	6	6	7	8	12	12	10	9	8	8	7	6	6

TABLE A-27

PURCHASES FROM THE BPA SYSTEM BY RATE CLASS

M E D I U M L O A D S

2003- 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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GENERATING PUBLIC UTILITIES FIRM PURCHASES

PARTNERSHIP PURCHASES														
1 DIAMOND W. P., EWEB *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SURPLUS FIRM PURCHASES														
2 BPA TO SNOH, SP PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRIORITY FIRM PURCHASES														
3 GEN PUB PURCHASE, PF RATE	1711	1680	1729	2221	2788	3138	3401	3275	2878	2582	2555	2213	1719	1562
TOTAL GENERATING PUBLIC UTILITIES FIRM PURCHASES														
4 TOTAL GEN PUBLIC PURCHASE	1711	1680	1729	2221	2788	3138	3401	3275	2878	2582	2555	2213	1719	1562

SMALL AND NON GENERATING PUBLIC UTILITIES FIRM PURCHASES

RESOURCE ACQUISITIONS REFLECTED AS LOAD REDUCTIONS

BILLING CREDITS														
5 CONSERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COMPETITIVE ACQUISITIONS														
7 CONSERVATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 TOTAL ACQIS AS A LOAD SUBTR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 TOTAL NON GEN PUB PURCHASE	4883	4883	4915	5552	6161	6695	7123	6462	6255	5803	5804	5501	4954	5035
PARTNERSHIP PURCHASES														
10 STAYING POWER, SUB DOW *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 ELECTRIC VENTURES *	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 NON GEN PUBLIC PARTNERSHIP*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW RESOURCE RATE PURCHASES														
13 DIASHOWA, NR RATE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SURPLUS FIRM PURCHASES														
14 BPA TO S&NG, SP PURCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PRIORITY FIRM PURCHASES														
15 NON GEN PUB PURCH, PF RATE	4883	4883	4915	5552	6161	6695	7123	6462	6255	5803	5804	5501	4954	5035

TOTAL PARTNERSHIP PURCHASES

16 TOTAL PARTNERSHIP PURCHASE*	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL SURPLUS FIRM PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE A-28

SHEET 1 OF 2

EXTREME WEATHER ADJUSTMENT
1993 BPA LOAD FORECAST

1994-95 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
BONEVILLE POWER ADMINISTRATION														
1A FEDERAL AGENCIES	0	0	0	0	4	5	4	5	0	0	0	0	0	0
1B FEDERAL + GEN PUB LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1C USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1D DSI ALUMINUM FIRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1E DSI NON-ALUMINUM FIRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1F DSI FIRM LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 TOTAL BPA NON-UTILITY LOADS	0	0	0	0	4	5	4	5	0	0	0	0	0	0
2 CHELAN COUNTY PUD #1	0	0	0	0	34	36	37	34	0	0	0	0	0	0
3 COLOCKUM TRANSMISSION CO.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 COWLITZ COUNTY PUD #1	0	0	0	0	190	190	197	192	0	0	0	0	0	0
5 DOUGLAS COUNTY PUD #1	0	0	0	0	7	7	8	7	0	0	0	0	0	0
6 EUGENE WATER & ELEC BOARD	0	0	0	0	75	82	83	82	0	0	0	0	0	0
7 GRANT COUNTY PUD #2	0	0	0	0	60	64	69	67	0	0	0	0	0	0
8 IDAHO POWER COMPANY	0	0	0	0	265	277	284	275	0	0	0	0	0	0
9 MONTANA POWER CO. REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PACIFIC POWER & LIGHT	0	0	0	0	164	180	188	187	0	0	0	0	0	0
11 PEND OREILLE COUNTY PUD #1	0	0	0	0	19	21	21	18	0	0	0	0	0	0
12 PORTLAND GENERAL ELECTRIC	0	0	0	0	430	464	494	442	0	0	0	0	0	0
13 PUGET SOUND POWER & LIGHT	0	0	0	0	585	664	691	679	0	0	0	0	0	0
14 SEATTLE CITY LIGHT	0	0	0	0	189	191	198	189	0	0	0	0	0	0
15 SMALL & NON GEN PUBLICS	0	0	0	0	941	1022	1073	980	0	0	0	0	0	0
16 SNOHOMISH COUNTY PUD #1	0	0	0	0	260	298	285	298	0	0	0	0	0	0
17 TACOMA PUBLIC UTILITIES	0	0	0	0	198	207	209	207	0	0	0	0	0	0
18 UTAH POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 WASHINGTON WATER POWER	0	0	0	0	234	247	266	263	0	0	0	0	0	0
20 TOTAL	0	0	0	0	3655	3955	4107	3925	0	0	0	0	0	0
REGIONAL EXTREME WEATHER ADJUSTMENT														
21 FEDERAL SYSTEM	0	0	0	0	4	5	4	5	0	0	0	0	0	0
22 PUBLIC AGENCIES W/COLOCKUM	0	0	0	0	1973	2118	2180	2074	0	0	0	0	0	0
23 PRIVATE UTILITIES	0	0	0	0	1678	1832	1923	1846	0	0	0	0	0	0
24 REGIONAL FIRM LOADS	0	0	0	0	3655	3955	4107	3925	0	0	0	0	0	0

TABLE A-28

SHEET 1 OF 2

EXTREME WEATHER ADJUSTMENT
1993 BPA LOAD FORECAST1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
BONEVILLE POWER ADMINISTRATION														
1A FEDERAL AGENCIES	0	0	0	0	4	5	5	5	0	0	0	0	0	0
1B FEDERAL + GEN PUB LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1C USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1D DSI ALUMINUM FIRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1E DSI NON-ALUMINUM FIRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1F DSI FIRM LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 TOTAL BPA NON-UTILITY LOADS	0	0	0	0	4	5	5	5	0	0	0	0	0	0
2 CHELAN COUNTY PUD #1	0	0	0	0	38	40	42	39	0	0	0	0	0	0
3 COCLOCKUM TRANSMISSION CO.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 COWLITZ COUNTY PUD #1	0	0	0	0	196	194	203	197	0	0	0	0	0	0
5 DOUGLAS COUNTY PUD #1	0	0	0	0	7	7	8	7	0	0	0	0	0	0
6 EUGENE WATER & ELEC BOARD	0	0	0	0	80	87	90	88	0	0	0	0	0	0
7 GRANT COUNTY PUD #2	0	0	0	0	63	68	73	72	0	0	0	0	0	0
8 IDAHO POWER COMPANY	0	0	0	0	280	292	300	291	0	0	0	0	0	0
9 MONTANA POWER CO. REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PACIFIC POWER & LIGHT	0	0	0	0	178	197	204	204	0	0	0	0	0	0
11 PEND OREILLE COUNTY PUD #1	0	0	0	0	19	22	22	19	0	0	0	0	0	0
12 PORTLAND GENERAL ELECTRIC	0	0	0	0	430	460	494	440	0	0	0	0	0	0
13 PUGET SOUND POWER & LIGHT	0	0	0	0	650	738	759	746	0	0	0	0	0	0
14 SEATTLE CITY LIGHT	0	0	0	0	200	201	214	204	0	0	0	0	0	0
15 SMALL & NON GEN PUBLICS	0	0	0	0	1001	1078	1156	1053	0	0	0	0	0	0
16 SNOHOMISH COUNTY PUD #1	0	0	0	0	278	315	302	314	0	0	0	0	0	0
17 TACOMA PUBLIC UTILITIES	0	0	0	0	219	227	234	231	0	0	0	0	0	0
18 UTAH POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 WASHINGTON WATER POWER	0	0	0	0	235	247	267	264	0	0	0	0	0	0
20 TOTAL	0	0	0	0	3878	4178	4373	4174	0	0	0	0	0	0
REGIONAL EXTREME WEATHER ADJUSTMENT														
21 FEDERAL SYSTEM	0	0	0	0	4	5	5	5	0	0	0	0	0	0
22 PUBLIC AGENCIES W/COLOCKUM	0	0	0	0	2101	2239	2344	2224	0	0	0	0	0	0
23 PRIVATE UTILITIES	0	0	0	0	1773	1934	2024	1945	0	0	0	0	0	0
24 REGIONAL FIRM LOADS	0	0	0	0	3878	4178	4373	4174	0	0	0	0	0	0

TABLE A-28

SHEET 1 OF 2

EXTREME WEATHER ADJUSTMENT
1993 BPA LOAD FORECAST1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
BONEVILLE POWER ADMINISTRATION														
1A FEDERAL AGENCIES	0	0	0	0	4	5	5	5	0	0	0	0	0	0
1B FEDERAL + GEN PUB LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1C USBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1D DSI ALUMINUM FIRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1E DSI NON-ALUMINUM FIRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1F DSI FIRM LOSSES	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1 TOTAL BPA NON-UTILITY LOADS	0	0	0	0	4	5	5	5	0	0	0	0	0	0
2 CHELAN COUNTY PUD #1	0	0	0	0	42	45	46	43	0	0	0	0	0	0
3 COLOCKUM TRANSMISSION CO.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 COWLITZ COUNTY PUD #1	0	0	0	0	207	206	212	206	0	0	0	0	0	0
5 DOUGLAS COUNTY PUD #1	0	0	0	0	8	8	9	8	0	0	0	0	0	0
6 EUGENE WATER & ELEC BOARD	0	0	0	0	85	92	94	92	0	0	0	0	0	0
7 GRANT COUNTY PUD #2	0	0	0	0	67	72	77	75	0	0	0	0	0	0
8 IDAHO POWER COMPANY	0	0	0	0	292	304	312	298	0	0	0	0	0	0
9 MONTANA POWER CO. REGIONAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 PACIFIC POWER & LIGHT	0	0	0	0	193	213	220	220	0	0	0	0	0	0
11 PEND OREILLE COUNTY PUD #1	0	0	0	0	21	23	23	20	0	0	0	0	0	0
12 PORTLAND GENERAL ELECTRIC	0	0	0	0	447	483	519	463	0	0	0	0	0	0
13 PUGET SOUND POWER & LIGHT	0	0	0	0	705	800	819	805	0	0	0	0	0	0
14 SEATTLE CITY LIGHT	0	0	0	0	210	212	224	214	0	0	0	0	0	0
15 SMALL & NON GEN PUBLICS	0	0	0	0	1059	1148	1219	1109	0	0	0	0	0	0
16 SNOHOMISH COUNTY PUD #1	0	0	0	0	293	335	316	329	0	0	0	0	0	0
17 TACOMA PUBLIC UTILITIES	0	0	0	0	239	249	255	251	0	0	0	0	0	0
18 UTAH POWER & LIGHT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 WASHINGTON WATER POWER	0	0	0	0	238	252	272	269	0	0	0	0	0	0
20 TOTAL	0	0	0	0	4110	4447	4622	4407	0	0	0	0	0	0
REGIONAL EXTREME WEATHER ADJUSTMENT														
21 FEDERAL SYSTEM	0	0	0	0	4	5	5	5	0	0	0	0	0	0
22 PUBLIC AGENCIES W/COLOCKUM	0	0	0	0	2231	2390	2475	2347	0	0	0	0	0	0
23 PRIVATE UTILITIES	0	0	0	0	1875	2052	2142	2055	0	0	0	0	0	0
24 REGIONAL FIRM LOADS	0	0	0	0	4110	4447	4622	4407	0	0	0	0	0	0

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SECTION XVI: Monthly Capacity Analysis

DEDICATED AND NONDEDICATED RESOURCES (FOR OYs 1994-95, 1998-99, AND 2003-04)

SECTION XVI - DEDICATED AND NONDEDICATED RESOURCES (FOR OYs 1994-95, 1998-99, AND 2003-04)

Monthly Capacity Analysis

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Section XVI: Dedicated and Nondedicated Resources (for OYs 1994-95, 1998-99, and 2003-04)		
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Montana Power Company	D-2	TA-2-668
Pacific Power and Light Company	D-3	TA-2-674
Portland General Electric Company	D-4	TA-2-680
Puget Sound Power and Light Company	D-5	TA-2-686
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Public Agencies		
Chelan County PUD #1	D-7	TA-2-698
Cowlitz County PUD #1	D-8	TA-2-704
Douglas County PUD #1	D-9	TA-2-707
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Tacoma Generating Utilities	D-15	TA-2-734
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TABLE D-1

SHEET 1 OF 2

IDAHO POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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IDAHO POWER COMPANY
DEDICATED RESOURCES

HYDRO INDEPENDENTS

1 SWAN FALLS	581A	14	17	17	20	19	19	19	19	15	15	15	14	13
2 C.J. STRIKE	581A	85	85	85	85	85	85	85	85	85	85	85	85	85
3 AMERICAN FALLS	581A	81	37	12	9	20	0	0	31	51	64	53	77	79
4 BLISS	581A	75	75	75	75	75	75	75	75	75	75	75	75	75
5 LOWER SALMON	581A	68	68	68	68	68	68	68	68	68	68	68	68	68
6 UPPER SALMON 182	581A	19	19	19	19	19	19	19	19	19	19	19	19	19
7 UPPER SALMON 384	581A	17	17	17	17	17	17	17	17	17	17	17	17	17
8 SHOSHONE FALLS	581A	13	13	13	13	13	13	13	13	13	13	13	13	13
9 SPRING PLANTS	581A	27	28	30	31	31	30	30	27	28	28	27	26	26
10 TWIN FALLS	581A	7	9	6	18	16	14	11	15	4	4	2	0	0
11 MILMER	581B	0	0	0	13	10	8	7	10	0	0	0	0	0
12 CASCADE	581A	14	10	6	0	0	5	0	0	0	0	0	0	11

REGULATED HYDRO

13 HELLS CANYON	581A	184	189	385	375	277	424	450	363	354	344	450	291	315
14 OXBOW	581A	220	220	220	220	220	220	220	220	220	220	220	220	220
15 BROWNLEE	581A	675	675	675	675	675	675	675	675	675	675	675	675	675
16 TOTAL HYDRO		1499	1475	1654	1618	1540	1692	1698	1602	1628	1614	1627	1719	1616

LARGE THERMAL

17 JIM BRIDGER SHARE	581A	693	693	693	693	520	693	693	693	693	347	520	693	693
18 TOTAL THERMAL		693	693	693	693	520	693	693	693	693	347	520	693	693

OTHER RESOURCES

19 WOOD RIVER	581A	50	50	50	50	50	50	50	50	50	50	50	50	50
20 NON-UTILITY GENERATION	581B	127	127	106	76	63	44	53	57	72	103	131	142	142
21 TOTAL OTHER RESOURCES		177	177	156	126	113	94	103	107	122	153	181	192	192

EXPORTS

22 IDA TO SIERRA PAC, SLE1, 581A		-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
23 IDA TO SIERRA PAC, SLE2, 581A		-77	-77	-52	-51	-77	-77	-77	-77	-77	-77	-77	-77	-77
24 IDA TO UAMPS, SALE, 581A		-75	-75	-69	-63	-62	-69	-65	-58	-62	-62	-60	-68	-75
25 IDA TO AZUSA, BANN, CLT, 581A		-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
26 IDA TO CTY OF WASH, UT, 581A		-4	-4	-4	-4	-6	-6	-7	-5	-3	-3	-3	-4	-4
27 TOTAL EXPORTS		-179	-179	-173	-142	-142	-175	-176	-172	-163	-165	-163	-172	-179

IMPORTS

CONTRACTS OUT

28 IDA TO ORE TRAIL, SALE, 581B		-10	-10	-10	-10	-11	-10	-10	-10	-11	-10	-10	-10	0
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CONTRACTS IN

TABLE D-1 (CONTINUED)

IDAHO POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
TOTAL DEDICATED RESOURCES	2063	2039	2224	2219	1955	2250	2257	2166	2198	1846	1859	2126	2151	2180
29 ACQUIRED PRIOR TO ACT, 5B1A	117	117	96	66	65	44	51	54	71	93	93	121	132	142
30 ACQUIRED, POST ACT, 5B1B														
31 TOTAL DEDICATED RESOURCES	2180	2156	2320	2285	2020	2294	2308	2220	2269	1939	1952	2247	2283	2322
NONDEDICATED RESOURCES	242	242	242	242	242	242	242	242	242	242	242	242	242	242
32 LG THRM, VALMY	50	50	50	50	50	50	50	50	50	50	50	50	50	50
33 LG THRM, BOARDMAN SHARE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 C.O., ID TO SCL, NRG SALE	0	0	0	0	-25	-50	-50	-25	0	0	0	0	0	0
35 C.O., ID TO MPC, C/N XCHG	0	0	0	0	-78	-78	-78	-78	-78	-26	-26	-26	-26	-26
36 C.O., ID TO MPC, SALE	-26	-26	-26	-78	-78	-78	-78	-78	-78	0	0	0	0	0
37 C.O., ID TO MPC, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	75
38 C.I., SCL TO ID, NRG SALE	75	75	0	0	0	0	0	0	0	0	0	0	0	0
39 C.I., MPC TO ID, C/N XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 ENERGY MANAG SYS ID														
40 TOTAL NONDEDICATED RES	341	341	266	214	189	164	164	189	214	266	266	216	266	341
41 TOTAL RESOURCES	2521	2497	2586	2499	2209	2458	2472	2409	2483	2205	2218	2463	2549	2663

TABLE D-1 (CONTINUED)

IDAHO POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
TOTAL DEDICATED RESOURCES														
29 ACQUIRED PRIOR TO ACT, 5B1A	2062	2038	2223	2219	1954	2248	2256	2165	2197	1854	1867	2125	2227	2256
30 ACQUIRED, POST ACT, 5B1B	171	171	154	133	138	117	123	129	145	160	160	183	205	184
31 TOTAL DEDICATED RESOURCES	2233	2209	2377	2352	2092	2365	2379	2294	2342	2014	2027	2308	2432	2440
NONDEDICATED RESOURCES														
32 LG THRM, VALMY	242	242	242	242	242	242	242	242	242	121	121	242	242	242
33 LG THRM, BOARDMAN SHARE	50	50	50	50	50	50	50	50	50	50	50	0	50	50
34 C.O., ID TO SCL, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 C.O., ID TO MPC, C/N XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 C.O., ID TO MPC, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 C.I., SCL TO ID, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 C.I., MPC TO ID, C/N XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 ENERGY MANAG SYS ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 TOTAL NONDEDICATED RES	292	292	292	292	292	292	292	292	292	171	171	242	292	292
41 TOTAL RESOURCES	2525	2501	2669	2644	2384	2657	2671	2586	2634	2185	2198	2550	2724	2732

TABLE D-1

SHEET 1 OF 2

IDAHO POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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IDAHO POWER COMPANY
DEDICATED RESOURCES

HYDRO INDEPENDENTS

1 SWAN FALLS	5B1A	14	14	17	17	20	19	19	19	19	15	15	15	14	13
2 C. J. STRIKE	5B1A	85	85	85	85	85	85	85	85	85	85	85	85	85	85
3 AMERICAN FALLS	5B1A	81	55	37	12	9	20	0	31	51	64	53	77	79	79
4 BLISS	5B1A	75	75	75	75	75	75	75	75	75	75	75	75	75	75
5 LOWER SALMON	5B1A	68	68	68	68	68	68	68	68	68	68	68	68	68	68
6 UPPER SALMON 1&2	5B1A	19	19	19	19	19	19	19	19	19	19	19	19	19	19
7 UPPER SALMON 3&4	5B1A	17	17	17	17	17	17	17	17	17	17	17	17	17	17
8 SHOSHONE FALLS	5B1A	13	13	13	13	13	13	13	13	13	13	13	13	13	13
9 SPRING PLANTS	5B1A	27	28	28	30	31	31	30	27	28	28	27	26	26	26
10 TWIN FALLS	5B1A	7	7	9	6	18	16	14	11	4	4	2	0	0	0
11 MILMER	5B1B	0	0	0	0	13	10	8	7	0	0	0	0	0	0
12 CASCADE	5B1A	14	10	6	6	0	0	5	0	0	0	0	0	0	11

REGULATED HYDRO

13 HELLS CANYON	5B1A	184	189	385	375	277	423	450	363	354	344	344	450	291	315
14 OXBOW	5B1A	220	220	220	220	220	220	220	220	220	220	220	220	220	220
15 BROWNLEE	5B1A	675	675	675	675	675	675	675	675	675	675	675	675	675	675

16 TOTAL HYDRO		1499	1475	1654	1618	1540	1691	1698	1602	1628	1614	1627	1719	1580	1616
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LARGE THERMAL

17 JIM BRIDGER SHARE	5B1A	693	693	693	693	520	693	693	693	693	347	347	520	693	693
18 TOTAL THERMAL		693	693	693	693	520	693	693	693	693	347	347	520	693	693

OTHER RESOURCES

19 WOOD RIVER	5B1A	50	50	50	50	50	50	50	50	50	50	50	50	50	50
20 NON-UTILITY GENERATION	5B1B	181	181	164	143	136	117	121	128	141	166	166	189	211	190
21 TOTAL OTHER RESOURCES		231	231	214	193	186	167	171	178	191	216	216	239	261	240

EXPORTS

22 IDA TO SIERRA PAC, SLE1, 5B1A		0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 IDA TO SIERRA PAC, SLE2, 5B1A		0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 IDA TO UAMPS, SALE, 5B1A		-75	-75	-69	-63	-62	-69	0	0	0	0	0	0	0	0
25 IDA TO AZUSA, BANN, CLT, 5B1A		-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
26 IDA TO CTY OF WASH, UT, 5B1A		0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 TOTAL EXPORTS		-82	-82	-76	-70	-69	-76	-7	-7	-7	-7	-7	-7	-7	-7

IMPORTS

CONTRACTS OUT

28 IDA TO ORE TRAIL, SALE, 5B1B		0	0	0	0	0	0	0	0	0	0	0	0	0	0
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CONTRACTS IN

TABLE D-1 (CONTINUED)

IDAHO POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
TOTAL DEDICATED RESOURCES														
29 ACQUIRED PRIOR TO ACT, 5B1A	2160	2136	2321	2291	2028	2348	2426	2331	2354	2004	2017	2282	2316	2352
30 ACQUIRED, POST ACT, 5B1B	181	181	164	143	149	127	129	135	151	166	166	189	211	190
31 TOTAL DEDICATED RESOURCES	2341	2317	2485	2434	2177	2475	2555	2466	2505	2170	2183	2471	2527	2542
NONDEDICATED RESOURCES														
32 LG THRM, VALMY	242	242	242	242	242	242	242	242	242	121	121	242	242	242
33 LG THRM, BOARDMAN SHARE	50	50	50	50	50	50	50	50	50	50	50	0	50	50
34 C.O., ID TO SCL, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 C.O., ID TO MPC, C/N XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 C.O., ID TO MPC, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 C.I., SCL TO ID, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 C.I., MPC TO ID, C/N XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 ENERGY MANAG SYS ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40 TOTAL NONDEDICATED RES	292	292	292	292	292	292	292	292	292	171	171	242	292	292
41 TOTAL RESOURCES	2633	2609	2777	2726	2469	2767	2847	2758	2797	2341	2354	2713	2819	2834

TABLE D-2

MONTANA POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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MONTANA POWER COMPANY
DEDICATED RESOURCES

HYDRO INDEPENDENTS														
1	MYSTIC LAKE	5B1A	3	3	1	2	1	2	1	0	1	1	0	3
2	BLACK EAGLE	5B1A	4	4	2	2	2	3	2	3	3	5	2	5
3	HOLTER	5B1A	9	9	9	6	5	5	9	9	6	9	15	9
4	HAUSER	5B1A	4	4	3	2	2	3	3	3	3	5	3	4
5	MILLTOWN & FLINTCREEK	5B1A	1	1	1	1	1	0	0	0	1	1	1	1
6	MADISON	5B1A	2	2	2	2	1	1	2	1	1	1	2	2
7	RAINBOW	5B1A	6	6	6	6	4	5	6	7	5	7	11	7
8	COCHRANE	5B1A	12	12	10	4	5	6	6	7	8	13	9	11
9	RYAN	5B1A	14	14	11	8	8	10	11	11	18	11	11	14
10	MORONY	5B1A	12	12	9	5	5	6	7	7	9	14	8	11
11	HEBGEN	5B1B	0	0	0	0	0	0	0	0	0	0	0	0
REGULATED HYDRO														
12	KERR	5B1A	37	37	28	24	21	23	26	27	23	26	44	35
13	THOMPSON FALLS	5B1A	10	10	7	6	6	6	7	8	6	16	25	20
14	TOTAL HYDRO		114	114	89	68	61	70	82	82	72	95	153	122
LARGE THERMAL														
15	COLSTRIP 1&2 SHARE	5B1A	77	77	59	51	44	49	57	60	51	31	99	74
16	COLSTRIP 3 SHARE	5B1B	53	53	40	35	30	33	39	41	35	42	0	51
17	TOTAL THERMAL		130	130	99	86	74	82	96	101	86	73	99	125
OTHER RESOURCES														
18	BIRD, SMALL THERMAL	5B1B	0	0	0	0	8	9	10	11	0	0	0	0
19	NON-UTILITY GEN	5B1B	11	11	8	8	6	7	8	8	8	9	15	23
20	TOTAL OTHER RESOURCES		11	11	8	8	14	16	18	19	8	9	15	23
EXPORTS														
IMPORTS														
CONTRACTS OUT														
21	MPC TO ID, SEAS PWR X	5B1B	-75	-75	0	0	0	0	0	0	0	0	0	-75
22	MPC TO BPA,C/N XCHG	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
23	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
24	TOTAL CONTRACTS OUT		-75	-75	0	0	0	0	0	0	0	0	0	-75

TABLE D-2 (CONTINUED)

MONTANA POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
25 IDA TO MPC SEA PWR XCH 5B1B	0	0	0	0	25	50	50	25	0	0	0	0	0	0
26 IDA TO MPC, PWR SALE 5B1B	26	26	26	78	78	78	78	78	78	26	26	26	26	26
27 BPA TO MPC, WNP1 OBL 5B1B	77	77	77	77	77	77	77	77	77	77	77	77	77	77
28 BPA TO MPC, C/N XCHG 5B1A	100	100	100	100	100	100	100	100	100	100	100	100	100	100
29 TOTAL CONTRACTS IN 7731 7734	177	177	177	177	177	177	177	177	177	177	177	177	177	177
TOTAL DEDICATED RESOURCES														
30 ACQUIRED PRIOR TO ACT, 5B1A	291	291	248	220	205	219	239	242	222	226	352	220	247	296
31 ACQUIRED, POST ACT, 5B1B	92	92	151	198	224	254	262	240	198	154	118	152	158	102
32 TOTAL DEDICATED RESOURCES	383	383	399	418	429	473	501	482	420	380	470	372	405	398
NONDEDICATED RESOURCES														
33 REG HYDRO, KERR	2	2	2	2	1	1	2	2	1	2	3	2	2	2
34 LG THRM, COL4 50% SLD TO LA	218	218	218	218	218	218	218	218	218	218	0	218	218	218
35 EXPORT, MPC TO LA, PWR SALE	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111
36 SM TH & MISC, CORRETTE	38	38	29	25	21	24	28	29	25	30	49	29	0	36
37 C.O., MPC TO BPA, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 C.O., MPC TO PP&L, PWR SALE	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
39 C.O., MPC TO PSP&L, PWR S	-94	-94	-94	-94	-94	-94	-94	-94	-94	0	0	-94	-94	-94
40 C.O., MPC TO WWP, PWR SALE	0	0	-25	-25	-25	0	0	0	0	0	0	0	0	0
41 TOTAL NONDEDICATED RES	43	43	9	5	0	28	33	34	29	129	-69	34	5	41
42 TOTAL RESOURCES	426	426	408	423	429	501	534	516	449	509	401	406	410	439

TABLE D-2

MONTANA POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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MONTANA POWER COMPANY
DEDICATED RESOURCES

HYDRO INDEPENDENTS															
1	MYSTIC LAKE	5B1A	3	3	1	3	2	3	2	1	1	1	0	0	3
2	BLACK EAGLE	5B1A	5	5	3	4	4	5	5	4	5	6	3	4	5
3	HOLTER	5B1A	9	9	12	9	9	11	16	14	10	12	17	8	12
4	HAUSER	5B1A	4	4	4	4	4	5	5	5	4	6	4	4	4
5	MILLTOWN & FLINTCREEK	5B1A	1	1	1	1	1	1	1	1	0	1	1	1	1
6	MADISON	5B1A	2	2	2	2	2	2	2	3	2	1	2	2	2
7	RAINBOW	5B1A	6	6	8	9	7	10	10	11	8	9	12	8	7
8	COCHRANE	5B1A	12	12	12	7	8	11	10	10	11	10	15	12	13
9	RYAN	5B1A	14	14	14	12	14	18	19	18	16	15	21	15	14
10	MORONY	5B1A	11	11	11	8	9	12	15	11	11	12	17	10	11
11	HEBGEN	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULATED HYDRO															
12	KERR	5B1A	36	36	35	38	36	43	45	43	35	35	51	36	36
13	THOMPSON FALLS	5B1A	20	20	20	21	21	25	27	26	22	22	30	20	20
14	TOTAL HYDRO		123	123	123	118	117	146	157	147	125	126	180	119	122
LARGE THERMAL															
15	COLSTRIP 1&2 SHARE	5B1A	76	76	74	79	77	94	100	98	81	40	115	39	74
16	COLSTRIP 3 SHARE	5B1B	52	52	50	54	53	64	68	67	55	55	0	53	51
17	TOTAL THERMAL		128	128	124	133	130	158	168	165	136	95	115	92	125
OTHER RESOURCES															
18	BIRD, SMALL THERMAL	5B1B	0	0	0	0	14	18	19	18	15	15	22	15	14
19	NON-UTILITY GEN	5B1B	23	23	23	25	24	29	30	30	25	25	36	24	23
20	TOTAL OTHER RESOURCES		23	23	23	25	38	47	49	48	40	40	58	39	37
EXPORTS															
IMPORTS															
CONTRACTS OUT															
21	MPC TO ID, SEAS PWR X	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0
22	MPC TO BPA,C/N XCHG	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
23	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
24	TOTAL CONTRACTS OUT		0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE D-2 (CONTINUED)

MONTANA POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15 16-31	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15 16-30	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
25 IDA TO MPC SEA PWR XCH 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 IDA TO MPC, PWR SALE 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 IDA TO MPC, PWR SALE 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 BPA TO MPC, MNPI OBL 5B1B	100	100	100	100	100	100	100	100	100	100	100	100	100	100
28 BPA TO MPC, C/N XCHG 5B1A	100	100	100	100	100	100	100	100	100	100	100	100	100	100
29 TOTAL CONTRACTS IN 7731 7734	100	100	100	100	100	100	100	100	100	100	100	100	100	100
TOTAL DEDICATED RESOURCES	298	298	297	297	294	340	357	346	305	266	395	258	297	296
30 ACQUIRED PRIOR TO ACT, 5B1A	75	75	73	79	91	111	117	115	95	95	58	92	88	88
31 ACQUIRED, POST ACT, 5B1B	373	373	370	376	385	451	474	461	400	361	453	350	385	384
32 TOTAL DEDICATED RESOURCES	298	298	297	297	294	340	357	346	305	266	395	258	297	296
NONDEDICATED RESOURCES	2	2	2	2	2	2	2	2	2	2	2	2	2	2
33 REG HYDRO, KERR	218	218	218	218	218	218	218	218	218	218	218	218	218	218
34 LG THRM, COL4 50% SLD TO LA	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111
35 EXPORT, MPC TO LA, PWR SALE	37	37	36	39	38	46	49	48	40	40	56	38	0	37
36 SM TH & MISC, CORRETTE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 C.O., MPC TO BPA, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 C.O., MPC TO PP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 C.O., MPC TO PSP&L, PWR S	-94	-94	-94	-94	-94	-94	-94	-94	-94	0	0	-94	-94	-94
40 C.O., MPC TO WMP, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 TOTAL NONDEDICATED RES	52	52	51	54	53	62	65	64	55	149	-52	53	15	52
42 TOTAL RESOURCES	425	425	421	430	438	513	539	525	455	510	401	403	400	436

TABLE D-2

SHEET 1 OF 2

MONTANA POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
MONTANA POWER COMPANY														
DEDICATED RESOURCES														
HYDRO INDEPENDENTS														
1 MYSTIC LAKE	3	3	2	4	3	4	2	1	2	1	2	0	0	4
2 BLACK EAGLE	6	6	4	7	5	7	7	5	6	6	7	5	6	6
3 HOLTER	11	11	16	14	11	14	20	18	13	17	22	12	16	11
4 HAUSER	5	5	5	6	6	6	7	7	6	6	7	6	5	5
5 MILLTOWN & FLINTCREEK	1	1	1	1	1	1	1	1	0	1	2	1	2	2
6 MADISON	2	2	2	3	3	3	3	3	3	1	2	3	3	3
7 RAINBOW	8	8	11	12	10	12	13	14	11	12	16	11	10	10
8 COCHRANE	16	16	17	14	11	14	13	13	14	14	19	16	18	15
9 RYAN	18	18	19	24	19	24	24	23	20	20	27	20	19	19
10 MORONY	15	15	15	15	12	15	18	14	15	16	21	15	15	15
11 HEBGEN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULATED HYDRO														
12 KERR	45	45	47	55	47	55	56	55	46	48	65	49	47	47
13 THOMPSON FALLS	26	26	27	32	27	32	33	34	29	29	38	27	27	27
14 TOTAL HYDRO	156	156	166	187	155	187	197	188	165	171	228	165	168	164
LARGE THERMAL														
15 COLSTRIP 1&2 SHARE	96	96	99	105	102	120	126	126	107	55	146	54	102	100
16 COLSTRIP 3 SHARE	66	66	68	82	70	82	86	86	73	75	0	73	69	68
17 TOTAL THERMAL	162	162	167	177	172	202	212	212	180	130	146	127	171	168
OTHER RESOURCES														
18 BIRD, SMALL THERMAL	18	18	0	0	19	22	24	24	20	21	27	20	19	19
19 NON-UTILITY GEN	29	29	31	33	32	37	38	38	33	35	46	34	32	31
20 TOTAL OTHER RESOURCES	47	47	31	33	51	59	62	62	53	56	73	54	51	50
EXPORTS														
IMPORTS														
CONTRACTS OUT														
21 MPC TO ID, SEAS PWR X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 MPC TO BPA,C/N XCHG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL CONTRACTS OUT	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE D-2 (CONTINUED)

MONTANA POWER COMPANY
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS	2003- 4 OPERATING YEAR													
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
25 IDA TO MPC SEA PWR XCH 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 IDA TO MPC, PWR SALE 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 BPA TO MPC,WNP1 OBL 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 BPA TO MPC,C/N XCHG 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 TOTAL CONTRACTS IN 7731 7734	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEDICATED RESOURCES														
30 ACQUIRED PRIOR TO ACT, 5B1A	252	252	265	261	257	307	323	313	272	226	374	219	270	264
31 ACQUIRED, POST ACT, 5B1B	113	113	99	105	121	141	148	148	126	131	73	127	120	118
32 TOTAL DEDICATED RESOURCES	365	365	364	366	378	448	471	461	398	357	447	346	390	382
NONDEDICATED RESOURCES														
33 REG HYDRO, KERR	3	3	3	3	3	3	4	3	3	3	4	3	3	3
34 LG THRM, COL4 50% SLD TO LA	218	218	218	218	218	218	218	218	218	218	0	218	218	218
35 EXPORT, MPC TO LA, PWR SALE	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111	-111
36 SM TH & MISC, CORRETTE	47	47	49	52	50	59	61	61	53	54	72	53	0	49
37 C.O., MPC TO BPA, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 C.O., MPC TO PP&L, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 C.O., MPC TO PSP&L, PWR S	-94	-94	-94	-94	-94	-94	-94	-94	-94	0	0	-94	-94	-94
40 C.O., MPC TO WWP, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 TOTAL NONDEDICATED RES	63	63	65	68	66	75	78	77	69	164	-35	69	16	65
42 TOTAL RESOURCES	428	428	429	434	444	523	549	538	467	521	412	415	406	447

TABLE D-3

SHEET 1 OF 2

PACIFIC POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1990 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PACIFIC POWER & LIGHT DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
1	NORTH UMPQUA	5B1A	175	175	175	175	175	175	175	175	175	175	175	175	175
2	ROGUE	5B1A	30	30	26	27	24	41	52	51	51	51	50	39	26
3	KLAMATH	5B1A	92	92	92	92	92	92	92	92	92	92	92	92	92
4	CNDT, SM PLTS & BIG FK	5B1A	34	34	34	35	36	35	36	36	37	37	36	37	36
5	USBR GREENSPRINGS	5B1A	18	18	18	18	18	18	18	18	18	18	18	18	18
6	FELT	5B1A	2	2	2	1	1	1	1	1	1	1	1	1	1
REGULATED HYDRO															
7	WELLS DED SHARE	5B1A	60	60	60	60	60	60	60	60	60	60	60	60	60
8	ROCKY REACH SHARE	5B1A	69	69	69	69	69	69	69	69	69	69	69	69	69
9	WANAPUM SHARE	5B1A	170	170	170	170	170	170	170	170	170	170	170	170	170
10	PRIEST RAPIDS SHARE	5B1A	125	125	125	125	125	125	125	125	125	125	125	125	125
11	PELTON REREG DED SHARE	5B1B	10	10	11	9	9	15	9	11	10	8	10	10	10
12	SWIFT 1 SHARE	5B1A	196	173	195	186	169	155	147	152	165	167	0	195	187
13	SWIFT 2 SHARE	5B1A	43	43	47	52	52	52	52	56	56	52	0	44	43
14	YALE	5B1A	133	133	133	129	129	129	129	118	112	129	133	133	133
15	MERWIN	5B1A	146	144	132	122	122	122	122	122	125	126	125	125	126
16	TOTAL HYDRO		1303	1278	1289	1270	1251	1271	1245	1264	1269	1268	1280	1064	1271
LARGE THERMAL															
17	CENTRALIA SHARE	5B1A	622	622	622	622	622	622	622	622	622	622	311	622	622
18	COLSTRIP 3 SHARE	5B1B	72	72	73	73	73	73	73	73	73	0	73	73	73
19	COLSTRIP 4 SHARE	5B1B	73	73	73	73	73	73	73	73	73	0	73	73	73
20	TOTAL LARGE THERMAL		767	767	768	768	768	768	768	768	768	622	457	768	768
OTHER RESOURCES															
21	NON-UTILITY GEN	5B1B	51	51	50	48	51	52	34	55	50	54	54	64	53
22	TOTAL OTHER RESOURCES		51	51	50	48	51	52	34	55	50	54	54	64	53
EXPORTS															
IMPORTS															
23	PP&L (WYO) TO PP&L	5B1A	1400	1400	1014	1174	1066	1280	1301	1321	1378	1095	1095	1560	1365
24	TOTAL IMPORTS		1400	1400	1014	1174	1066	1280	1301	1321	1378	1095	1095	1560	1365
CONTRACTS OUT															
25	CANADIAN ENTIT (CSPE)	5B1A	-19	-19	-19	-19	-19	-19	-19	-19	-16	-16	-16	-16	-16
26	CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
27	TOTAL CONTRACTS OUT		-19	-19	-19	-19	-19	-19	-19	-19	-16	-16	-16	-16	-16

TABLE D-3 (CONTINUED)

SHEET 2 OF 2

PACIFIC POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
28 RESTORATION 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 CSPE PURCHASE 5B1A	67	67	67	67	67	67	67	67	67	57	57	57	57	57
30 SUPPLEMENTAL CAPACITY 5B1A	38	38	38	38	38	38	38	38	38	32	32	32	32	32
31 PGE TO PP&L, COVE REP 5B1A	3	3	3	3	3	3	3	3	3	3	3	3	3	3
32 BPA TO PP&L, BRDG CAP S 5B1B	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
33 BPA TO PP&L, WNP1 OBLIG 5B1B	80	80	80	80	80	80	80	80	80	80	80	80	80	80
34 BPA TO PP&L, WNP3 STLE 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35 WWP TO PP&L, SANDPOINT 5B1A	4	4	4	4	5	5	5	5	4	4	4	4	4	4
36 TOTAL CONTRACTS IN	1292	1292	1292	1292	1293	1293	1293	1293	1292	1276	1276	1276	1276	1276
TOTAL DEDICATED RESOURCES														
37 ACQUIRED PRIOR TO ACT, 5B1A	3408	3383	3007	3150	3024	3252	3253	3290	3351	3055	3069	3005	3504	3328
38 ACQUIRED, POST ACT, 5B1B	1386	1386	1387	1383	1386	1393	1369	1392	1387	1390	1242	1400	1389	1388
39 TOTAL DEDICATED RESOURCES	4794	4769	4394	4533	4410	4645	4622	4682	4738	4445	4311	4405	4893	4716
NONDEDICATED RESOURCES														
40 M HYDRO, WELLS NO SHARE	5	5	5	5	5	5	5	5	5	5	5	5	5	5
41 EXP, PP&L TO PP&L N.CAL, PS	-15	-15	48	37	25	5	1	26	29	32	32	23	15	-32
42 EXP, PP&L TO PG&E, PWR SALE	-80	-80	-80	-80	-100	-100	-100	-100	-100	-80	-80	-80	-80	-80
43 EXP, PP&L TO SMUD, PWR SALE	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
44 EXP, PP&L TO SCE, PWR SALE	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
45 EXP, PP&L TO CA DPT WTR RES	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
46 EXP, PP&L TO WAPA, PWR SALE	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175
47 CONT OUT, PP&L TO BPA, WP3 S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 CONT OUT, PP&L TO CHL, C/N X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 CONT OUT, PP&L TO PSP&L, PS2	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
50 CONT IN, BPA TO PP&L, SO ID	13	13	42	108	161	215	189	145	117	90	90	0	18	34
51 CONT IN, GRANT TO PP&L, PS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
52 CONT IN, CHL TO PP&L, C/N X	103	103	103	103	103	103	103	103	103	103	103	103	103	103
53 CONT IN, MPC TO PP&L, SALE	10	10	10	10	10	10	10	10	10	10	10	10	10	10
54 CONT IN, WWP TO PP&L, PS	150	150	150	150	150	150	150	150	150	150	150	150	150	150
55 TOTAL NONDEDICATED RES	-475	-475	-383	-328	-307	-273	-303	-322	-347	-351	-351	-450	-440	-471
56 TOTAL RESOURCES	4319	4294	4011	4205	4103	4372	4319	4360	4391	4094	3960	3955	4453	4245

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TABLE D-3

PACIFIC POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL

PACIFIC POWER & LIGHT
DEDICATED RESOURCES

HYDRO INDEPENDENTS
1 NORTH UMPQUA

2 ROGUE

3 KLAMATH

4 CNDT, SM PLTS & BIG FK

5 USBR GREENSPRINGS

6 FELT

5B1A	175	175	175	175	175	175	175	175	175	175	175	175	175	175
5B1A	30	30	26	27	24	52	41	52	51	51	51	50	39	26
5B1A	92	92	92	92	92	92	92	92	92	92	92	92	92	92
5B1A	34	34	34	35	36	36	35	36	36	37	37	36	37	36
5B1A	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5B1A	2	2	2	1	1	1	1	1	1	1	1	1	1	1

REGULATED HYDRO

7 WELLS DED SHARE

8 ROCKY REACH SHARE

9 WANAPUM SHARE

10 PRIEST RAPIDS SHARE

11 PELTON REREG DED SHARE

12 SWIFT 1 SHARE

13 SWIFT 2 SHARE

14 YALE

15 MERWIN

5B1A	60	60	60	60	60	60	60	60	60	60	60	60	60	60
5B1A	69	69	69	69	69	69	69	69	69	69	69	69	69	69
5B1A	170	170	170	170	170	170	170	170	170	170	170	170	170	170
5B1A	125	125	125	125	125	125	125	125	125	125	125	125	125	125
5B1B	10	10	11	9	9	15	9	11	11	10	8	10	10	10
5B1A	196	173	195	186	169	155	147	152	165	167	167	0	195	187
5B1A	43	43	47	52	52	52	52	52	56	56	52	0	44	43
5B1A	133	133	129	124	124	124	124	124	113	105	122	133	133	133
5B1A	148	147	145	144	144	144	143	144	143	147	148	147	147	147
16 TOTAL HYDRO	1305	1281	1298	1287	1268	1288	1261	1281	1285	1283	1295	1086	1315	1292

LARGE THERMAL

17 CENTRALIA SHARE

18 COLSTRIP 3 SHARE

19 COLSTRIP 4 SHARE

5B1A	622	622	622	622	622	622	622	622	622	622	622	311	311	622
5B1B	73	73	73	73	72	73	73	73	73	73	0	73	73	73
5B1B	72	72	73	73	73	73	73	73	73	73	0	73	73	73
20 TOTAL LARGE THERMAL	767	767	768	768	767	768	768	768	768	768	622	457	457	768

OTHER RESOURCES

21 NON-UTILITY GEN

22 TOTAL OTHER RESOURCES

5B1B	51	51	49	48	51	51	34	55	50	54	54	64	53	52
51	51	51	49	48	51	51	34	55	50	54	54	64	53	52

EXPORTS

IMPORTS

23 PP&L (WYO) TO PP&L

24 TOTAL IMPORTS

5B1A	1172	1172	690	699	587	1047	1063	1103	941	881	881	1349	1307	1151
1172	1172	690	699	587	587	1047	1063	1103	941	881	881	1349	1307	1151

CONTRACTS OUT

25 CANADIAN ENTITL (CSPE)

26 CANADIAN ENTITL (CAN)

5B1A	-10	-10	-10	-10	-10	-10	-10	-10	-10	-6	-6	-6	-6	-6
5B1A	-5	-5	-5	-5	-5	-5	-5	-5	-5	-22	-22	-22	-22	-22
-15	-15	-15	-15	-15	-15	-15	-15	-15	-15	-28	-28	-28	-28	-28
27 TOTAL CONTRACTS OUT	-15	-15	-15	-15	-15	-15	-15	-15	-15	-28	-28	-28	-28	-28

TABLE D-3 (CONTINUED)

SHEET 2 OF 2

PACIFIC POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
28 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 CSPE PURCHASE	42	42	42	42	42	42	42	42	42	20	20	20	20	20
30 SUPPLEMENTAL CAPACITY	20	20	20	20	20	20	20	20	20	12	12	12	12	12
31 PGE TO PP&L, COVE REP	3	3	3	3	3	3	3	3	3	3	3	3	3	3
32 BPA TO PP&L, BRDG CAP S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 BPA TO PP&L, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 BPA TO PP&L, WNP3 STLE	0	0	0	0	164	164	164	164	82	82	82	0	0	0
35 WWP TO PP&L, SANDPOINT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 TOTAL CONTRACTS IN	65	65	65	65	229	229	229	229	147	117	117	35	35	35
TOTAL DEDICATED RESOURCES														
37 ACQUIRED PRIOR TO ACT, SBIA	3139	3115	2649	2649	2518	2992	2987	3045	2887	2783	2797	2743	2930	3062
38 ACQUIRED, POST ACT, SBIB	206	206	206	203	369	376	353	376	289	292	144	220	209	208
39 TOTAL DEDICATED RESOURCES	3345	3321	2855	2852	2887	3368	3340	3421	3176	3075	2941	2963	3139	3270
NONDEDICATED RESOURCES														
40 M HYDRO, WELLS ND SHARE	5	5	5	5	5	5	5	5	5	5	5	5	5	5
41 EXP, PP&L TO PP&L N.CAL, PS	-19	-19	45	34	22	1	-4	21	25	27	27	18	10	-37
42 EXP, PP&L TO PG&E, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 EXP, PP&L TO SMUD, PWR SALE	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
44 EXP, PP&L TO SCE, PWR SALE	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
45 EXP, PP&L TO CA OPT WTR RES	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
46 EXP, PP&L TO WAPA, PWR SALE	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175
47 CONT OUT, PP&L TO BPA, WNP3 S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 CONT OUT, PP&L TO CHL, C/N X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 CONT OUT, PP&L TO PSP&L, PS2	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200	-200
50 CONT IN, BPA TO PP&L, SO ID	13	13	42	108	161	215	189	145	117	89	89	0	18	34
51 CONT IN, GRANT TO PP&L, PS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
52 CONT IN, CHL TO PP&L, C/N X	103	103	103	103	103	103	103	103	103	103	103	103	103	103
53 CONT IN, MPC TO PP&L, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 CONT IN, WWP TO PP&L, PS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 TOTAL NONDEDICATED RES	-559	-559	-466	-411	-370	-337	-368	-387	-411	-437	-437	-535	-525	-556
56 TOTAL RESOURCES	2786	2762	2389	2441	2517	3031	2972	3034	2765	2638	2504	2428	2614	2714

TABLE D-3

SHEET 1 OF 2

PACIFIC POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTSPACIFIC POWER & LIGHT
DEDICATED RESOURCES

HYDRO INDEPENDENTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 NORTH UMPQUA	5B1A	175	175	175	175	175	175	175	175	175	175	175	175	175	175
2 ROGUE	5B1A	30	30	26	27	24	52	41	52	51	51	51	50	39	26
3 KLAMATH	5B1A	92	92	92	92	92	92	92	92	92	92	92	92	92	92
4 CNDT, SM PLTS & BIG FK	5B1A	34	34	34	35	36	36	35	36	36	37	37	36	37	36
5 USBR GREENSPRINGS	5B1A	18	18	18	18	18	18	18	18	18	18	18	18	18	18
6 FELT	5B1A	2	2	2	1	1	1	1	1	1	1	1	1	1	1

REGULATED HYDRO

7 WELLS DED SHARE	5B1A	60	60	60	60	60	60	60	60	60	60	60	60	60	60
8 ROCKY REACH SHARE	5B1A	69	69	69	69	69	69	69	69	69	69	69	69	69	69
9 WANAPUM SHARE	5B1A	170	170	170	170	170	170	170	170	170	170	170	170	170	170
10 PRIEST RAPIDS SHARE	5B1A	125	125	125	125	125	125	125	125	125	125	125	125	125	125
11 PELTON REREG DED SHARE	5B1B	10	10	11	9	9	15	9	11	11	10	8	10	10	10
12 SWIFT 1 SHARE	5B1A	196	173	195	186	169	155	147	152	165	167	167	0	195	187
13 SWIFT 2 SHARE	5B1A	43	43	47	52	52	52	52	52	56	56	52	0	44	43
14 YALE	5B1A	133	133	129	124	124	124	124	124	113	105	122	133	133	133
15 MERWIN	5B1A	148	147	145	144	144	144	143	144	143	147	148	147	147	147
16 TOTAL HYDRO		1305	1281	1298	1287	1268	1288	1261	1281	1285	1283	1295	1086	1315	1292

LARGE THERMAL

17 CENTRALIA SHARE	5B1A	622	622	622	622	622	622	622	622	622	622	622	311	622	622
18 COLSTRIP 3 SHARE	5B1B	73	73	73	73	73	73	73	73	73	73	0	73	73	73
19 COLSTRIP 4 SHARE	5B1B	73	73	73	73	72	73	73	73	73	73	0	73	73	73
20 TOTAL LARGE THERMAL		768	768	768	768	767	768	768	768	768	768	622	457	768	768

OTHER RESOURCES

21 NON-UTILITY GEN	5B1B	51	51	49	48	51	51	34	55	50	54	54	64	53	52
22 TOTAL OTHER RESOURCES		51	51	49	48	51	51	34	55	50	54	54	64	53	52

EXPORTS

IMPORTS

23 PP&L (WYO) TO PP&L	5B1A	1036	1036	662	823	1050	906	915	955	1016	741	741	1213	1167	1007
24 TOTAL IMPORTS		1036	1036	662	823	1050	906	915	955	1016	741	741	1213	1167	1007

CONTRACTS OUT

25 CANADIAN ENTIT (CSPE)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 CANADIAN ENTITL (CAN)	5B1A	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39
27 TOTAL CONTRACTS OUT		-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39

TABLE D-3 (CONTINUED)

SHEET 2 OF 2

PACIFIC POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
28 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 SUPPLEMENTAL CAPACITY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 PGE TO PP&L, COVE REP	3	3	3	3	3	3	3	3	3	3	3	3	3	3
32 BPA TO PP&L, BROG CAP S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 BPA TO PP&L, WNP1 OBLIG	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34 BPA TO PP&L, WNP3 STLE	0	0	0	0	164	164	164	164	82	82	82	0	0	0
35 WMP TO PP&L, SANDPOINT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 TOTAL CONTRACTS IN	3	3	3	3	167	167	167	167	85	85	85	3	3	3
TOTAL DEDICATED RESOURCES														
37 ACQUIRED PRIOR TO ACT, 5B1A	2917	2893	2535	2687	2895	2765	2753	2811	2876	2600	2614	2564	3058	2875
38 ACQUIRED, POST ACT, 5B1B	207	207	206	203	369	376	353	376	289	292	144	220	209	208
39 TOTAL DEDICATED RESOURCES	3124	3100	2741	2890	3264	3141	3106	3187	3165	2892	2758	2784	3267	3083
NONDEDICATED RESOURCES														
40 M HYDRO, WELLS ND SHARE	5	-28	5	5	5	-10	5	5	5	5	5	5	5	5
41 EXP, PP&L TO PP&L N.CAL, PS	-28	-28	38	25	12	0	-14	12	16	19	19	9	0	-47
42 EXP, PP&L TO PG&E, PWR SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 EXP, PP&L TO SMUD, PWR SALE	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
44 EXP, PP&L TO SCE, PWR SALE	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
45 EXP, PP&L TO CA DPT WTR RES	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
46 EXP, PP&L TO WAPA, PWR SALE	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175	-175
47 CONT OUT, PP&L TO BPA, WNP3 S	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 CONT OUT, PP&L TO CHL, C/N X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 CONT OUT, PP&L TO PSP&L, PS2	-200	-200	-200	-200	0	0	0	0	0	0	0	0	0	0
50 CONT IN, BPA TO PP&L, SO ID	13	13	42	108	161	215	189	145	117	89	89	0	18	34
51 CONT IN, GRANT TO PP&L, PS	14	14	14	14	14	14	14	14	14	14	14	14	14	14
52 CONT IN, CHL TO PP&L, C/N X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 CONT IN, MPC TO PP&L, SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 CONT IN, WMP TO PP&L, PS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 TOTAL NONDEDICATED RES	-671	-671	-576	-523	-283	-251	-281	-299	-323	-348	-348	-447	-438	-469
56 TOTAL RESOURCES	2453	2429	2165	2367	2981	2890	2825	2888	2842	2544	2410	2337	2829	2614

TABLE D-4

SHEET 1 OF 2

PORTLAND GENERAL ELECTRIC
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

PORTLAND GENERAL ELECTRIC
DEDICATED RESOURCES

HYDRO INDEPENDENTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 BULL RUN	5B1A	22	22	22	22	22	22	22	22	22	22	22	22	22	22
2 TW SULLIVAN	5B1A	14	14	14	14	14	14	14	14	14	14	14	14	14	13

REGULATED HYDRO

3 ROUND BUTTE	5B1A	300	300	300	300	300	300	300	300	300	300	300	300	300	300
4 PELTON	5B1A	108	108	108	108	108	108	108	108	108	108	108	108	108	108
5 OAK GROVE	5B1A	45	45	45	45	45	45	45	45	45	45	45	45	45	45
6 NORTH FORK	5B1A	54	54	54	54	54	54	54	54	54	54	54	54	54	54
7 FARADAY	5B1A	43	43	43	43	43	43	43	43	43	43	43	43	43	43
8 RIVER MILL	5B1A	23	23	23	23	23	23	23	23	23	23	23	23	23	23
9 PRIEST RAPIDS SHARE	5B1A	125	125	125	125	125	125	125	125	125	125	125	125	125	125
10 WANAPUM SHARE	5B1A	170	170	170	170	170	170	170	170	170	170	170	170	170	170
11 ROCKY REACH SHARE	5B1A	156	156	156	156	156	156	156	156	156	156	156	156	156	156
12 WELLS SHARE	5B1A	191	191	191	191	191	191	191	191	191	191	191	191	191	191

13 TOTAL HYDRO		1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1250
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LARGE THERMAL

14 CENTRALIA SHARE	5B1A	33	33	33	33	33	33	33	33	33	33	33	16	33	33
15 TOTAL THERMAL		33	33	33	33	33	33	33	33	33	33	33	16	33	33

OTHER RESOURCES

16 SM TH&MISC, SUMMIT 1&2	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
17 NON-UTILITY GENERATION	5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18 C.T., BETHEL	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19 C.T., BEAVER	5B1A	76	76	77	79	81	82	83	82	81	80	80	79	77	76
20 COGEN, COYOTE SPRINGS	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0

21 TOTAL OTHER RESOURCES		87	87	88	90	92	93	94	93	92	90	90	89	88	87
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EXPORTS

IMPORTS

22 SCE TO PGE, SEA PWR XCH	5B1B	0	0	0	0	225	225	225	225	0	0	0	0	0	0
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CONTRACTS OUT

23 PGE TO PP&L, COVE REP	5B1A	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
24 CANADIAN ENTIT (CSPE)	5B1A	-27	-27	-27	-27	-27	-27	-27	-27	-27	-22	-22	-22	-22	-22
25 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0

27 TOTAL CONTRACTS OUT		-30	-30	-30	-30	-30	-30	-30	-30	-30	-25	-25	-25	-25	-25
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TABLE D-4 (CONTINUED)

SHEET 2 OF 2

PORTLAND GENERAL ELECTRIC
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		1994-95 OPERATING YEAR												1995-96 OPERATING YEAR			RUN DATE: 0	
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL			
CONTRACTS IN																		
28 CSPE PURCHASE	5B1A	117	117	117	117	117	117	117	117	117	101	101	101	101	101			
29 SUPPLEMENTAL CAPACITY	5B1A	54	54	54	54	54	54	54	54	54	44	44	44	44	44			
30 TOTAL CONTRACTS IN		171	171	171	171	171	171	171	171	171	145	145	145	145	145			
TOTAL DEDICATED RESOURCES																		
31 ACQUIRED PRIOR TO ACT, 5B1A		1511	1511	1512	1514	1516	1517	1518	1517	1516	1494	1494	1476	1491	1489			
32 ACQUIRED, POST ACT, 5B1B		1	1	1	1	226	226	226	226	1	0	0	0	1	1			
33 TOTAL DEDICATED RESOURCES		1512	1512	1513	1515	1742	1743	1744	1743	1517	1494	1494	1476	1492	1490			
NONDEDICATED RESOURCES																		
34 LG THRM, BOARDMAN SHARE		329	329	329	329	329	329	329	329	329	329	329	0	329	329			
35 LG THRM, COLSTRIP 3 SHARE		145	145	145	145	145	145	145	145	145	145	0	145	145	145			
36 LG THRM, COLSTRIP 4 SHARE		145	145	145	145	145	145	145	145	145	145	0	145	145	145			
37 C.T., BEAVER		417	417	423	432	443	448	451	447	442	434	434	428	423	417			
38 C.T., BETHEL		99	99	101	105	109	111	112	111	109	106	106	103	101	99			
39 EXP, PGE TO BURBANK, SALE		-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10			
40 EXP, PGE TO GLENDALE, SALE		-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20			
41 EXP, PGE TO SCE,PWR SALE 1		-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75			
42 EXP, PGE TO SCE,SEA PWR XCH		-225	-225	-225	0	0	0	0	0	0	0	0	0	-225	-225			
43 EXP, PGE TO WAPA,PWR SALE		-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65			
44 CONT OUT, PGE TO BPA,WNP3 S		0	0	0	0	0	0	0	0	0	0	0	0	0	0			
45 CONT OUT, PGE TO CHEL,C/N X		0	0	0	0	0	0	0	0	0	0	0	0	0	0			
46 CONT IN, BPA TO PGE,WNP3 S		0	0	0	0	164	164	164	164	82	82	82	0	0	0			
47 CONT IN, BPA TO PGE,WNP1 OB		80	80	80	80	80	80	80	80	80	80	80	80	80	80			
48 CONT IN, CHEL TO PGE,C/N X		50	50	50	50	0	0	0	0	0	0	0	0	50	50			
49 CONT IN, WWP TO PGE, CAP SL		50	50	50	50	0	0	0	0	0	0	0	0	50	50			
50 NON-UTILITY GEN		25	25	25	28	37	40	38	37	37	38	38	36	30	25			
52 TOTAL NONDEDICATED RES		944	944	953	1194	1281	1291	1294	1288	1198	1189	899	767	957	945			
53 TOTAL RESOURCES		2456	2456	2466	2709	3023	3034	3038	3031	2715	2683	2393	2243	2449	2435			

TABLE D-4

PORTLAND GENERAL ELECTRIC
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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PORTLAND GENERAL ELECTRIC
DEDICATED RESOURCES

HYDRO INDEPENDENTS

1 BULL RUN	5B1A	22	22	22	22	22	22	22	22	22	22	22	22	22
2 TW SULLIVAN	5B1A	14	14	14	14	14	14	14	14	14	14	14	14	13

REGULATED HYDRO

3 ROUND BUTTE	5B1A	300	300	300	300	300	300	300	300	300	300	300	300	300
4 PELTON	5B1A	108	108	108	108	108	108	108	108	108	108	108	108	108
5 OAK GROVE	5B1A	45	45	45	45	45	45	45	45	45	45	45	45	45
6 NORTH FORK	5B1A	54	54	54	54	54	54	54	54	54	54	54	54	54
7 FARADAY	5B1A	43	43	43	43	43	43	43	43	43	43	43	43	43
8 RIVER MILL	5B1A	23	23	23	23	23	23	23	23	23	23	23	23	23
9 PRIEST RAPIDS SHARE	5B1A	125	125	125	125	125	125	125	125	125	125	125	125	125
10 WANAPUM SHARE	5B1A	170	170	170	170	170	170	170	170	170	170	170	170	170
11 ROCKY REACH SHARE	5B1A	156	156	156	156	156	156	156	156	156	156	156	156	156
12 WELLS SHARE	5B1A	191	191	191	191	191	191	191	191	191	191	191	191	191

13 TOTAL HYDRO		1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1250
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LARGE THERMAL

14 CENTRALIA SHARE	5B1A	33	33	33	33	33	33	33	33	33	33	16	16	33
15 TOTAL THERMAL		33	33	33	33	33	33	33	33	33	33	16	16	33

OTHER RESOURCES

16 SM TH&MISC, SUMMIT 1&2	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6
17 NON-UTILITY GENERATION	5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1
18 C.T., BETHEL	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4
19 C.T., BEAVER	5B1A	124	124	124	124	124	124	124	124	62	62	62	124	124
20 COGEN, COYOTE SPRINGS	5B1B	240	240	240	240	240	240	240	240	0	0	240	240	240
21 TOTAL OTHER RESOURCES		374	374	375	375	375	375	375	375	73	73	313	375	374

EXPORTS

IMPORTS

22 SCE TO PGE,SEA PWR XCH	5B1B	0	0	0	0	225	225	225	225	0	0	0	0	0
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CONTRACTS OUT

23 PGE TO PP&L,COVE REP	5B1A	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
24 CANADIAN ENTIT (CSPE)	5B1A	-15	-15	-15	-15	-15	-15	-15	-15	-8	-8	-8	-8	-8
25 CANADIAN ENTITL (CAN)	5B1A	-5	-5	-5	-5	-5	-5	-5	-5	-31	-31	-31	-31	-31
26 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
27 TOTAL CONTRACTS OUT		-23	-23	-23	-23	-23	-23	-23	-23	-42	-42	-42	-42	-42

TABLE D-4 (CONTINUED)

PORTLAND GENERAL ELECTRIC
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN															
28 CSPE PURCHASE	5B1A	73	73	73	73	73	73	73	73	73	35	35	35	35	35
29 SUPPLEMENTAL CAPACITY	5B1A	30	30	30	30	30	30	30	30	30	16	16	16	16	16
30 TOTAL CONTRACTS IN		103	103	103	103	103	103	103	103	103	51	51	51	51	51
TOTAL DEDICATED RESOURCES															
31 ACQUIRED PRIOR TO ACT,	5B1A	1498	1498	1498	1498	1498	1498	1498	1498	1498	1365	1365	1348	1410	1426
32 ACQUIRED, POST ACT,	5B1B	240	240	241	241	466	466	466	466	241	1	1	241	241	240
33 TOTAL DEDICATED RESOURCES		1738	1738	1739	1739	1964	1964	1964	1964	1739	1366	1366	1589	1651	1666
NONDEDICATED RESOURCES															
34 LG THRM, BOARDMAN SHARE		329	329	329	329	329	329	329	329	329	329	329	0	329	329
35 LG THRM, COLSTRIP 3 SHARE		145	145	145	145	145	145	145	145	145	145	145	0	145	145
36 LG THRM, COLSTRIP 4 SHARE		145	145	145	145	145	145	145	145	145	145	145	0	145	145
37 C.T., BEAVER		676	676	676	676	676	676	676	676	676	338	338	338	676	676
38 C.T., BETHEL		99	99	101	105	109	111	112	111	109	106	106	103	101	99
39 EXP, PGE TO BURBANK, SALE		-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
40 EXP, PGE TO GLENDALE, SALE		-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
41 EXP, PGE TO SCE,PWR SALE 1		-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75
42 EXP, PGE TO SCE,SEA PWR XCH		-225	-225	-225	0	0	0	0	0	0	0	0	0	-225	-225
43 EXP, PGE TO WAPA,PWR SALE		-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65
44 CONT OUT, PGE TO BPA,WNP3 S		0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 CONT OUT, PGE TO CHEL,C/N X		0	0	0	0	164	164	164	164	82	82	82	0	0	0
46 CONT IN, BPA TO PGE,WNP3 S		0	0	0	0	0	0	0	0	0	0	0	0	50	50
47 CONT IN, BPA TO PGE,WNP1 OB		0	0	0	0	0	0	0	0	0	0	0	0	50	50
48 CONT IN, CHEL TO PGE,C/N X		50	50	50	50	0	0	0	0	0	0	0	0	30	25
49 CONT IN, WWP TO PGE, CAP SL		50	50	50	50	0	0	0	0	0	0	0	0	0	0
50 NON-UTILITY GEN		25	25	25	28	37	40	38	37	37	38	38	36	30	25
52 TOTAL NONDEDICATED RES		1124	1124	1126	1358	1434	1439	1439	1437	1352	1012	722	597	1131	1125
53 TOTAL RESOURCES		2862	2862	2865	3097	3398	3403	3403	3401	3091	2378	2088	2186	2782	2791

TABLE D-4

SHEET 1 OF 2

PORTLAND GENERAL ELECTRIC
DEDICATED AND NONDEDICATED RESOURCES

2003 - 4 OPERATING YEAR

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

PORTLAND GENERAL ELECTRIC
DEDICATED RESOURCES

AUG 1-15 AUG 16-31 SEP OCT NOV DEC JAN FEB MAR APR 1-15 APR 16-30 MAY JUN JUL

HYDRO INDEPENDENTS
1 BULL RUN
2 TM SULLIVAN

5B1A	22	22	22	22	22	22	22	22	22	22	22	22	22
5B1A	14	14	14	14	14	14	14	14	14	14	14	14	13

REGULATED HYDRO

3 ROUND BUTTE
4 PELTON
5 OAK GROVE
6 NORTH FORK
7 FARADAY
8 RIVER MILL
9 PRIEST RAPIDS SHARE
10 MANAPUM SHARE
11 ROCKY REACH SHARE
12 WELLS SHARE

5B1A	300	300	300	300	300	300	300	300	300	300	300	300	300
5B1A	108	108	108	108	108	108	108	108	108	108	108	108	108
5B1A	45	45	45	45	45	45	45	45	45	45	45	45	45
5B1A	54	54	54	54	54	54	54	54	54	54	54	54	54
5B1A	43	43	43	43	43	43	43	43	43	43	43	43	43
5B1A	23	23	23	23	23	23	23	23	23	23	23	23	23
5B1A	125	125	125	125	125	125	125	125	125	125	125	125	125
5B1A	170	170	170	170	170	170	170	170	170	170	170	170	170
5B1A	156	156	156	156	156	156	156	156	156	156	156	156	156
5B1A	191	191	191	191	191	191	191	191	191	191	191	191	191

13 TOTAL HYDRO

1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1251	1250
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LARGE THERMAL
14 CENTRALIA SHARE

5B1A	33	33	33	33	33	33	33	33	33	33	33	33	33
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15 TOTAL THERMAL

33	33	33	33	33	33	33	33	33	33	33	33	33	33
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OTHER RESOURCES

16 SM TH&MISC, SUMMIT 182
17 NON-UTILITY GENERATION 5B1B
18 C.T., BETHEL 5B1A
19 C.T., BEAVER 5B1A
20 COGEN, COYOTE SPRINGS 5B1B

374	374	374	375	375	375	375	375	375	73	73	313	375	374
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EXPORTS

IMPORTS

0	0	0	0	0	225	225	225	225	0	0	0	0	0
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CONTRACTS OUT

23 PGE TO P&L, COVE REP 5B1A
24 CANADIAN ENTIT (CSPE) 5B1A
25 CANADIAN ENTITL (CAN) 5B1A
26 RESTORATION 5B1A

-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
0	0	0	0	0	0	0	0	0	0	0	0	0	0
-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57
0	0	0	0	0	0	0	0	0	0	0	0	0	

27 TOTAL CONTRACTS OUT

-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60
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TABLE D-4 (CONTINUED)

PORTLAND GENERAL ELECTRIC
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN															
28 CSPE PURCHASE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SUPPLEMENTAL CAPACITY	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 TOTAL CONTRACTS IN		0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEDICATED RESOURCES															
31 ACQUIRED PRIOR TO ACT,	5B1A	1358	1358	1358	1358	1358	1358	1358	1358	1358	1296	1296	1279	1358	1357
32 ACQUIRED, POST ACT,	5B1B	240	240	241	241	466	466	466	466	241	1	1	241	241	240
33 TOTAL DEDICATED RESOURCES		1598	1598	1599	1599	1824	1824	1824	1824	1599	1297	1297	1520	1599	1597
NONDEDICATED RESOURCES															
34 LG THRM, BOARDMAN SHARE		329	329	329	329	329	329	329	329	329	329	329	0	329	329
35 LG THRM, COLSTRIP 3 SHARE		145	145	145	145	145	145	145	145	145	145	0	145	145	145
36 LG THRM, COLSTRIP 4 SHARE		145	145	145	145	145	145	145	145	145	145	0	145	145	145
37 C.T., BEAVER		676	676	676	676	676	676	676	676	676	338	338	338	676	676
38 C.T., BETHEL		99	99	101	105	109	111	112	111	109	106	106	103	101	99
39 EXP, PGE TO BURBANK, SALE		-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
40 EXP, PGE TO GLENDALE, SALE		-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
41 EXP, PGE TO SCE,PWR SALE 1		-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75	-75
42 EXP, PGE TO SCE,SEA PWR XCH		-225	-225	-225	0	0	0	0	0	0	0	0	0	-225	-225
43 EXP, PGE TO WAPA,PWR SALE		-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65	-65
44 CONT OUT, PGE TO BPA,WNP3 S		0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 CONT OUT, PGE TO CHEL,C/N X		0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 CONT IN, BPA TO PGE,WNP3 S		0	0	0	0	164	164	164	164	82	82	82	0	0	0
47 CONT IN, BPA TO PGE,WNP1 OB		0	0	0	0	0	0	0	0	0	0	0	0	50	50
48 CONT IN, CHEL TO PGE,C/N X		50	50	50	50	0	0	0	0	0	0	0	0	50	50
49 CONT IN, WWP TO PGE, CAP SL		50	50	50	50	0	0	0	0	0	0	0	0	50	50
50 NON-UTILITY GEN		25	25	25	28	37	40	38	37	37	38	38	36	30	25
52 TOTAL NONDEDICATED RES		1124	1124	1126	1358	1434	1439	1439	1437	1352	1012	722	597	1131	1125
53 TOTAL RESOURCES		2722	2722	2725	2957	3258	3263	3263	3261	2951	2309	2019	2117	2730	2722

TABLE D-5

SHEET 1 OF 2

PUGET SOUND POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1930 WATER YEAR PEAK IN MEGAWATTS															
PUGET SOUND POWER & LIGHT DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
1	SNOQUALMITE, ELCT & NK	5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72
REGULATED HYDRO															
2	WHITE	5B1A	64	64	64	64	64	63	56	47	47	43	45	61	64
3	UPPER BAKER	5B1A	101	101	101	100	97	95	87	80	79	79	80	1	101
4	LOWER BAKER	5B1A	71	71	71	71	71	64	54	53	51	51	51	14	66
5	WELLS SHARE	5B1A	292	292	292	292	292	292	292	292	292	292	292	292	292
6	ROCKY REACH SHARE	5B1A	506	505	505	505	505	505	506	505	505	505	505	504	505
7	ROCK ISLAND SHARE	5B1A	587	588	589	589	587	587	586	588	588	588	588	585	590
8	MANAPUM SHARE	5B1A	98	98	98	98	98	98	98	98	98	98	98	98	98
9	PRIEST SHARE	5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72
10	TOTAL HYDRO		1863	1863	1864	1863	1858	1848	1823	1807	1805	1800	1803	1702	1859
LARGE THERMAL															
11	CENTRALIA SHARE	5B1A	144	144	144	144	144	144	144	144	144	144	144	72	144
12	COLSTRIP 182 SHARE	5B1A	318	318	318	318	318	318	318	318	318	159	318	159	318
13	COLSTRIP 3 DED SHARE	5B1B	23	23	23	23	23	23	23	23	23	23	0	23	23
14	COLSTRIP 4 DED SHARE	5B1B	23	23	23	23	23	23	23	23	23	23	0	23	23
15	TOTAL LARGE THERMAL		507	507	507	507	507	507	507	507	507	348	462	276	507
OTHER RESOURCES															
16	C.T., WHIDBEY ISLAND	5B1A	0	0	0	0	29	29	29	0	0	0	0	0	0
17	C.T., WHITEHORN 1	5B1A	0	0	0	0	67	67	67	0	0	0	0	0	0
18	C.T., WHITEHORN 2 & 3	5B1B	0	0	0	0	177	177	177	0	0	0	0	0	0
19	SM TH&MISC, SHUFFLETON	5B1A	0	0	0	0	86	86	86	3	0	0	0	0	0
20	SM TH&MISC, CRYSTAL MT	5B1A	0	0	0	0	3	3	3	0	0	0	0	0	0
21	NON-UTILITY GEN, DED SHRS	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0
22	TOTAL OTHER RESOURCES		0	0	0	0	362	362	362	362	0	0	0	0	0
EXPORTS															
IMPORTS															
CONTRACTS OUT															
23	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
24	CANADIAN ENTIT (CSPE)	5B1A	-39	-39	-39	-39	-39	-39	-39	-39	-33	-33	-33	-33	-33
25	CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
26	TOTAL CONTRACTS OUT		-39	-39	-39	-39	-39	-39	-39	-39	-33	-33	-33	-33	-33

TABLE D-5 (CONTINUED)

PUGET SOUND POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		1994-95 OPERATING YEAR													
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN															
27 CSPE PURCHASE	5B1A	116	116	116	116	116	116	116	116	116	101	101	101	101	101
28 SUPPLEMENTAL CAPACITY	5B1A	78	78	78	78	78	78	78	78	78	66	66	66	66	66
29 BPA TO PSP&L,WNP1 OBL	5B1B	80	80	80	80	80	80	80	80	80	80	80	80	80	80
30 TOTAL CONTRACTS IN		274	274	274	274	274	274	274	274	274	247	247	247	247	247
TOTAL DEDICATED RESOURCES															
31 ACQUIRED PRIOR TO ACT,	5B1A	2480	2480	2481	2480	2660	2650	2625	2609	2422	2237	2399	2067	2455	2459
32 ACQUIRED, POST ACT,	5B1B	125	125	125	125	302	302	302	302	125	125	80	125	125	125
33 TOTAL DEDICATED RESOURCES		2605	2605	2606	2605	2962	2952	2927	2911	2547	2362	2479	2192	2580	2584
NONDEDICATED RESOURCES															
34 LG THRM, COLSTRIP 3 NO SHR		158	158	158	158	158	158	158	158	158	158	0	158	158	158
35 LG THRM, COLSTRIP 4 NO SHR		158	158	158	158	158	158	158	158	158	158	0	158	158	158
37 C.T., FREDRICKSON		0	0	0	0	178	178	178	178	0	0	0	0	0	0
38 C.T., FREDONIA		0	0	0	0	247	247	247	247	0	0	0	0	0	0
39 EXPORT,PSP&L TO PG&E,S PWR		-300	-300	-300	0	0	0	0	0	0	0	0	0	-300	-300
40 IMPORT,PG&E TO PSP,SEA PWR		0	0	0	0	300	300	300	300	0	0	0	0	0	0
41 IMPORT,BC HYDRO TO PSP&L		4	4	4	4	4	4	4	4	4	4	4	4	4	4
42 CONT OUT, PSP&L TO BPA,WP3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 CONT OUT, PSP&L TO BPA, SAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 CONT OUT,PSP&L TO BPA,P XCH		0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 CONT IN, BPA TO PSP&L,WNP3		0	0	0	0	82	82	82	82	41	41	41	0	0	0
46 CONT IN, PP&L TO PSP&L,PS2		200	200	200	200	200	200	200	200	200	200	200	200	200	200
47 CONT IN,BPA TO PSP&L,BK HD		0	0	0	0	7	7	7	7	0	0	0	0	0	0
48 CONT IN,BPA TO PSP&L,PS/PXC		0	0	0	300	300	300	300	300	300	0	0	94	94	94
49 CONT IN,MPC TO PSP&L, COL 4		94	94	94	94	94	94	94	94	94	4	4	4	4	4
50 CONT IN,NO WASCO TO PSP&L		4	4	4	4	4	4	4	4	4	4	4	4	4	4
51 CONT IN,OTHER TO PSP&L,SP P		1	1	1	1	1	2	2	2	1	1	1	1	1	1
52 CONT IN,SNOH TO PSP&L,SP PU		5	5	5	6	7	10	10	8	7	7	7	6	5	5
53 CONT IN,WNP TO PSP&L, PS 2		100	100	100	100	100	100	100	100	100	100	100	100	100	100
54 NON-UTILITY GEN NON-DED SHR		712	712	712	712	712	712	712	712	712	712	712	167	552	712
55 TOTAL NONDEDICATED RES		1137	1137	1137	1738	2553	2557	2557	2555	1780	1386	1069	893	977	1137
56 TOTAL RESOURCES		3742	3742	3743	4343	5515	5509	5484	5466	4327	3748	3548	3085	3557	3721

TABLE D-5

PUGET SOUND POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

SHEET 1 OF 2

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15 AUG 16-31 SEP OCT NOV DEC JAN FEB MAR APR 1-15 APR 16-30 MAY JUN JUL

PUGET SOUND POWER & LIGHT
DEDICATED RESOURCES

HYDRO INDEPENDENTS

1 SNOQUALMIE, ELCT & NK

5B1A 72 72 72 72 72 72 72 72 72 72 72 72 72

REGULATED HYDRO

2 WHITE
3 UPPER BAKER
4 LOWER BAKER
5 WELLS SHARE
6 ROCKY REACH SHARE
7 ROCK ISLAND SHARE
8 MANAPUM SHARE
9 PRIEST SHARE5B1A 64 64 64 64 64 63 56 47 47 43 45 61 64
5B1A 101 101 101 100 97 95 87 80 80 80 79 1 101
5B1A 71 71 71 71 71 64 54 53 53 51 51 14 66
5B1A 292 292 292 292 292 292 292 292 292 292 292 292 292
5B1A 505 505 505 505 505 505 506 505 505 505 505 507 505
5B1A 588 588 589 589 587 587 586 587 587 588 588 585 588
5B1A 98 98 98 98 98 98 98 98 98 98 98 98 98
5B1A 72 72 72 72 72 72 72 72 72 72 72 72 72

10 TOTAL HYDRO

1863 1863 1864 1863 1858 1848 1823 1806 1806 1801 1802 1702 1858 1863

LARGE THERMAL

11 CENTRALIA SHARE
12 COLSTRIP 1&2 SHARE
13 COLSTRIP 3 DED SHARE
14 COLSTRIP 4 DED SHARE
15 TOTAL LARGE THERMAL5B1A 92 92 92 92 92 92 92 92 92 92 46 46 92
5B1A 318 318 318 318 318 318 318 318 159 318 159 318 318
5B1B 23 23 23 23 23 23 23 23 23 23 23 23 23
5B1B 23 23 23 23 23 23 23 23 23 23 23 23 23

OTHER RESOURCES

16 C.T., WHIDBEY ISLAND
17 C.T., WHITEHORN 1
18 C.T., WHITEHORN 2 & 3
19 SM TH&MISC, SHUFLETON
20 SM TH&MISC, CRYSTL MT
21 NON-UTILITY GEN, DED SHRS5B1B5B1A 0 0 0 0 0 29 29 29 29 0 0 0 0
5B1A 0 0 0 0 0 67 67 67 67 0 0 0 0
5B1B 0 0 0 0 0 177 177 177 177 0 0 0 0
5B1A 0 0 0 0 0 86 86 86 86 0 0 0 0
5B1A 0 0 0 0 0 3 3 3 3 0 0 0 0
5B1B 0 0 0 0 0 0 0 0 0 0 0 0

22 TOTAL OTHER RESOURCES

0 0 0 0 362 362 362 362 0 0 0 0 0 0

EXPORTS

IMPORTS

CONTRACTS OUT

23 RESTORATION
24 CANADIAN ENTIT (CSPE)
25 CANADIAN ENTITL (CAN)
26 TOTAL CONTRACTS OUT5B1A 0 0 0 0 0 0 0 0 0 0 0 0
5B1A -24 -24 -24 -24 -24 -24 -24 -24 -11 -11 -11 -11
5B1A -9 -9 -9 -9 -9 -9 -9 -9 -47 -47 -47 -47
5B1A -33 -33 -33 -33 -33 -33 -33 -33 -58 -58 -58 -58

TABLE D-5 (CONTINUED)

SHEET 2 OF 2

PUGET SOUND POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		1998-99 OPERATING YEAR													
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN															
27 CSPE PURCHASE	5B1A	73	73	73	73	73	73	73	73	73	35	35	35	35	35
28 SUPPLEMENTAL CAPACITY	5B1A	48	48	48	48	48	48	48	48	48	22	22	22	22	22
29 BPA TO PSP&L,WNP1 OBL	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 TOTAL CONTRACTS IN		121	121	121	121	121	121	121	121	121	57	57	57	57	57
TOTAL DEDICATED RESOURCES															
31 ACQUIRED PRIOR TO ACT, 5B1A		2361	2361	2362	2361	2541	2531	2506	2489	2304	2051	2211	1906	2221	2272
32 ACQUIRED, POST ACT, 5B1B		45	45	45	45	222	222	222	222	45	45	0	45	45	45
33 TOTAL DEDICATED RESOURCES		2406	2406	2407	2406	2763	2753	2728	2711	2349	2096	2211	1951	2266	2317
NONDEDICATED RESOURCES															
34 LG THRM, COLSTRIP 3 ND SHR		158	158	158	158	158	158	158	158	158	158	0	158	158	158
35 LG THRM, COLSTRIP 4 ND SHR		158	158	158	158	158	158	158	158	158	158	0	158	158	158
37 C.T., FREDRICKSON		0	0	0	0	178	178	178	178	0	0	0	0	0	0
38 C.T., FREDONIA		0	0	0	0	247	247	247	247	0	0	0	0	0	0
39 EXPORT,PSP&L TO PG&E,S PWR		-300	-300	-300	0	0	0	0	0	0	0	0	0	-300	-300
40 IMPORT,PG&E TO PSP,SEA PWR		0	0	0	0	300	300	300	300	0	0	0	0	0	0
41 IMPORT,BC HYDRO TO PSP&L		4	4	4	4	4	4	4	4	4	4	4	4	4	4
42 CONT OUT, PSP&L TO BPA,WP3		0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 CONT OUT, PSP&L TO BPA, SAL		0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 CONT OUT,PSP&L TO BPA,P XCH		0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 CONT IN, BPA TO PSP&L,WNP3		0	0	0	0	82	82	82	82	41	41	41	0	0	0
46 CONT IN, PP&L TO PSP&L,PS2		200	200	200	200	200	200	200	200	200	200	200	200	200	200
47 CONT IN,BPA TO PSP&L,BK HD		0	0	0	0	7	7	7	7	0	0	0	0	0	0
48 CONT IN,BPA TO PSP&L,PS/PXC		0	0	0	300	300	300	300	300	300	0	0	0	0	0
49 CONT IN,MPC TO PSP&L, COL 4		94	94	94	94	94	94	94	94	94	0	0	94	94	94
50 CONT IN,NO WASCO TO PSP&L		4	4	4	4	4	4	4	4	4	4	4	4	4	4
51 CONT IN,OTHER TO PSP&L,SP P		1	1	1	1	1	2	2	2	2	1	1	1	1	1
52 CONT IN,SNOH TO PSP&L,SP PU		5	5	5	6	7	10	10	8	7	7	7	6	5	5
53 CONT IN,WWP TO PSP&L, PS 2		100	100	100	100	100	100	100	100	100	100	100	100	100	100
54 NON-UTILITY GEN NON-DED SHR		699	699	699	699	699	699	699	699	699	699	699	154	539	699
55 TOTAL NONDEDICATED RES		1123	1123	1123	1724	2539	2543	2543	2541	1767	1372	1056	879	963	1123
56 TOTAL RESOURCES		3529	3529	3530	4130	5302	5296	5271	5252	4116	3468	3267	2830	3229	3440

TABLE D-5

SHEET 1 OF 2

PUGET SOUND POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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PUGET SOUND POWER & LIGHT
DEDICATED RESOURCES

HYDRO INDEPENDENTS

1 SNOQUALMIE, ELCT & NK	72	72	72	72	72	72	72	72	72	72	72	72	72	72
REGULATED HYDRO														
2 WHITE	64	64	64	64	64	63	56	47	47	43	45	61	64	64
3 UPPER BAKER	101	101	101	97	97	95	87	80	80	80	79	1	101	101
4 LOWER BAKER	71	71	71	71	71	64	54	53	53	51	51	14	66	71
5 WELLS SHARE	292	292	292	292	292	292	292	292	292	292	292	292	292	292
6 ROCKY REACH SHARE	505	505	505	505	505	505	506	505	505	505	505	507	505	505
7 ROCK ISLAND SHARE	449	450	451	446	447	447	441	448	446	449	450	438	447	415
8 WANAPUM SHARE	98	98	98	98	98	98	98	98	98	98	98	98	98	98
9 PRIEST SHARE	72	72	72	72	72	72	72	72	72	72	72	72	72	72
10 TOTAL HYDRO	1724	1725	1726	1717	1717	1708	1678	1667	1665	1662	1664	1555	1717	1690

LARGE THERMAL

11 CENTRALIA SHARE	92	92	92	92	92	92	92	92	92	92	92	46	92	92
12 COLSTRIP 1&2 SHARE	318	318	318	318	318	318	318	318	318	159	318	159	318	318
13 COLSTRIP 3 DED SHARE	23	23	23	23	23	23	23	23	23	23	0	23	23	23
14 COLSTRIP 4 DED SHARE	23	23	23	23	23	23	23	23	23	23	0	23	23	23
15 TOTAL LARGE THERMAL	455	455	455	455	455	455	455	455	455	296	410	250	455	455

OTHER RESOURCES

16 C.T., WHIDBEY ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 C.T., WHITEHORN 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 C.T., WHITEHORN 2 & 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 SM THERMISC, SHUFFLETN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 SM THERMISC, CRYSTL MT	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 NON-UTILITY GEN, DED SHRSBIB	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 TOTAL OTHER RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPORTS

IMPORTS

CONTRACTS OUT

23 RESTORATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CANADIAN ENTIT (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 CANADIAN ENTITL (CAN)	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85
26 TOTAL CONTRACTS OUT	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85

TABLE D-5 (CONTINUED)

SHEET 2 OF 2

PUGET SOUND POWER & LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
27 CSPE PURCHASE 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 SUPPLEMENTAL CAPACITY 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 BPA TO PSP&L, WNP1 OBL 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 TOTAL CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEDICATED RESOURCES														
31 ACQUIRED PRIOR TO ACT, 5B1A	2049	2050	2051	2050	2227	2218	2188	2177	1990	1828	1989	1675	2042	2015
32 ACQUIRED, POST ACT, 5B1B	45	45	45	45	222	222	222	222	45	45	0	45	45	45
33 TOTAL DEDICATED RESOURCES	2094	2095	2096	2095	2449	2440	2410	2399	2035	1873	1989	1720	2087	2060
NONDEDICATED RESOURCES														
34 LG THRM, COLSTRIP 3 ND SHR	158	158	158	158	158	158	158	158	158	158	0	158	158	158
35 LG THRM, COLSTRIP 4 ND SHR	158	158	158	158	158	158	158	158	158	158	0	158	158	158
37 C.T., FREDRICKSON	0	0	0	0	178	178	178	178	0	0	0	0	0	0
38 C.T., FREDONIA	0	0	0	0	247	247	247	247	0	0	0	0	0	0
39 EXPORT, PSP&L TO PG&E, S PWR	-300	-300	-300	0	0	0	0	0	0	0	0	0	-300	-300
40 IMPORT, PG&E TO PSP, SEA PWR	0	0	0	0	300	300	300	300	0	0	0	0	0	0
41 IMPORT, BC HYDRO TO PSP&L	4	4	4	4	4	4	4	4	4	4	4	4	4	4
42 CONT OUT, PSP&L TO BPA, WP3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 CONT OUT, PSP&L TO BPA, SAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 CONT OUT, PSP&L TO BPA, P XCH	-300	-300	-300	-300	0	0	0	0	0	0	0	0	0	-300
45 CONT IN, BPA TO PSP&L, WNP3	0	0	0	0	82	82	82	82	41	41	41	0	0	0
46 CONT IN, PP&L TO PSP&L, PS2	200	200	200	200	0	0	0	0	0	0	0	0	0	0
47 CONT IN, BPA TO PSP&L, BK HD	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 CONT IN, BPA TO PSP&L, PS/PXC	0	0	0	0	300	300	300	300	0	0	0	0	0	0
49 CONT IN, MPC TO PSP&L, COL 4	94	94	94	94	94	94	94	94	94	0	0	94	94	94
50 CONT IN, NO WASCO TO PSP&L	4	4	4	4	4	4	4	4	4	4	4	4	4	4
51 CONT IN, OTHER TO PSP&L, SP P	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 CONT IN, SNOH TO PSP&L, SP PU	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 CONT IN, WWP TO PSP&L, PS 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NON-UTILITY GEN NON-DED SHR	699	699	699	699	699	699	699	699	699	699	699	154	539	699
55 TOTAL NONDEDICATED RES	717	717	717	1017	2224	2224	2224	2224	1158	1064	748	572	657	517
56 TOTAL RESOURCES	2811	2812	2813	3112	4673	4664	4634	4623	3193	2937	2737	2292	2744	2577

TABLE D-6

SHEET 1 OF 2

WASHINGTON WATER POWER
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93

RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTSWASHINGTON WATER POWER
DEDICATED RESOURCESHYDRO INDEPENDENTS
1 MEYERS FALLS

REGULATED HYDRO

2 NOXON
3 CABINET GORGE
4 POST FALLS
5 UPPER FALLS
6 MONROE STREET
7 NINE MILE
8 LONG LAKE
9 LITTLE FALLS
10 WELLS SHARE
11 CHELAN SHARE
12 ROCKY REACH SHARE
13 WANAPUM SHARE
14 PRIEST RAPIDS SHARE

15 TOTAL HYDRO

LARGE THERMAL
16 CENTRALIA SHARE

17 TOTAL LARGE THERMAL

OTHER RESOURCES

18 C.T., NORTHEAST UNITS
19 NON-UTILITY GEN

20 TOTAL OTHER RESOURCES

EXPORTS

21 TOTAL EXPORTS

IMPORTS

22 TOTAL IMPORTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5B1A	544	534	541	549	549	541	522	506	503	509	509	529	554	554	
5B1A	230	230	230	230	230	230	230	230	230	230	230	230	230	230	
5B1A	16	16	16	16	16	16	16	16	16	15	15	15	16	16	
5B1A	10	10	10	10	10	10	10	10	10	9	9	9	10	10	
5B1A	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
5B1A	26	26	26	26	26	26	26	25	25	25	24	25	25	26	
5B1A	72	73	72	72	72	73	71	66	64	69	72	72	73	73	
5B1A	34	34	35	35	34	34	34	34	34	34	33	34	34	34	
5B1A	33	33	33	33	33	33	33	33	33	33	33	33	33	33	
5B1A	35	35	33	27	25	24	23	22	22	22	23	-11	12	0	
5B1A	37	38	38	38	38	38	38	38	38	38	38	38	38	38	
5B1A	75	75	75	75	75	75	75	75	75	75	75	75	75	75	
5B1A	55	55	55	55	55	55	55	55	55	55	55	55	55	55	
	1181	1173	1178	1180	1177	1169	1147	1124	1119	1128	1130	1118	1169	1158	
5B1A	196	196	196	196	196	196	196	196	196	196	196	196	98	196	196
	196	196	196	196	196	196	196	196	196	196	196	196	98	196	196
5B1A	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE D-6 (CONTINUED)

SHEET 2 OF 2

WASHINGTON WATER POWER
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		1994-95 OPERATING YEAR													
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS OUT															
23 CANADIAN ENTIT (CSPE)	5B1A	-8	-8	-8	-8	-8	-8	-8	-8	-8	-7	-7	-7	-7	-7
24 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 WWP TO PP&L, SANDPOINT	5B1A	-4	-4	-4	-4	-5	-5	-5	-5	-4	-4	-4	-4	-4	-4
26 TOTAL CONTRACTS OUT		-12	-12	-12	-12	-13	-13	-13	-13	-12	-11	-11	-11	-11	-11
CONTRACTS IN															
27 BPA TO WWP, SRP CAP SL	5B1B	50	50	50	50	50	50	50	50	50	50	50	50	50	50
28 CSPE PURCHASE	5B1A	33	33	33	33	33	33	33	33	33	29	29	29	29	29
29 SUPPLEMENTAL CAPACITY	5B1A	16	16	16	16	16	16	16	16	16	14	14	14	14	14
30 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 MPC TO WWP, PWR SALE	5B1B	0	0	25	25	25	0	0	0	0	0	0	0	0	0
32 TOTAL CONTRACTS IN		99	99	124	124	124	99	99	99	99	93	93	93	93	93
TOTAL DEDICATED RESOURCES															
33 ACQUIRED PRIOR TO ACT, 5B1A		1482	1474	1479	1481	1477	1469	1447	1424	1420	1424	1426	1316	1465	1454
34 ACQUIRED, POST ACT, 5B1B		50	50	75	75	75	50	50	50	50	50	50	50	50	50
36 TOTAL DEDICATED RESOURCES		1532	1524	1554	1556	1552	1519	1497	1474	1470	1474	1476	1366	1515	1504
NONDEDICATED RESOURCES															
37 COMB TURB, RATHDRUM 1&2		170	170	170	200	200	200	200	200	200	170	170	170	170	170
38 LG THRM, COLSTRIP 3 SHARE		109	109	109	109	109	109	109	109	109	109	0	109	109	109
39 LG THRM, COLSTRIP 4 SHARE		109	109	109	109	109	109	109	109	109	109	0	109	109	109
40 NON-UTILITY GENERATION		66	66	67	67	68	70	70	71	73	74	74	48	49	69
41 RENEW, KETTLE FALLS		47	47	47	47	47	47	47	47	47	47	47	47	0	47
42 IMP, PG&E TO WWP, SEA PWR XC		0	0	0	0	150	150	150	150	150	0	0	0	0	0
43 EXP, WWP TO PG&E, SEA PWR XC		-150	-150	-150	0	0	0	0	0	0	0	0	-150	-150	-150
44 CONT OUT, WWP TO BPA, WNP3 S		0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 CONT OUT, WWP TO PP&L, PS		-150	-150	-150	-150	-150	-150	-150	-150	-150	-150	-150	-150	-150	-150
46 C. O. WWP TO PND OR, SALE		-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13	-13
47 CONT OUT, WWP TO PSP&L, PS 2		-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100
48 CONT IN, BPA TO WWP, WNP1 OB		80	80	80	80	80	80	80	80	80	80	80	80	80	80
49 CONT IN, BPA TO WWP, WNP3 S		0	0	0	0	82	82	82	82	41	41	41	0	0	0
50 NONDEDICATED RESOURCES		168	168	169	349	582	584	584	585	546	367	149	150	104	171
51 TOTAL RESOURCES		1700	1692	1723	1905	2134	2103	2081	2059	2016	1841	1625	1516	1619	1675

WASHINGTON WATER POWER
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 16-31
AUG 1-15

	APR	APR	MAY	JUN	JUL
	1-15	16-30			

WASHINGTON WATER POWER
DEDICATED RESOURCES

HYDRO INDEPENDENTS
1 MEYERS FALLS

581A 1 1 1 1 1 1 1 1 1 1

REGULATED HYDRO

- 2 MUXUN
- 3 CABINET GORGE
- 4 POST FALLS
- 5 UPPER FALLS
- 6 MONROE STREET
- 7 NINE MILE
- 8 LONG LAKE
- 9 LITTLE FALLS
- 10 WELLS SHARE
- 11 CHELIAN SHARE
- 12 ROCKY REACH SHARE
- 13 WANAPUM SHARE
- 14 PRIEST RAPIDS SHARE

581A	544	534	541	549	549	541	522	506	503	509	509	529	554	554
581A	230	230	230	230	230	230	230	230	230	230	230	230	230	230
581A	16	16	16	16	16	16	16	16	16	15	15	15	16	16
581A	10	10	10	10	10	10	10	10	10	9	9	9	10	10
581A	13	13	13	13	13	13	13	13	13	13	13	13	13	13
581A	26	26	26	26	26	26	26	25	25	25	24	25	25	26
581A	72	73	72	72	72	71	71	66	64	69	72	72	72	73
581A	34	34	35	34	34	34	34	34	34	34	33	34	34	34
581A	33	33	33	33	33	33	33	33	33	33	33	33	33	33
581A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
581A	38	38	37	37	38	38	38	38	38	38	38	38	38	38
581A	75	75	75	75	75	75	75	75	75	75	75	75	75	75
581A	55	55	55	55	55	55	55	55	55	55	55	55	55	55
581A	1147	1138	1144	1151	1152	1145	1124	1102	1097	1106	1107	1129	1156	1158

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1993 PNW L/R Study
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LARGE THERMAL
CENTRA TA SHARE

[illegible]

OTHER RESOURCES

OTHER RESOURCES
18 C.T., NORTHEAST UNITS
19 NON-UTILITY GEN

581A	68	68	68	68	68	68	68
581B	0	0	0	0	0	0	0

20 TOTAL OTHER RESOURCES

89 89 89 89 89 89 89 89 89 89

EXPORTS

21 TOTAL EXPORTS

0
0
0
0
0
0
0
0
0
0
0

IMPORTS

22 TOTAL IMPORTS

0 0 0 0 0 0 0 0 0 0 0 0 0 0

TABLE D-6 (CONTINUED)

SHEET 2 OF 2

WASHINGTON WATER POWER
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		1998-99 OPERATING YEAR											1998-99 WATER YEAR			RUN DATE: 0	
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL		
CONTRACTS OUT																	
23 CANADIAN ENTIT (CSPE)	5B1A	-5	-5	-5	-5	-5	-5	-5	-5	-5	-2	-2	-2	-2	-2		
24 CANADIAN ENTITL (CAN)	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-11	-11	-11	-11	-11		
25 WWP TO PP&L,SANDPOINT	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
26 TOTAL CONTRACTS OUT		-6	-6	-6	-6	-6	-6	-6	-6	-6	-13	-13	-13	-13	-13		
CONTRACTS IN																	
27 BPA TO WWP, SRP CAP SL	5B1B	50	50	50	50	50	50	50	50	50	50	50	50	50	50		
28 CSPE PURCHASE	5B1A	21	21	21	21	21	21	21	21	21	10	10	10	10	10		
29 SUPPLEMENTAL CAPACITY	5B1A	10	10	10	10	10	10	10	10	10	4	4	4	4	4		
30 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
31 MPC TO WWP, PWR SALE	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
32 TOTAL CONTRACTS IN		81	81	81	81	81	81	81	81	81	64	64	64	64	64		
TOTAL DEDICATED RESOURCES																	
33 ACQUIRED PRIOR TO ACT, 5B1A		1436	1427	1433	1440	1441	1434	1413	1391	1386	1371	1372	1296	1323	1423		
34 ACQUIRED, POST ACT, 5B1B		50	50	50	50	50	50	50	50	50	50	50	50	50	50		
36 TOTAL DEDICATED RESOURCES		1486	1477	1483	1490	1491	1484	1463	1441	1436	1421	1422	1346	1373	1473		
NONDEDICATED RESOURCES																	
37 COMB TURB, RATHDRUM 1&2		170	170	170	200	200	200	200	200	200	170	170	170	170	170		
38 LG THRM, COLSTRIP 3 SHARE		109	109	109	109	109	109	109	109	109	109	0	109	109	109		
39 LG THRM, COLSTRIP 4 SHARE		109	109	109	109	109	109	109	109	109	109	0	109	109	109		
40 NON-UTILITY GENERATION		66	66	67	67	68	70	70	71	73	74	74	48	49	69		
41 RENEW, KETTLE FALLS		47	47	47	47	47	47	47	47	47	47	47	0	0	47		
42 IMP, PG&E TO WWP,SEA PWR XC		0	0	0	0	150	150	150	150	150	0	0	0	0	0		
43 EXP, WWP TO PG&E,SEA PWR XC		-150	-150	-150	0	0	0	0	0	0	0	0	-150	-150	-150		
44 CONT OUT, WWP TO BPA,WNP3 S		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
45 CONT OUT, WWP TO PP&L,PS		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
46 C. O. WWP TO PND OR, SALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
47 CONT OUT, WWP TO PSP&L,PS 2		-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100	-100		
48 CONT IN, BPA TO WWP,WNP1 OB		0	0	0	0	0	0	0	0	0	0	0	0	0	0		
49 CONT IN, BPA TO WWP, WNP3 S		0	0	0	0	82	82	82	82	41	41	41	0	0	0		
50 NONDEDICATED RESOURCES		251	251	252	432	665	667	667	668	629	450	232	233	187	254		
51 TOTAL RESOURCES		1737	1728	1735	1922	2156	2151	2130	2109	2065	1871	1654	1579	1560	1727		

TABLE D-6

SHEET 1 OF 2

WASHINGTON WATER POWER
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
--	-------------	--------------	-----	-----	-----	-----	-----	-----	-----	-------------	--------------	-----	-----	-----

WASHINGTON WATER POWER
DEDICATED RESOURCES

HYDRO INDEPENDENTS

1 MEYERS FALLS

5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---

REGULATED HYDRO

2 NOXON

5B1A	544	534	541	549	549	541	522	506	503	509	509	529	554	554
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

3 CABINET GORGE

5B1A	230	230	230	230	230	230	230	230	230	230	230	230	230	230
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

4 POST FALLS

5B1A	16	16	16	16	16	16	16	16	16	15	15	15	16	16
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

5 UPPER FALLS

5B1A	10	10	10	10	10	10	10	10	10	9	9	9	10	10
------	----	----	----	----	----	----	----	----	----	---	---	---	----	----

6 MONROE STREET

5B1A	13	13	13	13	13	13	13	13	13	13	13	13	13	13
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

7 NINE MILE

5B1A	26	26	26	26	26	26	26	25	25	25	24	25	25	26
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

8 LONG LAKE

5B1A	72	73	72	72	72	73	71	66	64	69	72	72	72	73
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

9 LITTLE FALLS

5B1A	34	34	35	34	34	34	34	34	34	34	33	34	34	34
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

10 WELLS SHARE

5B1A	33	33	33	33	33	33	33	33	33	33	33	33	33	33
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

11 CHELAN SHARE

5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---

12 ROCKY REACH SHARE

5B1A	38	38	37	37	38	38	38	38	38	38	38	38	38	38
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

13 WANAPUM SHARE

5B1A	75	75	75	75	75	75	75	75	75	75	75	75	75	75
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

14 PRIEST RAPIDS SHARE

5B1A	55	55	55	55	55	55	55	55	55	55	55	55	55	55
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

15 TOTAL HYDRO

	1147	1138	1144	1151	1152	1145	1124	1102	1097	1106	1107	1129	1156	1158
--	------	------	------	------	------	------	------	------	------	------	------	------	------	------

LARGE THERMAL

16 CENTRALIA SHARE

5B1A	196	196	196	196	196	196	196	196	196	196	196	98	196	196
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	-----	-----

17 TOTAL LARGE THERMAL

	196	196	196	196	196	196	196	196	196	196	196	98	196	196
--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	----	-----	-----

OTHER RESOURCES

18 C.T., NORTHEAST UNITS

5B1A	68	68	68	68	68	68	68	68	68	68	68	68	68	68
------	----	----	----	----	----	----	----	----	----	----	----	----	----	----

19 NON-UTILITY GEN

5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---

20 TOTAL OTHER RESOURCES

	68	68	68	68	68	68	68	68	68	68	68	68	68	68
--	----	----	----	----	----	----	----	----	----	----	----	----	----	----

EXPORTS

21 TOTAL EXPORTS

	0	0	0	0	0	0	0	0	0	0	0	0	0	0
--	---	---	---	---	---	---	---	---	---	---	---	---	---	---

IMPORTS

22 TOTAL IMPORTS

	0	0	0	0	0	0	0	0	0	0	0	0	0	0
--	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE D-6 (CONTINUED)

SHEET 2 OF 2

WASHINGTON WATER POWER
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		2003- 4 OPERATING YEAR													
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS OUT															
23 CANADIAN ENTIT (CSPE)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 CANADIAN ENTITL (CAN)	5B1A	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19
25 WWP TO PP&L, SANDPOINT	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 TOTAL CONTRACTS OUT		-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19
CONTRACTS IN															
27 BPA TO WWP, SRP CAP SL	5B1B	50	50	50	50	50	50	50	50	50	50	50	50	50	50
28 CSPE PURCHASE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 SUPPLEMENTAL CAPACITY	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 MPC TO WWP, PWR SALE	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 TOTAL CONTRACTS IN		50	50	50		50	50	50	50	50	50	50	50	50	50
TOTAL DEDICATED RESOURCES															
33 ACQUIRED PRIOR TO ACT,	5B1A	1392	1383	1389		397	1390	1369	1347	1342	1351	1352	1276	1401	1403
34 ACQUIRED, POST ACT,	5B1B	50	50	50		50	50	50	50	50	50	50	50	50	50
36 TOTAL DEDICATED RESOURCES		1442	1433	1439	1446	1447	1440	1419	1397	1392	1401	1402	1326	1451	1453
NONDEDICATED RESOURCES															
37 COMB TURB, RATHDRUM 1&2		170	170	170	200	200	200	200	200	200	170	170	170	170	170
38 LG THRM, COLSTRIP 3 SHARE		109	109	109	109	109	109	109	109	109	109	0	109	109	109
39 LG THRM, COLSTRIP 4 SHARE		109	109	109	109	109	109	109	109	109	109	0	109	109	109
40 NON-UTILITY GENERATION		7	7	8	8	9	11	11	12	14	15	15	13	14	6
41 RENEW, KETTLE FALLS		47	47	47	47	47	47	47	47	47	47	47	47	0	47
42 IMP, PG&E TO WWP, SEA PWR XC		0	0	0	0	150	150	150	150	150	0	0	0	0	0
43 EXP, WWP TO PG&E, SEA PWR XC		-150	-150	-150	0	0	0	0	0	0	0	0	-150	-150	-150
44 CONT OUT, WWP TO BPA, WNP3 S		0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 CONT OUT, WWP TO PP&L, PS		0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 C. O. WWP TO PND OR, SALE		0	0	0	0	0	0	0	0	0	0	0	0	0	0
47 CONT OUT, WWP TO PSP&L, PS 2		0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 CONT IN, BPA TO WWP, WNP1 OB		0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 CONT IN, BPA TO WWP, WNP3 S		0	0	0	0	82	82	82	82	41	41	41	0	0	0
50 NONDEDICATED RESOURCES		292	292	293	473	706	708	708	709	670	491	273	298	252	291
51 TOTAL RESOURCES		1734	1725	1732	1919	2153	2148	2127	2106	2062	1892	1675	1624	1703	1744

TABLE D-7

CHELAN COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CHELAN COUNTY PUD #1 DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
REGULATED HYDRO															
1 ROCKY REACH SHARE	5B1A	99	99	99	99	99	99	99	99	99	99	99	99	99	99
2 ROCKY REACH SHARE	5B1B	97	97	97	97	97	97	98	97	97	97	97	98	97	97
3 ROCK ISLAND SHARE	5B1A	31	32	33	33	31	32	30	32	32	33	33	29	33	33
4 ROCK ISLAND SHARE	5B1B	52	54	55	55	52	53	50	54	53	54	54	49	55	60
5 CHELAN SHR, PROJ+CONT	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	32
6 CHELAN CONTRACT	5B1B	23	23	25	30	32	32	32	32	32	32	32	28	25	26
7 TOTAL HYDRO		302	306	309	314	312	313	309	315	313	315	315	303	309	347
LARGE THERMAL															
OTHER RESOURCES															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
8 CHELAN TO DOUG,C/N XCH	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
9 CANADIAN ENTIT (CSPE)	5B1A	-7	-7	-7	-7	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6
10 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 TOTAL CONTRACTS OUT		-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-8	-8	-8
CONTRACTS IN															
13 CSPE PURCHASE	5B1A	7	7	7	7	7	7	7	7	7	6	6	6	6	6
14 SUPPLEMENTAL CAPACITY	5B1A	14	14	14	14	14	14	14	14	14	12	12	12	12	12
15 DOUG TO CHELAN,C/N XCH	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16 CULOCK TO CHEL,PK SALE	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
17 TOTAL CONTRACTS IN		27	27	27	27	27	27	27	27	27	24	24	24	24	24
TOTAL DEDICATED RESOURCES															
18 ACQUIRED PRIOR TO ACT,	5B1A	148	150	150	150	149	149	148	150	149	148	148	145	148	179
19 ACQUIRED, POST ACT,	5B1B	172	174	177	182	181	182	180	183	182	184	183	175	177	183
20 TOTAL DEDICATED RESOURCES		320	324	327	332	330	331	327	333	331	331	331	319	325	363

TABLE D-7 (CONTINUED)

SHEET 2 OF 2

CHELAN COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
21 M HYDRO, ROCK ISLAND SHARE	-73	-75	-77	-77	-73	-73	-71	-75	-74	-76	-75	-68	-77	-81
22 CONT OUT, CHL TO PGE,C/N X	-50	-50	-50	-50	0	0	0	0	0	0	0	0	-50	-50
23 CONT IN, PGE TO CHL,C/N X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL NONDEDICATED RES	-123	-125	-127	-127	-73	-73	-71	-75	-74	-76	-75	-68	-127	-131
25 TOTAL RESOURCES	198	199	200	205	257	258	257	258	258	255	255	251	198	231

TABLE D-7

SHEET 1 OF 2

CHELAN COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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CHELAN COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS

REGULATED HYDRO

1	ROCKY REACH SHARE	5B1A	99	99	99	99	99	99	99	99	99	99	99	99	99	
2	ROCKY REACH SHARE	5B1B	97	97	97	97	97	97	97	97	97	97	97	97	97	
3	ROCK ISLAND SHARE	5B1A	32	33	33	33	32	32	30	32	33	33	29	32	33	
4	ROCK ISLAND SHARE	5B1B	75	76	77	77	74	74	75	73	76	76	68	74	82	
5	CHELAN SHR, PROJ+CONT	5B1A	32	32	32	32	31	31	30	30	30	30	9	20	32	
6	CHELAN CONTRACT	5B1B	26	26	26	25	26	25	24	24	24	25	8	17	26	
7	TOTAL HYDRO		362	363	364	363	359	358	353	358	356	359	360	312	339	369

LARGE THERMAL

OTHER RESOURCES

EXPORTS

IMPORTS

CONTRACTS OUT

8	CHELAN TO DOUG,C/N XCH	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
9	CANADIAN ENTIT (CSPE)	5B1A	-4	-4	-4	-4	-4	-4	-4	-4	-2	-2	-2	-2	-2
10	CANADIAN ENTITL (CAN)	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-8	-8	-8	-8	-8
11	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
12	TOTAL CONTRACTS OUT		-7	-7	-7	-7	-7	-7	-7	-7	-12	-12	-12	-12	-12

CONTRACTS IN

13	CSPE PURCHASE	5B1A	4	4	4	4	4	4	4	4	2	2	2	2	2
14	SUPPLEMENTAL CAPACITY	5B1A	8	8	8	8	8	8	8	8	4	4	4	4	4
15	DOUG TO CHELAN,C/N XCH	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
16	COLOCK TO CHEL,PK SALE	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6
17	TOTAL CONTRACTS IN		18	18	18	18	18	18	18	18	12	12	12	12	12

TOTAL DEDICATED RESOURCES

18	ACQUIRED PRIOR TO ACT,	5B1A	173	174	174	173	172	172	170	171	171	154	154	130	143	156
19	ACQUIRED, POST ACT,	5B1B	199	199	200	200	197	196	192	196	195	197	198	174	188	205
20	TOTAL DEDICATED RESOURCES		373	374	375	374	370	369	364	369	367	359	360	312	339	369

TABLE D-7 (CONTINUED)

SHEET 2 OF 2

CHELAN COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
21 M HYDRO, ROCK ISLAND SHARE	-97	-98	-99	-99	-94	-95	-91	-96	-94	-97	-97	-88	-96	-103
22 CONT OUT, CHL TO PGE,C/N X	-50	-50	-50	-50	0	0	0	0	0	0	0	0	-50	-50
23 CONT IN, PGE TO CHL,C/N X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL NONDEDICATED RES	-147	-148	-149	-149	-94	-95	-91	-96	-94	-97	-97	-88	-146	-153
25 TOTAL RESOURCES	227	226	226	225	276	275	273	273	273	261	262	224	194	215

TABLE D-7

CHELAN COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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CHELAN COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS

REGULATED HYDRO

		99	99	99	99	99	99	99	99	99	99	99	99	99
1	ROCKY REACH SHARE	5B1A	97	97	97	97	97	97	97	97	97	97	97	97
2	ROCKY REACH SHARE	5B1B	97	97	97	97	97	97	97	97	97	97	97	97
3	ROCK ISLAND SHARE	5B1A	171	171	171	171	173	173	175	172	173	171	176	173
4	ROCK ISLAND SHARE	5B1B	82	83	84	84	80	81	77	82	80	83	75	81
5	CHELAN SHR, PROJ+CONT	5B1A	32	32	32	32	31	31	30	30	30	30	9	20
6	CHELAN CONTRACT	5B1B	26	26	26	25	26	25	25	24	24	25	8	17
7	TOTAL HYDRO		508	508	509	508	507	506	504	504	504	505	465	487

LARGE THERMAL

OTHER RESOURCES

EXPORTS

IMPORTS

CONTRACTS OUT

8	CHELAN TO DOUG,C/N XCH	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
9	CANADIAN ENTIT (CSPE)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
10	CANADIAN ENTITL (CAN)	5B1A	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
11	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
12	TOTAL CONTRACTS OUT		-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18

CONTRACTS IN

13	CSPE PURCHASE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
14	SUPPLEMENTAL CAPACITY	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
15	DOUG TO CHELAN,C/N XCH	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
16	COLOCK TO CHEL,PK SALE	5B1A	6	6	6	6	6	6	6	6	6	6	6	6
17	TOTAL CONTRACTS IN		6	6	6	6	6	6	6	6	6	6	6	6

TOTAL DEDICATED RESOURCES

18	ACQUIRED PRIOR TO ACT,	5B1A	274	274	273	273	275	275	277	273	274	272	272	257
19	ACQUIRED, POST ACT,	5B1B	206	207	208	207	204	203	199	203	202	204	205	180
20	TOTAL DEDICATED RESOURCES		496	496	497	496	495	494	492	492	492	493	453	475

TABLE D-7 (CONTINUED)

SHEET 2 OF 2

CHELAN COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

2003- 4 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
21 M HYDRO, ROCK ISLAND SHARE	-104	-105	-106	-106	-101	-102	-97	-104	-101	-104	-105	-94	-102	-105
22 CONT OUT, CHL TO PGE,C/N X	-50	-50	-50	-50	0	0	0	0	0	0	0	0	-50	-50
23 CONT IN, PGE TO CHL,C/N X	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL NONDEDICATED RES	-154	-155	-156	-156	-101	-102	-97	-104	-101	-104	-105	-94	-152	-155
25 TOTAL RESOURCES	343	341	341	340	394	392	395	389	391	388	388	359	323	376

TABLE D-8

COWLITZ COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

		1994-95 OPERATING YEAR													1995 WRITEDBOOK: 18	
1930 WATER YEAR PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
			-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
COWLITZ COUNTY PUD #1																
DEDICATED RESOURCES																
HYDRO INDEPENDENTS																
REGULATED HYDRO																
1	WANAPUM SHARE	5B1A	25	25	25	25	25	25	25	25	25	25	25	25	25	25
2	PRIEST RAPIDS SHARE	5B1A	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3	SWIFT 1 SHARE	5B1B	69	60	69	66	59	55	51	53	58	59	59	0	68	66
4	SWIFT 2 SHARE	5B1B	15	15	17	19	19	19	19	19	20	20	18	0	15	15
5	TOTAL HYDRO		127	118	129	128	121	117	113	115	121	122	120	43	126	124
LARGE THERMAL																
OTHER RESOURCES																
EXPORTS																
IMPORTS																
CONTRACTS OUT																
6	CANADIAN ENTIT (CSPE)	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
7	CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	TOTAL CONTRACTS OUT		-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
CONTRACTS IN																
10	CSPE PURCHASE	5B1A	17	17	17	17	17	17	17	17	17	14	14	14	14	14
11	SUPPLEMENTAL CAPACITY	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
12	TOTAL CONTRACTS IN		21	21	21	21	21	21	21	21	21	18	18	18	18	18
TOTAL DEDICATED RESOURCES																
13	ACQUIRED PRIOR TO ACT,	5B1A	62	62	62	62	62	62	62	62	62	59	59	59	59	59
14	ACQUIRED, POST ACT,	5B1B	84	75	86	85	78	74	70	72	78	79	77	0	83	81
15	TOTAL DEDICATED RESOURCES		146	137	148	147	140	136	132	134	140	138	136	59	142	140
NONDEDICATED RESOURCES																
16	TOTAL NONDEDICATED RES		0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	TOTAL RESOURCES		146	137	148	147	140	136	132	134	140	138	136	59	142	140

TABLE D-8

COWLITZ COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS		1998-99 OPERATING YEAR													
		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
COWLITZ COUNTY PUD #1 DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
REGULATED HYDRO															
1	WANAPUM SHARE	5B1A	25	25	25	25	25	25	25	25	25	25	25	25	25
2	PRIEST RAPIDS SHARE	5B1A	18	18	18	18	18	18	18	18	18	18	18	18	18
3	SWIFT 1 SHARE	5B1B	69	60	69	66	59	55	51	53	58	59	59	0	68
4	SWIFT 2 SHARE	5B1B	15	15	17	19	19	19	19	20	20	18	0	15	15
5	TOTAL HYDRO		127	118	129	128	121	117	113	115	121	122	120	43	126
LARGE THERMAL															
OTHER RESOURCES															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
6	CANADIAN ENTIT (CSPE)	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	0	0	0	0	0
7	CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	-3	-3	-3	-3	-3
8	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
9	TOTAL CONTRACTS OUT		-2	-2	-2	-2	-2	-2	-2	-2	-3	-3	-3	-3	-3
CONTRACTS IN															
10	CSPE PURCHASE	5B1A	10	10	10	10	10	10	10	10	5	5	5	5	5
11	SUPPLEMENTAL CAPACITY	5B1A	4	4	4	4	4	4	4	4	0	0	0	0	0
12	TOTAL CONTRACTS IN		14	14	14	14	14	14	14	14	5	5	5	5	5
TOTAL DEDICATED RESOURCES															
13	ACQUIRED PRIOR TO ACT,	5B1A	55	55	55	55	55	55	55	55	42	42	42	42	42
14	ACQUIRED, POST ACT,	5B1B	84	75	86	85	78	74	70	72	79	77	0	83	81
15	TOTAL DEDICATED RESOURCES		139	130	141	140	133	129	125	127	124	122	45	128	126
NONDEDICATED RESOURCES															
16	TOTAL NONDEDICATED RES		0	0	0	0	0	0	0	0	0	0	0	0	0
17	TOTAL RESOURCES		139	130	141	140	133	129	125	127	124	122	45	128	126

TABLE D-8

COMLITZ COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003 - 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAMATTSAUG 1-15
AUG 16-31SEP
OCT
NOV
DEC
JAN
FEB
MAR
APR 1-15
APR 16-30
MAY
JUN
JULCOMLITZ COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS

REGULATED HYDRO

1 MANAPUM SHARE
2 PRIEST RAPIDS SHARE
3 SWIFT 1 SHARE
4 SWIFT 2 SHARE

5B1A	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
5B1A	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
5B1B	69	60	69	66	59	51	53	58	59	59	59	59	59	59	59	59	59	59	59
5B1B	15	15	17	19	19	19	19	20	20	20	20	20	20	20	20	20	20	20	20

5 TOTAL HYDRO

127	118	129	128	121	117	113	115	121	122	120	43	126	124
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LARGE THERMAL

OTHER RESOURCES

EXPORTS

IMPORTS

CONTRACTS OUT

6 CANADIAN ENTITL (CSPE)
7 CANADIAN ENTITL (CAN)
8 RESTORATION

5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5B1A	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

9 TOTAL CONTRACTS OUT

CONTRACTS IN

10 CSPE PURCHASE
11 SUPPLEMENTAL CAPACITY

5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

12 TOTAL CONTRACTS IN

TOTAL DEDICATED RESOURCES

13 ACQUIRED PRIOR TO ACT, 5B1A
14 ACQUIRED, POST ACT, 5B1B

35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
84	75	86	85	78	74	70	72	78	79	77	0	83	81						

15 TOTAL DEDICATED RESOURCES

NONDEDICATED RESOURCES

16 TOTAL NONDEDICATED RES
17 TOTAL RESOURCES

0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	114	125	124	117	113	109	111	117	118	116	39	122	120						

TABLE D-9

DOUGLAS COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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DOUGLAS COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS

REGULATED HYDRO

1 WELLS SHARE	5B1A	34	34	58	58	58	58	58	58	58	58	58	58	34
2 WELLS SHARE	5B1B	158	158	134	134	134	134	134	134	134	134	134	134	158
3 ROCKY REACH SHARE	5B1A	36	36	36	36	36	36	36	36	36	36	36	36	36
4 TOTAL HYDRO		228	228	228	228	228	228	228	228	228	228	228	228	228

LARGE THERMAL

OTHER RESOURCES

EXPORTS

IMPORTS

CONTRACTS OUT

5 CANADIAN ENTIT (CSPE)	5B1A	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-8	-8
6 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
7 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
8 DOUG TO CHEL,C/N XCHG	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
9 TOTAL CONTRACTS OUT		-9	-9	-9	-9	-9	-9	-9	-9	-9	-8	-8	-8	-8

CONTRACTS IN

10 CSPE PURCHASE	5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1
11 SUPPLEMENTAL CAPACITY	5B1A	18	18	18	18	18	18	18	18	16	16	16	16	16
12 CHEL TO DOUG,C/N XCHG	5B1A	2	2	2	2	2	2	2	2	2	2	2	2	2
13 TOTAL CONTRACTS IN		21	21	21	21	21	21	21	21	19	19	19	19	19

TOTAL DEDICATED RESOURCES

14 ACQUIRED PRIOR TO ACT,	5B1A	82	82	106	106	106	106	106	106	105	105	105	105	81
15 ACQUIRED, POST ACT,	5B1B	158	158	134	134	134	134	134	134	134	134	134	134	158
16 TOTAL DEDICATED RESOURCES		240	240	240	240	240	240	240	240	239	239	239	239	239

NONDEDICATED RESOURCES

17 TOTAL NONDEDICATED RES

18 TOTAL RESOURCES

TABLE D-9

DOUGLAS COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
DOUGLAS COUNTY PUD #1 DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
REGULATED HYDRO															
1	WELLS SHARE	5B1A	34	34	58	58	58	58	58	58	58	58	58	58	34
2	WELLS SHARE	5B1B	158	158	134	134	134	134	134	134	134	134	134	134	158
3	ROCKY REACH SHARE	5B1A	36	36	36	36	36	36	36	36	36	36	36	36	36
4	TOTAL HYDRO		228	228	228	228	228	228	228	228	228	228	228	228	228
LARGE THERMAL															
OTHER RESOURCES															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
5	CANADIAN ENTIT (CSPE)	5B1A	-5	-5	-5	-5	-5	-5	-5	-5	-2	-2	-2	-2	-2
6	CANADIAN ENTITL (CAN)	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-10	-10	-10	-10	-10
7	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
8	DOUG TO CHEL,C/N XCHG	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
9	TOTAL CONTRACTS OUT		-6	-6	-6	-6	-6	-6	-6	-6	-12	-12	-12	-12	-12
CONTRACTS IN															
10	CSPE PURCHASE	5B1A	1	1	1	1	1	1	1	1	0	0	0	0	0
11	SUPPLEMENTAL CAPACITY	5B1A	10	10	10	10	10	10	10	10	4	4	4	4	4
12	CHEL TO DOUG,C/N XCHG	5B1A	2	2	2	2	2	2	2	2	2	2	2	2	2
13	TOTAL CONTRACTS IN		13	13	13	13	13	13	13	13	6	6	6	6	6
TOTAL DEDICATED RESOURCES															
14	ACQUIRED PRIOR TO ACT,	5B1A	76	76	100	100	100	100	100	100	78	78	78	78	54
15	ACQUIRED, POST ACT,	5B1B	158	158	134	134	134	134	134	134	134	134	134	134	158
16	TOTAL DEDICATED RESOURCES		235	235	235	235	235	235	235	235	222	222	222	222	222
NONDEDICATED RESOURCES															
17	TOTAL NONDEDICATED.RES		0	0	0	0	0	0	0	0	0	0	0	0	0
18	TOTAL RESOURCES		235	235	235	235	235	235	235	235	222	222	222	222	222

DOUGLAS COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

2003- 4 OPERATING YEAR

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TABLE D-10

SHEET 1 OF 2

EUGENE WATER & ELECTRIC BOARD
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTSEUGENE WATER & ELECTRIC BOARD
DEDICATED RESOURCES

HYDRO INDEPENDENTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 LEABURG	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2 WATERVILLE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REGULATED HYDRO

3 CARMEN-SMITH	5B1A	42	39	38	33	30	52	43	58	48	49	31	36	42	37
4 TRAIL BRIDGE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5 WANAPUM DED SHARE	5B1A	17	17	17	17	17	17	17	17	17	17	17	17	17	17
6 PRIEST RAPIDS DED SHR	5B1A	12	12	12	12	12	12	12	12	12	12	12	12	12	12
7 TOTAL HYDRO		76	73	72	67	64	86	77	92	82	83	65	70	76	71

LARGE THERMAL

OTHER RESOURCES

8 NON-UTILITY GENERATION	5B1B	0	0	0	5	6	4	0	1	2	9	9	37	37	11
9 TOTAL OTHER RESOURCES		0	0	0	5	6	4	0	1	2	9	9	37	37	11

EXPORTS

IMPORTS

CONTRACTS OUT

10 CANADIAN ENTIT (CSPE)	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
11 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TOTAL CONTRACTS OUT		-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2

CONTRACTS IN

14 CSPE PURCHASE	5B1A	37	37	37	37	37	37	37	37	37	32	32	32	32	32
15 SUPPLEMENTAL CAPACITY	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16 TOTAL CONTRACTS IN		41	41	41	41	41	41	41	41	41	36	36	36	36	36

TOTAL DEDICATED RESOURCES

17 ACQUIRED PRIOR TO ACT,	5B1A	115	112	111	106	103	125	116	131	121	117	99	104	110	105
18 ACQUIRED, POST ACT,	5B1B	0	0	0	5	6	4	0	1	2	9	9	37	37	11
19 TOTAL DEDICATED RESOURCES		115	112	111	111	109	129	116	132	123	126	108	141	147	116

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TABLE D-10 (CONTINUED)

EUGENE WATER & ELECTRIC BOARD
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
20 M HYDRO, WANAPUM SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21 M HYDRO, PRIEST RAPIDS SHARE	3	3	3	3	3	3	3	3	3	3	3	3	3	3
22 COGEN, WEYCO ENERGY CTR	20	20	20	20	20	0	20	20	20	20	20	20	20	0
23 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL NONDEDICATED RES	26	26	26	26	26	6	26	26	26	26	26	26	26	6
25 TOTAL RESOURCES	141	138	137	137	135	135	142	158	149	152	134	167	173	122

TABLE D-10 (CONTINUED)

SHEET 2 OF 2

EUGENE WATER & ELECTRIC BOARD
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
20 M HYDRO, WANAPUM SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21 M HYDRO, PRIEST RAPIDS SHARE	3	3	3	3	3	3	3	3	3	3	3	3	3	3
22 COGEN, WEYCO ENERGY CTR	20	20	20	20	20	0	20	20	20	20	20	20	20	0
23 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL NONDEDICATED RES	26	26	26	26	26	6	26	26	26	26	26	26	26	6
25 TOTAL RESOURCES	126	123	122	122	119	120	127	143	133	127	109	142	148	97

TABLE D-10

SHEET 1 OF 2

EUGENE WATER & ELECTRIC BOARD
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

2003- 4 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
EUGENE WATER & ELECTRIC BOARD DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
1	LEABURG	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
2	WATERVILLE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
REGULATED HYDRO															
3	CARMEN-SMITH	5B1A	42	39	38	33	30	52	43	58	48	49	31	36	42
4	TRAIL BRIDGE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4
5	WANAPUM DED SHARE	5B1A	17	17	17	17	17	17	17	17	17	17	17	17	17
6	PRIEST RAPIDS DED SHR	5B1A	12	12	12	12	12	12	12	12	12	12	12	12	12
7	TOTAL HYDRO		76	73	72	67	64	86	77	92	82	83	65	70	71
LARGE THERMAL															
OTHER RESOURCES															
8	NON-UTILITY GENERATION	5B1B	0	0	0	5	5	4	0	1	1	9	9	37	11
9	TOTAL OTHER RESOURCES		0	0	0	5	5	4	0	1	1	9	9	37	11
EXPORTS															
IMPORTS															
CONTRACTS OUT															
10	CANADIAN ENTIT (CSPE)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
11	CANADIAN ENTITL (CAN)	5B1A	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
12	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
13	TOTAL CONTRACTS OUT		-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
CONTRACTS IN															
14	CSPE PURCHASE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
15	SUPPLEMENTAL CAPACITY	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
16	TOTAL CONTRACTS IN		0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEDICATED RESOURCES															
17	ACQUIRED PRIOR TO ACT,	5B1A	73	70	69	64	61	83	74	89	79	80	62	67	73
18	ACQUIRED, POST ACT,	5B1B	0	0	0	5	5	4	0	1	1	9	9	37	11
19	TOTAL DEDICATED RESOURCES		73	70	69	69	66	87	74	90	80	89	71	104	79

TABLE D-10 (CONTINUED)

EUGENE WATER & ELECTRIC BOARD
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
20 M HYDRO, WANAPUM SHARE	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21 M HYDRO, PRIEST RAPIDS SHARE	3	3	3	3	3	3	3	3	3	3	3	3	3	3
22 COGEN, WEYCO ENERGY CTR	20	20	20	20	20	0	20	20	20	20	20	20	20	0
23 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 TOTAL NONDEDICATED RES	26	26	26	26	26	6	26	26	26	26	26	26	26	6
25 TOTAL RESOURCES	99	96	95	95	92	93	100	116	106	115	97	130	136	85

TABLE D-11

SHEET 1 OF 2

GRANT COUNTY PUD #2
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
--	-------------	--------------	-----	-----	-----	-----	-----	-----	-----	-------------	--------------	-----	-----	-----

GRANT COUNTY PUD #2
DEDICATED RESOURCES

HYDRO INDEPENDENTS

REGULATED HYDRO

1	WANAPUM SHARE	5B1A	154	154	167	167	167	167	167	167	167	167	167	167	154
2	WANAPUM SHARE	5B1B	145	145	132	132	132	132	132	132	132	132	132	132	145
3	PRIEST RAPIDS SHARE	5B1A	152	152	177	177	177	177	177	177	177	177	177	177	152
4	PRIEST RAPIDS DED SHR	5B1B	143	143	118	118	118	118	118	118	118	118	118	118	143
5	TOTAL HYDRO		594	594	594	594	594	594	594	594	594	594	594	594	594

LARGE THERMAL

OTHER RESOURCES

6	NON-UTILITY GENERATION	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0
7	TOTAL OTHER RESOURCES		0	0	0	0	0	0	0	0	0	0	0	0	0

EXPORTS

IMPORTS

CONTRACTS OUT

8	CANADIAN ENTIT (CSPE)	5B1A	-30	-30	-30	-30	-30	-30	-30	-30	-25	-25	-25	-25	-25
9	CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
10	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
11	CNT OUT, GRT TO PP&L, PS	5B1B	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14
12	TOTAL CONTRACTS OUT		-44	-44	-44	-44	-44	-44	-44	-44	-39	-39	-39	-39	-39

CONTRACTS IN

13	CSPE PURCHASE	5B1A	3	3	3	3	3	3	3	3	2	2	2	2	2
14	SUPPLEMENTAL CAPACITY	5B1A	60	60	60	60	60	60	60	60	50	50	50	50	50
15	TOTAL CONTRACTS IN		63	63	63	63	63	63	63	63	52	52	52	52	52

TOTAL DEDICATED RESOURCES

16	ACQUIRED PRIOR TO ACT,	5B1A	339	339	377	377	377	377	377	377	371	371	371	371	333
17	ACQUIRED, POST ACT,	5B1B	274	274	236	236	236	236	236	236	236	236	236	274	
18	TOTAL DEDICATED RESOURCES		613	613	613	613	613	613	613	613	607	607	607	607	

TABLE D-11 (CONTINUED)

SHEET 2 OF 2

GRANT COUNTY PUD #2
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
19 M HYDRO, WANAPUM SHARE	33	33	33	33	33	33	33	33	33	33	33	33	33	33
20 M HYDRO, PRIEST RAPIDS	32	32	32	32	32	32	32	32	32	32	32	32	32	32
21 NON-UTILITY GENERATION	14	14	11	8	0	0	0	0	8	13	13	16	15	15
21 TOTAL NONDEDICATED RES	79	79	76	73	65	65	65	65	73	78	78	81	80	80
22 TOTAL RESOURCES	692	692	689	686	678	678	678	678	686	685	685	688	687	687

TABLE D-11

SHEET 1 OF 2

GRANT COUNTY PUD #2
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>															
GRANT COUNTY PUD #2 DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
REGULATED HYDRO															
1	WANAPUM SHARE	5B1A	154	154	167	167	167	167	167	167	167	167	167	167	154
2	WANAPUM SHARE	5B1B	145	145	132	132	132	132	132	132	132	132	132	132	145
3	PRIEST RAPIDS SHARE	5B1A	152	152	177	177	177	177	177	177	177	177	177	177	152
4	PRIEST RAPIDS DED SHR	5B1B	143	143	118	118	118	118	118	118	118	118	118	118	143
<hr/>															
5	TOTAL HYDRO		594	594	594	594	594	594	594	594	594	594	594	594	594
<hr/>															
LARGE THERMAL															
OTHER RESOURCES															
6	NON-UTILITY GENERATION	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0
<hr/>															
7	TOTAL OTHER RESOURCES		0	0	0	0	0	0	0	0	0	0	0	0	0
<hr/>															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
8	CANADIAN ENTIT (CSPE)	5B1A	-18	-18	-18	-18	-18	-18	-18	-18	-9	-9	-9	-9	-9
9	CANADIAN ENTITL (CAN)	5B1A	-6	-6	-6	-6	-6	-6	-6	-6	-35	-35	-35	-35	-35
10	RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
11	CNT OUT, GRT TO PP&L, PS	5B1B	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14
<hr/>															
12	TOTAL CONTRACTS OUT		-38	-38	-38	-38	-38	-38	-38	-38	-58	-58	-58	-58	-58
<hr/>															
CONTRACTS IN															
13	CSPE PURCHASE	5B1A	2	2	2	2	2	2	2	2	1	1	1	1	1
14	SUPPLEMENTAL CAPACITY	5B1A	36	36	36	36	36	36	36	36	18	18	18	18	18
<hr/>															
15	TOTAL CONTRACTS IN		38	38	38	38	38	38	38	38	19	19	19	19	19
<hr/>															
TOTAL DEDICATED RESOURCES															
16	ACQUIRED PRIOR TO ACT,	5B1A	314	314	352	352	352	352	352	352	284	284	284	284	246
17	ACQUIRED, POST ACT,	5B1B	274	274	236	236	236	236	236	236	236	236	236	236	274
<hr/>															
18	TOTAL DEDICATED RESOURCES		594	594	594	594	594	594	594	594	555	555	555	555	555

TABLE D-11 (CONTINUED)

SHEET 2 OF 2

GRANT COUNTY PUD #2
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
19 M HYDRO, WANAPUM SHARE	33	33	33	33	33	33	33	33	33	33	33	33	33	33
20 M HYDRO, PRIEST RAPIDS	32	32	32	32	32	32	32	32	32	32	32	32	32	32
21 NON-UTILITY GENERATION	14	14	11	8	0	0	0	0	8	13	13	16	15	15
21 TOTAL NONDEDICATED RES	79	79	76	73	65	65	65	65	73	78	78	81	80	80
22 TOTAL RESOURCES	673	673	670	667	659	659	659	659	667	633	633	636	635	635

TABLE D-11

SHEET 1 OF 2

GRANT COUNTY PUD #2
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

GRANT COUNTY PUD #2
DEDICATED RESOURCES

HYDRO INDEPENDENTS

REGULATED HYDRO

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1	WANAPUM SHARE 5B1A	154	154	167	167	167	167	167	167	167	167	167	167	167	154
2	WANAPUM SHARE 5B1B	145	145	132	132	132	132	132	132	132	132	132	132	132	145
3	PRIEST RAPIDS SHARE 5B1A	152	152	177	177	177	177	177	177	177	177	177	177	177	152
4	PRIEST RAPIDS DED SHR 5B1B	143	143	118	118	118	118	118	118	118	118	118	118	118	143
5	TOTAL HYDRO	594	594	594	594	594	594	594	594	594	594	594	594	594	594

LARGE THERMAL

OTHER RESOURCES

6	NON-UTILITY GENERATION 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	TOTAL OTHER RESOURCES	0	0	0	0	0	0	0	0	0	0	0	0	0	0

EXPORTS

IMPORTS

CONTRACTS OUT

8	CANADIAN ENTIT (CSPE) 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	CANADIAN ENTITL (CAN) 5B1A	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64	-64
10	RESTORATION 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	CNT OUT, GRT TO PP&L, PS 5B1B	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14
12	TOTAL CONTRACTS OUT	-78	-78	-78	-78	-78	-78	-78	-78	-78	-78	-78	-78	-78	-78

CONTRACTS IN

13	CSPE PURCHASE 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	SUPPLEMENTAL CAPACITY 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	TOTAL CONTRACTS IN	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL DEDICATED RESOURCES

16	ACQUIRED PRIOR TO ACT, 5B1A	178	178	216	216	216	216	216	216	216	216	216	216	216	178
17	ACQUIRED, POST ACT, 5B1B	274	274	236	236	236	236	236	236	236	236	236	236	236	274
18	TOTAL DEDICATED RESOURCES	516	516	516	516	516	516	516	516	516	516	516	516	516	516

TABLE D-11 (CONTINUED)

SHEET 2 OF 2

GRANT COUNTY PUD #2
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
19 M HYDRO, WANAPUM SHARE	33	33	33	33	33	33	33	33	33	33	33	33	33	33
20 M HYDRO, PRIEST RAPIDS	32	32	32	32	32	32	32	32	32	32	32	32	32	32
21 NON-UTILITY GENERATION	14	14	11	8	0	0	0	0	8	13	13	16	15	15
21 TOTAL NONDEDICATED RES	79	79	76	73	65	65	65	65	73	78	78	81	80	80
22 TOTAL RESOURCES	595	595	592	589	581	581	581	581	589	594	594	597	596	596

TABLE D-12

PEND OREILLE COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>															
PEND OREILLE COUNTY PUD #1 DEDICATED RESOURCES															
<hr/>															
HYDRO INDEPENDENTS															
1 CALISPEL CREEK	5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
<hr/>															
REGULATED HYDRO															
2 BOX CANYON DED SHARE	5B1A	35	36	33	32	34	34	34	33	34	32	31	31	33	34
3 TOTAL HYDRO		36	37	34	33	35	35	35	34	35	33	32	32	34	35
<hr/>															
LARGE THERMAL															
OTHER RESOURCES															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
4 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 PEND O TO SCL,PWR SALE	5B1A	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
6 TOTAL CONTRACTS OUT		-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
<hr/>															
CONTRACTS IN															
7 CSPE PURCHASE	5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 TOTAL CONTRACTS IN		1	1	1	1	1	1	1	1	1	1	1	1	1	1
<hr/>															
TOTAL DEDICATED RESOURCES															
9 ACQUIRED PRIOR TO ACT, 5B1A		17	18	15	14	16	16	16	15	16	14	13	13	15	16
10 ACQUIRED, POST ACT, 5B1B		0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL DEDICATED RESOURCES		17	18	15	14	16	16	16	15	16	14	13	13	15	16
<hr/>															
NONDEDICATED RESOURCES															
12 M.HYD.,BOX CANYON AF ENC.PD		47	47	47	47	47	47	47	47	47	47	47	47	47	47
13 C.I., SCL TO PEND O ,PWR SA		28	28	28	28	28	28	28	28	28	28	28	28	28	28
14 C.I., WWP TO PEND O ,PWR SA		13	13	13	13	13	13	13	13	13	13	13	13	13	13
15 TOTAL NONDEDICATED RES		88	88	88	88	88	88	88	88	88	88	88	88	88	88
16 TOTAL RESOURCES		105	106	103	102	104	104	104	103	104	102	101	101	103	104

TABLE D-12

PEND OREILLE COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15 AUG 16-31 SEP OCT NOV DEC JAN FEB MAR APR 1-15 APR 16-30 MAY JUN JUL

PEND OREILLE COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS															
1 CALISPEL CREEK	5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
REGULATED HYDRO															
2 BOX CANYON DED SHARE	5B1A	36	40	38	36	37	38	38	38	37	35	35	37	37	37
3 TOTAL HYDRO		37	41	39	37	38	39	39	39	38	36	36	38	38	38
LARGE THERMAL															
OTHER RESOURCES															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
4 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 PEND O TO SCL,PWR SALE	5B1A	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
6 TOTAL CONTRACTS OUT		-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
CONTRACTS IN															
7 CSPE PURCHASE	5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 TOTAL CONTRACTS IN		1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTAL DEDICATED RESOURCES															
9 ACQUIRED PRIOR TO ACT, 5B1A		22	26	24	22	23	24	24	24	23	21	21	23	23	23
10 ACQUIRED, POST ACT, 5B1B		0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 TOTAL DEDICATED RESOURCES		22	26	24	22	23	24	24	24	23	21	21	23	23	23
NONDEDICATED RESOURCES															
12 M.HYD., BOX CANYON AF ENC.PD		43	43	43	43	43	43	43	43	43	43	43	43	43	43
13 C.I., SCL TO PEND O ,PWR SA		32	32	32	32	32	32	32	32	32	32	32	32	32	32
14 C.I., WWP TO PEND O ,PWR SA		0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 TOTAL NONDEDICATED RES		75	75	75	75	75	75	75	75	75	75	75	75	75	75
16 TOTAL RESOURCES		97	101	99	97	98	99	99	99	98	96	96	98	98	98

TABLE D-12

PEND OREILLE COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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PEND OREILLE COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS

1 CALISPEL CREEK	5B1A	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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REGULATED HYDRO

2 BOX CANYON DED SHARE	5B1A	40	44	42	40	41	42	42	42	42	41	39	39	41	41
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3 TOTAL HYDRO		41	45	43	41	42	43	43	43	43	42	40	40	42	42
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LARGE THERMAL

OTHER RESOURCES

EXPORTS

IMPORTS

CONTRACTS OUT

4 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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5 PEND O TO SCL,PWR SALE	5B1A	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
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6 TOTAL CONTRACTS OUT		-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
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CONTRACTS IN

7 CSPE PURCHASE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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8 TOTAL CONTRACTS IN		0	0	0	0	0	0	0	0	0	0	0	0	0	0
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TOTAL DEDICATED RESOURCES

9 ACQUIRED PRIOR TO ACT, 5B1A		29	33	31	29	30	31	31	31	31	30	28	28	30	30
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10 ACQUIRED, POST ACT, 5B1B		0	0	0	0	0	0	0	0	0	0	0	0	0	0
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11 TOTAL DEDICATED RESOURCES		29	33	31	29	30	31	31	31	31	30	28	28	30	30
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NONDEDICATED RESOURCES

12 M.HYD.,BOX CANYON AF ENC.PD		39	39	39	39	39	39	39	39	39	39	39	39	39	39
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13 C.I., SCL TO PEND O ,PWR SA		36	36	36	36	36	36	36	36	36	36	36	36	36	36
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14 C.I., WWP TO PEND O ,PWR SA		0	0	0	0	0	0	0	0	0	0	0	0	0	0
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15 TOTAL NONDEDICATED RES		75	75	75	75	75	75	75	75	75	75	75	75	75	75
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16 TOTAL RESOURCES		104	108	106	104	105	106	106	106	106	105	103	103	105	105
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TABLE D-13

SEATTLE CITY LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTSSEATTLE CITY LIGHT
DEDICATED RESOURCES

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>															
HYDRO INDEPENDENTS															
1 CEDAR FALLS, NEWHALEM	5B1A	30	30	30	30	30	3	30	30	30	30	30	30	30	10
2 SOUTH FORK TOLT	5B1B	0	0	0	0	7	7	7	7	7	0	0	0	0	0
REGULATED HYDRO															
3 ROSS	5B1A	224	328	343	421	401	377	348	325	310	314	343	332	420	442
4 DIABLO	5B1A	159	159	159	159	159	159	159	159	159	159	159	159	159	159
5 GORGE	5B1A	177	177	177	177	177	177	177	177	177	176	176	176	177	177
6 BOUNDARY	5B1A	635	635	635	635	635	635	635	635	635	635	635	635	635	635
7 BOUNDARY EXPANSION	5B1B	210	210	210	210	210	210	210	210	210	210	323	325	210	210
8 PRIEST RADIPS SHARE	5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72	72
9 TOTAL HYDRO		1507	1611	1626	1704	1691	1640	1638	1615	1600	1596	1738	1729	1703	1705
LARGE THERMAL															
10 CENTRALIA SHARE	5B1A	105	105	105	105	105	105	105	105	105	105	105	52	105	105
11 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	105	52	105	105
OTHER RESOURCES															
12 NON-UTILITY GENERATION		121	121	75	28	4	5	10	12	27	88	88	134	142	138
EXPORTS															
IMPORTS															
13 BC TO SCL, ROSS RPLC	5B1B	143	143	143	143	129	151	186	220	239	143	143	143	143	143
14 TOTAL IMPORTS		143	143	143	143	129	151	186	220	239	143	143	143	143	143
CONTRACTS OUT															
15 CANADIAN ENTIT (CSPE)	5B1A	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
16 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SCL TO PEND O, PS	5B1A	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28
18 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 TOTAL CONTRACTS OUT		-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31	-31

TABLE D-13 (CONTINUED)

SHEET 2 OF 2

SEATTLE CITY LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
20 CSPE PURCHASE 5B1A	83	83	83	83	83	83	83	83	83	72	72	72	72	72
21 SUPPLEMENTAL CAPACITY 5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
22 PEND 0 TO SCL,PWR SALE 5B1A	20	20	20	20	20	20	20	20	20	20	20	20	20	20
23 TOTAL CONTRACTS IN	109	109	109	109	109	109	109	109	109	98	98	98	98	98
TOTAL DEDICATED RESOURCES														
24 ACQUIRED PRIOR TO ACT, 5B1A	1480	1584	1599	1677	1657	1606	1604	1581	1566	1558	1587	1523	1665	1667
25 ACQUIRED, POST ACT, 5B1B	474	474	428	381	350	373	413	449	483	441	554	602	495	491
26 TOTAL DEDICATED RESOURCES	1954	2058	2027	2058	2007	1979	2017	2030	2049	1999	2141	2125	2160	2158
NONDEDICATED RESOURCES														
27 SM THRM & MISC, BOUNDARY	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 IMP, NCPA TO SCL, EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 EXP, SCL TO NCPA, EXCHANGE	-48	-48	-62	-31	0	0	0	0	0	0	0	0	-62	-62
30 C.O., SCL TO ID, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 C.O., SCL TO TCL, EXCHANGE	0	0	0	-50	0	0	0	0	0	0	0	0	0	0
32 C.I., ID TO SCL, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 C.I., TCL TO SCL, EXCHANGE	50	50	0	0	0	0	0	0	0	0	0	0	0	0
34 TOTAL NONDEDICATED RES	3	3	-61	-80	1	1	1	1	1	1	1	1	-61	-61
35 TOTAL RESOURCES	1957	2061	1966	1978	2008	1980	2018	2031	2050	2000	2142	2126	2099	2097

TABLE D-13

SEATTLE CITY LIGHT
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR PEAK IN MEGAWATTS		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
SEATTLE CITY LIGHT DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
1 CEDAR FALLS, NEWHALEM	5B1A	30	30	30	30	30	3	30	30	30	30	30	30	30	10
2 SOUTH FORK TOLT	5B1B	0	0	0	0	7	7	7	7	7	0	0	0	0	0
REGULATED HYDRO															
3 ROSS	5B1A	224	328	343	421	401	377	348	325	310	314	342	332	420	442
4 DIABLO	5B1A	159	159	159	159	159	159	159	159	159	159	159	159	159	159
5 GORGE	5B1A	177	177	177	177	177	177	177	177	177	176	176	176	177	177
6 BOUNDARY	5B1A	635	635	635	635	635	635	635	635	635	635	635	635	635	635
7 BOUNDARY EXPANSION	5B1B	210	210	210	210	210	210	210	210	210	210	341	325	210	210
8 PRIEST RADIPS SHARE	5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72	72
9 TOTAL HYDRO		1507	1611	1626	1704	1691	1640	1638	1615	1600	1596	1755	1729	1703	1705
LARGE THERMAL															
10 CENTRALIA SHARE	5B1A	105	105	105	105	105	105	105	105	105	105	105	52	52	105
11 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	105	52	52	105
OTHER RESOURCES															
12 NON-UTILITY GENERATION		121	121	75	27	4	5	10	12	27	88	88	134	141	138
EXPORTS															
IMPORTS															
13 BC TO SCL, ROSS RPLC	5B1B	143	143	143	143	129	151	186	220	239	143	143	143	143	143
14 TOTAL IMPORTS		143	143	143	143	129	151	186	220	239	143	143	143	143	143
CONTRACTS OUT															
15 CANADIAN ENTIT (CSPE)	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
16 CANADIAN ENTITL (CAN)	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-4	-4	-4	-4	-4
17 SCL TO PEND O, PS	5B1A	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32
18 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 TOTAL CONTRACTS OUT		-35	-35	-35	-35	-35	-35	-35	-35	-35	-37	-37	-37	-37	-37

TABLE D-13 (CONTINUED)

SHEET 2 OF 2

SEATTLE CITY LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
20 CSPE PURCHASE 5B1A	52	52	52	52	52	52	52	52	52	25	25	25	25	25
21 SUPPLEMENTAL CAPACITY 5B1A	4	4	4	4	4	4	4	4	4	2	2	2	2	2
22 PEND 0 TO SCL,PWR SALE 5B1A	16	16	16	16	16	16	16	16	16	16	16	16	16	16
23 TOTAL CONTRACTS IN	72	72	72	72	72	72	72	72	72	43	43	43	43	43
TOTAL DEDICATED RESOURCES														
24 ACQUIRED PRIOR TO ACT, 5B1A	1439	1543	1558	1636	1616	1565	1563	1540	1525	1497	1525	1462	1551	1606
25 ACQUIRED, POST ACT, 5B1B	474	474	428	380	350	373	413	449	483	441	572	602	494	491
26 TOTAL DEDICATED RESOURCES	1913	2017	1986	2016	1966	1938	1976	1989	2008	1938	2097	2064	2045	2097
NONDEDICATED RESOURCES														
27 SM THRM & MISC, BOUNDARY	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 IMP, NCPA TO SCL, EXCHANGE	0	0	0	0	0	46	46	46	46	12	12	0	0	0
29 EXP, SCL TO NCPA, EXCHANGE	-48	-48	-62	-31	0	0	0	0	0	0	0	0	-62	-62
30 C.O., SCL TO ID, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 C.O., SCL TO TCL, EXCHANGE	0	0	0	-50	0	0	0	0	0	0	0	0	0	0
32 C.I., ID TO SCL, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 C.I., TCL TO SCL, EXCHANGE	50	50	0	0	0	0	0	0	0	0	0	0	0	0
34 TOTAL NONDEDICATED RES	3	3	-61	-80	1	47	47	47	47	13	13	1	-61	-61
35 TOTAL RESOURCES	1916	2020	1925	1936	1967	1985	2023	2036	2055	1951	2110	2065	1984	2036

TABLE D-13

SEATTLE CITY LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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SEATTLE CITY LIGHT
DEDICATED RESOURCES

HYDRO INDEPENDENTS
1 CEDAR FALLS, NEWHALEM
2 SOUTH FORK TOLT

5B1A	30	30	30	30	30	3	30	30	30	30	30	30	30	10
5B1B	0	0	0	0	7	7	7	7	7	0	0	0	0	0

REGULATED HYDRO

3 ROSS
4 DIABLO
5 GORGE
6 BOUNDARY
7 BOUNDARY EXPANSION
8 PRIEST RADIPS SHARE

5B1A	224	328	343	421	401	377	348	325	310	314	342	332	420	442
5B1A	159	159	159	159	159	159	159	159	159	159	159	159	159	159
5B1A	177	177	177	177	177	177	177	177	177	176	176	176	177	
5B1A	635	635	635	635	635	635	635	635	635	635	635	635	635	
5B1B	210	210	210	210	210	210	210	210	210	210	341	325	210	
5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72	

9 TOTAL HYDRO

	1507	1611	1626	1704	1691	1640	1638	1615	1600	1596	1755	1729	1703	1705
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LARGE THERMAL
10 CENTRALIA SHARE

5B1A	105	105	105	105	105	105	105	105	105	105	105	52	105	105
	105	105	105	105	105	105	105	105	105	105	105	52	105	105

11 TOTAL LARGE THERMAL

OTHER RESOURCES
12 NON-UTILITY GENERATION

	121	121	75	27	4	5	10	12	27	88	88	134	141	138
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EXPORTS

IMPORTS
13 BC TO SCL, ROSS RPLC

5B1B	143	143	143	143	129	151	186	220	239	143	143	143	143	143
	143	143	143	143	129	151	186	220	239	143	143	143	143	143

14 TOTAL IMPORTS

CONTRACTS OUT
15 CANADIAN ENTIT (CSPE)
16 CANADIAN ENTITL (CAN)
17 SCL TO PEND O, PS
18 RESTORATION

5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5B1A	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
5B1A	-36	-36	-36	-36	-36	-36	-36	-36	-36	-36	-36	-36	-36	-36
5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	

19 TOTAL CONTRACTS OUT

	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42
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TABLE D-13 (CONTINUED)

SHEET 2 OF 2

SEATTLE CITY LIGHT
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
CONTRACTS IN														
20 CSPE PURCHASE 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21 SUPPLEMENTAL CAPACITY 5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22 PEND O TO SCL,PWR SALE 5B1A	12	12	12	12	12	12	12	12	12	12	12	12	12	12
23 TOTAL CONTRACTS IN	12	12	12	12	12	12	12	12	12	12	12	12	12	12
TOTAL DEDICATED RESOURCES														
24 ACQUIRED PRIOR TO ACT, 5B1A	1372	1476	1491	1569	1549	1498	1496	1473	1458	1461	1489	1426	1568	1570
25 ACQUIRED, POST ACT, 5B1B	474	474	428	380	350	373	413	449	483	441	572	602	494	491
26 TOTAL DEDICATED RESOURCES	1846	1950	1919	1949	1899	1871	1909	1922	1941	1902	2061	2028	2062	2061
NONDEDICATED RESOURCES														
27 SM THRM & MISC, BOUNDARY	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28 IMP, NCPA TO SCL, EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 EXP, SCL TO NCPA, EXCHANGE	-48	-48	-62	-31	0	0	0	0	0	0	0	0	-62	-62
30 C.O., SCL TO ID, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 C.O., SCL TO TCL, EXCHANGE	0	0	0	-50	0	0	0	0	0	0	0	0	0	0
32 C.I., ID TO SCL, NRG SALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33 C.I., TCL TO SCL, EXCHANGE	50	50	0	0	0	0	0	0	0	0	0	0	0	0
34 TOTAL NONDEDICATED RES	3	3	-61	-80	1	1	1	1	1	1	1	1	-61	-61
35 TOTAL RESOURCES	1849	1953	1858	1869	1900	1872	1910	1923	1942	1903	2062	2029	2001	2000

TABLE D-14

SNOHOMISH COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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SNOHOMISH COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS 1 JACKSON	5B1B	103	103	103	103	103	103	103	103	103	103	103	103	103
REGULATED HYDRO														
TOTAL HYDRO		103	103	103	103	103	103	103	103	103	103	103	103	103
LARGE THERMAL 2 CENTRALIA SHARE	5B1B	105	105	105	105	105	105	105	105	105	105	53	105	105
3 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	53	105	105
OTHER RESOURCES														
4 NON-UTILITY GEN	5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1
5 SCOTT PAPER, COGEN	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0
6 TOTAL OTHER RESOURCES		1	1	1	1	1	1	1	1	1	1	1	1	1
EXPORTS														
IMPORTS														
CONTRACTS OUT														
CONTRACTS IN														
7 CSPE PURCHASE	5B1A	10	10	10	10	10	10	10	10	9	9	9	9	9
8 TOTAL CONTRACTS IN		10	10	10	10	10	10	10	10	9	9	9	9	9
TOTAL DEDICATED RESOURCES														
9 ACQUIRED PRIOR TO ACT,	5B1A	10	10	10	10	10	10	10	10	9	9	9	9	9
10 ACQUIRED, POST ACT,	5B1B	209	209	209	209	209	209	209	209	209	209	157	209	209
11 TOTAL DEDICATED RESOURCES		219	219	219	219	219	219	219	219	218	218	166	218	218
NONDEDICATED RESOURCES														
12 NON-UTILITY GENERATION		0	0	0	0	0	0	0	0	0	0	0	0	0
13 CONT OUT, SNOH TO PSP&L, PS P		-5	-5	-5	-6	-7	-10	-10	-8	-7	-7	-6	-5	-5
14 EXPORT, SNOH TO SMUD, PS		0	0	0	0	0	0	0	0	0	0	0	0	0
15 COGEN, SCOTT PAPER		0	0	0	0	0	0	0	0	0	0	0	0	0
16 TOTAL NONDEDICATED RES		-5	-5	-5	-6	-7	-10	-10	-8	-7	-7	-6	-5	-5
17 TOTAL RESOURCES		214	214	214	213	212	209	209	211	212	211	160	213	213

TABLE D-14

SNOHOMISH COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

SNOHOMISH COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 JACKSON	5B1B	103	103	103	103	103	103	103	103	103	103	103	103	103	103

REGULATED HYDRO

TOTAL HYDRO		103	103	103	103	103	103	103	103	103	103	103	103	103	103
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LARGE THERMAL

2 CENTRALIA SHARE	5B1B	105	105	105	105	105	105	105	105	105	105	105	53	53	105
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3 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	105	53	53	105
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OTHER RESOURCES

4 NON-UTILITY GEN	5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
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5 SCOTT PAPER, COGEN	5B1B	6	6	4	4	4	4	4	4	4	6	6	6	6	6
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6 TOTAL OTHER RESOURCES		1	1	1	1	1	1	1	1	1	1	1	1	1	1
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EXPORTS

IMPORTS

CONTRACTS OUT

CONTRACTS IN

7 CSPE PURCHASE	5B1A	6	6	6	6	6	6	6	6	6	3	3	3	3	3
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8 TOTAL CONTRACTS IN		6	6	6	6	6	6	6	6	6	3	3	3	3	3
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TOTAL DEDICATED RESOURCES

9 ACQUIRED PRIOR TO ACT, 5B1A		6	6	6	6	6	6	6	6	6	3	3	3	3	3
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10 ACQUIRED, POST ACT, 5B1B		209	209	209	209	209	209	209	209	209	209	209	157	157	209
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11 TOTAL DEDICATED RESOURCES		215	215	215	215	215	215	215	215	215	212	212	160	160	212
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NONDEDICATED RESOURCES

12 NON-UTILITY GENERATION		0	0	0	0	0	0	0	0	0	0	0	0	0	0
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13 CONT OUT, SNOH TO PSP&L, PS P		-5	-5	-5	-6	-7	-10	-10	-8	-7	-7	-7	-6	-5	-5
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14 EXPORT, SNOH TO SMUD, PS		-32	-32	-23	-23	-23	-23	-23	-23	-23	-32	-32	-32	-32	-32
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15 COGEN, SCOTT PAPER		32	32	23	23	23	23	23	23	23	32	32	32	32	32
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16 TOTAL NONDEDICATED RES		-5	-5	-5	-6	-7	-10	-10	-8	-7	-7	-7	-6	-5	-5
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17 TOTAL RESOURCES		210	210	210	209	208	205	205	207	208	205	205	154	155	207
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TABLE D-14

SNOHOMISH COUNTY PUD #1
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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SNOHOMISH COUNTY PUD #1
DEDICATED RESOURCES

HYDRO INDEPENDENTS 1 JACKSON	5B1B	103	103	103	103	103	103	103	103	103	103	103	103	103
REGULATED HYDRO														
TOTAL HYDRO		103	103	103	103	103	103	103	103	103	103	103	103	103
LARGE THERMAL 2 CENTRALIA SHARE	5B1B	105	105	105	105	105	105	105	105	105	105	53	105	105
3 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	53	105	105
OTHER RESOURCES														
4 NON-UTILITY GEN	5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1
5 SCOTT PAPER, COGEN	5B1B	6	6	4	4	4	4	4	4	6	6	6	6	6
6 TOTAL OTHER RESOURCES		1	1	1	1	1	1	1	1	1	1	1	1	1

EXPORTS

IMPORTS

CONTRACTS OUT

CONTRACTS IN														
7 CSPE PURCHASE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0
8 TOTAL CONTRACTS IN		0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEDICATED RESOURCES														
9 ACQUIRED PRIOR TO ACT, 5B1A		0	0	0	0	0	0	0	0	0	0	0	0	0
10 ACQUIRED, POST ACT, 5B1B		209	209	209	209	209	209	209	209	209	209	157	209	209
11 TOTAL DEDICATED RESOURCES		209	209	209	209	209	209	209	209	209	209	157	209	209

NONDEDICATED RESOURCES

12 NON-UTILITY GENERATION		0	0	0	0	0	0	0	0	0	0	0	0	0
13 CONT OUT, SNOH TO PSP&L, PS P		0	0	0	0	0	0	0	0	0	0	0	0	0
14 EXPORT, SNOH TO SMUD, PS		-32	-32	-23	-23	-23	-23	-23	-23	-32	-32	-32	-32	-32
15 COGEN, SCOTT PAPER		32	32	23	23	23	23	23	23	32	32	32	32	32
16 TOTAL NONDEDICATED RES		0	0	0	0	0	0	0	0	0	0	0	0	0
17 TOTAL RESOURCES		209	209	209	209	209	209	209	209	209	209	157	209	209

TABLE D-15

SHEET 1 OF 2

TACOMA PUBLIC UTILITIES
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

TACOMA PUBLIC UTILITIES
DEDICATED RESOURCES

HYDRO INDEPENDENTS

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
1 WYNOCHEE	5B1B	11	11	11	11	11	11	11	11	11	11	11	11	11	11

REGULATED HYDRO

2 CUSHMAN 1	5B1A	31	47	46	43	39	36	15	16	17	18	26	46	37	19
3 CUSHMAN 2	5B1A	21	66	88	88	88	88	6	5	4	2	15	84	32	0
4 ALDER	5B1A	52	51	51	48	45	43	43	47	51	52	52	52	51	
5 LA GRANDE	5B1A	65	65	65	65	65	65	65	65	65	65	65	65	65	
6 MOSSYROCK	5B1A	384	384	384	384	361	323	272	272	310	330	342	359	378	381
7 MAYFIELD	5B1A	133	133	133	133	133	133	133	133	133	133	133	133	133	
8 MAYFIELD	5B1B	39	39	39	39	39	39	39	39	39	39	39	39	39	
9 PRIEST RAPIDS SHARE	5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72	
10 TOTAL HYDRO		808	868	889	883	853	810	656	660	702	722	755	861	819	771

LARGE THERMAL

11 CENTRALIA SHARE	5B1B	105	105	105	105	105	105	105	105	105	105	105	53	105	105
12 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	105	53	105	105

OTHER RESOURCES

EXPORTS

IMPORTS

CONTRACTS OUT

13 CANADIAN ENTIT (CSPE)	5B1A	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
14 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15 TOTAL CONTRACTS OUT		-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3

CONTRACTS IN

16 CSPE PURCHASE	5B1B	19	19	19	19	19	19	19	19	19	19	19	19	19	19
17 SUPPLEMENTAL CAPACITY	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
18 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 TOTAL CONTRACTS IN		25	25	25	25	25	25	25	25	25	25	25	25	25	25

TOTAL DEDICATED RESOURCES

20 ACQUIRED PRIOR TO ACT,	5B1A	811	871	892	886	856	813	659	663	705	725	758	864	822	774
21 ACQUIRED, POST ACT,	5B1B	173	173	173	173	173	173	173	173	173	173	173	121	173	173
22 TOTAL DEDICATED RESOURCES		934	994	1015	1009	979	936	782	786	828	848	881	935	945	897

TABLE D-15 (CONTINUED)

SHEET 2 OF 2

TACOMA PUBLIC UTILITIES
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
23 HY IND, HOOD STREET	0	0	0	1	1	1	1	1	1	1	1	1	1	0
24 EXP, TCL TO WAPA, PWR SALE	-41	-41	-74	-74	-74	-41	-41	-41	-41	-41	-41	-41	-41	-41
25 C.O. TCL TO SCL, EXCHANGE	-50	-50	0	0	0	0	0	0	0	0	0	0	0	0
26 C.I. SCL TO TCL, EXCHANGE	0	0	0	50	0	0	0	0	0	0	0	0	0	0
27 COGEN, STEAM PLANT 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 CSPE PURCHASE	65	65	65	65	65	65	65	65	65	54	54	54	54	54
29 TOTAL NONDEDICATED RES	-27	-27	-10	42	-9	25	25	25	25	14	14	14	14	13
30 TOTAL RESOURCES	908	968	1006	1051	971	961	807	811	853	862	895	949	959	910

TABLE D-15

SHEET 1 OF 2

TACOMA PUBLIC UTILITIES
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
TACOMA PUBLIC UTILITIES DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
1 WYNOCHEE	5B1B	11	11	11	11	11	11	11	11	11	11	11	11	11	11
REGULATED HYDRO															
2 CUSHMAN 1	5B1A	31	47	46	43	39	36	15	16	17	18	26	46	37	19
3 CUSHMAN 2	5B1A	21	66	88	88	88	88	6	5	4	2	15	84	32	0
4 ALDER	5B1A	52	51	51	48	45	43	43	47	51	52	52	52	52	51
5 LA GRANDE	5B1A	65	65	65	65	65	65	65	65	65	65	65	65	65	65
6 MOSSYROCK	5B1A	384	384	384	384	361	323	272	272	310	330	342	359	378	381
7 MAYFIELD	5B1A	133	133	133	133	133	133	133	133	133	133	133	133	133	133
8 MAYFIELD	5B1B	39	39	39	39	39	39	39	39	39	39	39	39	39	39
9 PRIEST RAPIDS SHARE	5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72	72
10 TOTAL HYDRO		808	868	889	883	853	810	656	660	702	722	755	861	819	771
LARGE THERMAL															
11 CENTRALIA SHARE	5B1B	105	105	105	105	105	105	105	105	105	105	105	53	53	105
12 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	105	53	53	105
OTHER RESOURCES															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
13 CANADIAN ENTIT (CSPE)	5B1A	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
14 CANADIAN ENTITL (CAN)	5B1A	0	0	0	0	0	0	0	0	0	-4	-4	-4	-4	-4
15 TOTAL CONTRACTS OUT		-2	-2	-2	-2	-2	-2	-2	-2	-2	-5	-5	-5	-5	-5
CONTRACTS IN															
16 CSPE PURCHASE	5B1B	19	19	19	19	19	19	19	19	19	19	19	19	19	19
17 SUPPLEMENTAL CAPACITY	5B1A	4	4	4	4	4	4	4	4	4	2	2	2	2	2
18 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 TOTAL CONTRACTS IN		23	23	23	23	23	23	23	23	23	21	21	21	21	21
TOTAL DEDICATED RESOURCES															
20 ACQUIRED PRIOR TO ACT,	5B1A	810	870	891	885	855	812	658	662	704	719	752	858	816	768
21 ACQUIRED, POST ACT,	5B1B	173	173	173	173	173	173	173	173	173	173	173	121	121	173
22 TOTAL DEDICATED RESOURCES		933	993	1014	1008	978	935	781	785	827	842	875	929	887	891

TABLE D-15 (CONTINUED)

TACOMA PUBLIC UTILITIES
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES	0	0	0	1	1	1	1	1	1	1	1	1	1	0
23 HY IND, HOOD STREET	-41	-41	-74	-74	-74	-41	-41	-41	-41	-41	-41	-41	-41	-41
24 EXP, TCL TO WAPA, PWR SALE	-50	-50	0	0	0	0	0	0	0	0	0	0	0	0
25 C.O. TCL TO SCL, EXCHANGE	0	0	0	50	0	0	0	0	0	0	0	0	0	0
26 C.I. SCL TO TCL, EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 COGEN, STEAM PLANT 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 CSPE PURCHASE	34	34	34	34	34	34	34	34	34	7	7	7	7	7
29 TOTAL NONDEDICATED RES	-58	-58	-41	11	-40	-7	-7	-7	-7	-34	-34	-34	-34	-35
30 TOTAL RESOURCES	876	936	974	1019	939	929	775	779	821	809	842	896	854	857

TABLE D-15

SHEET 1 OF 2

TACOMA PUBLIC UTILITIES
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

2003- 4 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
TACOMA PUBLIC UTILITIES DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
1 WYNOCHEE	5B1B	11	11	11	11	11	11	11	11	11	11	11	11	11	11
REGULATED HYDRO															
2 CUSHMAN 1	5B1A	31	47	46	43	39	36	15	16	17	18	26	46	37	19
3 CUSHMAN 2	5B1A	21	66	88	88	88	88	6	5	4	2	15	84	32	0
4 ALDER	5B1A	52	51	51	48	45	43	43	47	51	52	52	52	52	51
5 LA GRANDE	5B1A	65	65	65	65	65	65	65	65	65	65	65	65	65	65
6 MOSSYROCK	5B1A	384	384	384	384	361	323	272	272	310	330	342	359	378	381
7 MAYFIELD	5B1A	133	133	133	133	133	133	133	133	133	133	133	133	133	133
8 MAYFIELD	5B1B	39	39	39	39	39	39	39	39	39	39	39	39	39	39
9 PRIEST RAPIDS SHARE	5B1A	72	72	72	72	72	72	72	72	72	72	72	72	72	72
10 TOTAL HYDRO		808	868	889	883	853	810	656	660	702	722	755	861	819	771
LARGE THERMAL															
11 CENTRALIA SHARE	5B1B	105	105	105	105	105	105	105	105	105	105	105	53	105	105
12 TOTAL LARGE THERMAL		105	105	105	105	105	105	105	105	105	105	105	53	105	105
OTHER RESOURCES															
EXPORTS															
IMPORTS															
CONTRACTS OUT															
13 CANADIAN ENTIT (CSPE)	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14 CANADIAN ENTITL (CAN)	5B1A	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
15 TOTAL CONTRACTS OUT		-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
CONTRACTS IN															
16 CSPE PURCHASE	5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 SUPPLEMENTAL CAPACITY	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 RESTORATION	5B1A	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 TOTAL CONTRACTS IN		0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DEDICATED RESOURCES															
20 ACQUIRED PRIOR TO ACT,	5B1A	802	862	883	877	847	804	650	654	696	716	749	855	813	765
21 ACQUIRED, POST ACT,	5B1B	155	155	155	155	155	155	155	155	155	155	155	103	155	155
22 TOTAL DEDICATED RESOURCES		907	967	988	982	952	909	755	759	801	821	854	908	918	870

TABLE D-15 (CONTINUED)

TACOMA PUBLIC UTILITIES
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES	0	0	0	1	1	1	1	1	1	1	1	1	1	0
23 HY IND, HOOD STREET	-41	-41	-74	-74	-74	-41	-41	-41	-41	-41	-41	-41	-41	-41
24 EXP, TCL TO WAPA, PWR SALE	-50	-50	0	0	0	0	0	0	0	0	0	0	0	0
25 C.O. TCL TO SCL, EXCHANGE	0	0	0	50	0	0	0	0	0	0	0	0	0	0
26 C.I. SCL TO TCL, EXCHANGE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27 COGEN, STEAM PLANT 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 CSPE PURCHASE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 TOTAL NONDEDICATED RES	-91	-91	-74	-23	-73	-40	-40	-40	-40	-40	-40	-40	-40	-41
30 TOTAL RESOURCES	816	876	914	959	879	869	715	719	761	781	814	868	878	829

TABLE D-16

SHEET 1 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES

1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR
PEAK IN MEGAWATTS

1994-95 OPERATING YEAR

		AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
SMALL & NON GEN PUBLIC AGENCIES DEDICATED RESOURCES															
HYDRO INDEPENDENTS															
1	GEM STATE HYDRO CIDFL 5B1B	20	20	16	13	14	15	15	15	22	22	22	21	21	22
2	MILL CREEK LEWIS 5B1B	1	1	1	1	1	1	1	1	1	1	1	0	1	1
3	MORSE CREEK PRT ANGLS 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	MOYIE SPRINGS BONNFY 5B1A	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	REEDER GULCH ASHLND 5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	SODA CREEK SODA SPR 5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	YELM CENTRAL 5B1A	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	STRAWBERRY LOW VAL 5B1A	1	1	2	2	2	2	2	2	2	2	2	2	2	2
9	THE DALLES FSHWY NOWAS 5B1B	4	4	4	4	4	4	4	4	4	4	4	4	4	4
REGULATED HYDRO															
10	WELLS OKANOGAN SHARE 5B1A	12	12	15	15	15	15	15	15	15	15	15	15	15	12
11	WELLS OKANOGAN SHARE 5B1B	55	55	52	52	52	52	52	52	52	52	52	52	52	55
12	WANAPUM F GROVE SHARE 5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13	WANAPUM MCMINN SHARE 5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
14	WANAPUM M FREE SHARE 5B1A	7	7	7	7	7	7	7	7	7	7	7	7	7	7
15	PRIEST R. F GROVE SHR 5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	PRIEST R. MCMINN SHARE 5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	PRIEST R. M FREE SHARE 5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	PRIEST R. KITATS SHARE 5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19	TOTAL HYDRO	142	142	139	136	137	138	138	138	145	145	145	143	144	145
LARGE THERMAL															
OTHER RESOURCES															
20	RENEW, SHORT MT EMRLD 5B1B	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	NON-UTILITY GEN 5B1B	9	9	26	26	26	27	9	9	9	9	9	9	9	9
22	TOTAL OTHER RESOURCES	11	11	28	28	28	29	11	11	11	11	11	11	11	11
EXPORTS															
23	CIDFL TO UTAH,GEM ST HY5B1B	-20	-20	0	0	0	0	0	0	0	0	0	0	-21	-22
24	TOTAL EXPORTS	-20	-20	0	0	0	0	0	0	0	0	0	0	-21	-22

TABLE D-16 (CONTINUED)

SHEET 2 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1994-95 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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IMPORTS

CONTRACTS OUT

CANADIAN ENTITLEMENT RETURN FOR CSPE

25 PRIEST R. F GROVE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
26 PRIEST R. MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
27 PRIEST R. M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
28 PRIEST R. KITITS CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
29 WANAPUM F GROV CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
30 WANAPUM MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
31 WANAPUM M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0

CANADIAN ENTITLEMENT RETURN FOR CSPE

32 WELLS OKANOG CER	5B1A	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
33 WELLS OKANOG CER	5B1B	-3	-3	-2	-2	-2	-2	-2	-1	-1	-1	-1	-2

CANADIAN ENTITLEMENT RETURN TO CANADA

34 PRIEST R. F GROVE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
35 PRIEST R. MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
36 PRIEST R. M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
37 PRIEST R. KITITS CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
38 WANAPUM F GROV CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
39 WANAPUM MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
40 WANAPUM M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
41 WELLS OKANOG CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
42 WELLS OKANOG CER	5B1B	0	0	0	0	0	0	0	0	0	0	0	0

43 TOTAL CONTRACTS OUT

-3	-3	-3	-3	-3	-3	-3	-3	-3	-2	-2	-2	-2	-2
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CONTRACTS IN

44 CSPE PURCHASE	5B1A	91	91	91	91	91	91	91	79	79	79	79	79
45 SUPPLEMENTAL CAPACITY	5B1A	6	6	6	6	6	6	6	4	4	4	4	4
46 BPA TO OTHER PUB, PKWD	5B1A	20	20	20	20	20	20	20	20	20	20	20	20
47 BPA TO CLK, PKWD LAKE	5B1B	34	34	34	34	34	34	34	34	34	34	34	33
48 IDA TO OR TRAIL, SALE	5B1B	10	10	10	10	11	10	10	10	10	10	10	0

49 TOTAL CONTRACTS IN

161	161	161	161	162	161	161	161	162	147	147	147	147	136
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TOTAL DEDICATED RESOURCES

50 ACQUIRED PRIOR TO ACT, 5B1A	177	177	180	180	180	180	180	180	166	166	166	166	164
51 ACQUIRED, POST ACT, 5B1B	108	108	137	135	137	137	120	120	128	128	127	106	98
52 TOTAL DEDICATED RESOURCES	291	291	325	322	324	325	307	307	315	301	301	299	268

TABLE D-16 (CONTINUED)

SHEET 3 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1930 WATER YEAR PEAK IN MEGAWATTS	1994-95 OPERATING YEAR												JUN	JUL
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY		
NONDEDICATED RESOURCES														
53 LG THM, CENTRALIA GRY HBR	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 SM TH & MISC, DIESEL CIDFL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 CONT OUT,NO WASCO TO PSP&L	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
57 CONT OUT,OTHER TO PSP&L,SP	-1	-1	-1	-1	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1
58 TOTAL NONDEDICATED RES	-5	-5	-5	-5	-5	-6	-6	-6	-5	-5	-5	-5	-5	-5
59 TOTAL RESOURCES	286	286	320	317	319	319	301	301	310	296	296	294	274	263

TABLE D-16

SHEET 1 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

			1998-99 OPERATING YEAR												1999 MONTHLY RUN DATE: 0	
1930 WATER YEAR PEAK IN MEGAWATTS			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
			-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SMALL & NON GEN PUBLIC AGENCIES DEDICATED RESOURCES																
HYDRO INDEPENDENTS																
1	GEM STATE HYDRO	CIDFL 5B1B	20	20	16	13	14	15	15	15	22	22	22	21	21	22
2	MILL CREEK	LEWIS 5B1B	1	1	1	1	1	1	1	1	1	1	1	0	1	1
3	MORSE CREEK	PRT ANGLS 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	MOYIE SPRINGS	BONNFY 5B1A	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	REEDER GULCH	ASHLND 5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	SODA CREEK	SODA SPR 5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	YELM	CENTRAL 5B1A	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	STRAWBERRY	LOW VAL 5B1A	1	1	2	2	2	2	2	2	2	2	2	2	2	2
9	THE DALLES	FSHWY NOWAS 5B1B	4	4	4	4	4	4	4	4	4	4	4	4	4	4
REGULATED HYDRO																
10	WELLS OKANOGAN SHARE	5B1A	12	12	15	15	15	15	15	15	15	15	15	15	15	12
11	WELLS OKANOGAN SHARE	5B1B	55	55	52	52	52	52	52	52	52	52	52	52	52	55
12	WANAPUM F GROVE SHARE	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13	WANAPUM MCMINN SHARE	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
14	WANAPUM M FREE SHARE	5B1A	7	7	7	7	7	7	7	7	7	7	7	7	7	7
15	PRIEST R. F GROVE SHR	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	PRIEST R. MCMINN SHARE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	PRIEST R. M FREE SHARE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	PRIEST R. KITATS SHARE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19 TOTAL HYDRO			142	142	139	136	137	138	138	138	145	145	145	143	144	145
LARGE THERMAL																
OTHER RESOURCES																
20	RENEW, SHORT MT	EMRLD 5B1B	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21	NON-UTILITY GEN	5B1B	11	11	11	11	11	11	11	11	11	11	11	11	11	11
22 TOTAL OTHER RESOURCES			15	15	15	15	15	15	15	15	15	15	15	15	15	15
EXPORTS																
23	CIDFL TO UTAH, GEM ST	HY5B1B	-20	-20	0	0	0	0	0	0	0	0	0	0	-21	-22
24 TOTAL EXPORTS			-20	-20	0	0	0	0	0	0	0	0	0	0	-21	-22

TABLE D-16 (CONTINUED)

SHEET 2 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

1998-99 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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IMPORTS

CONTRACTS OUT

CANADIAN ENTITLEMENT RETURN FOR CSPE

25 PRIEST R. F GROVE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
26 PRIEST R. MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
27 PRIEST R. M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
28 PRIEST R. KITITS CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
29 WANAPUM F GROV CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
30 WANAPUM MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
31 WANAPUM M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0

CANADIAN ENTITLEMENT RETURN FOR CSPE

32 WELLS OKANOG CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
33 WELLS OKANOG CER	5B1B	-2	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1

CANADIAN ENTITLEMENT RETURN TO CANADA

34 PRIEST R. F GROVE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
35 PRIEST R. MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
36 PRIEST R. M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
37 PRIEST R. KITITS CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
38 WANAPUM F GROV CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
39 WANAPUM MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
40 WANAPUM M FREE CER	5B1A	0	0	0	0	0	0	0	-1	-1	-1	-1	-1
41 WELLS OKANOG CER	5B1A	0	0	0	0	0	0	0	-1	-1	-1	-1	-1
42 WELLS OKANOG CER	5B1B	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2

43 TOTAL CONTRACTS OUT

		-3	-3	-3	-3	-3	-3	-3	-3	-5	-5	-5	-5
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CONTRACTS IN

44 CSPE PURCHASE	5B1A	56	56	56	56	56	56	56	56	27	27	27	27
45 SUPPLEMENTAL CAPACITY	5B1A	4	4	4	4	4	4	4	4	2	2	2	2
46 BPA TO OTHER PUB, PKWD	5B1A	20	20	20	20	20	20	20	20	20	20	20	20
47 BPA TO CLK, PKWD LAKE	5B1B	34	34	34	34	34	33	34	34	34	34	34	33
48 IDA TO OR TRAIL, SALE	5B1B	10	10	10	10	11	10	6	6	6	6	6	6

49 TOTAL CONTRACTS IN

		124	124	124	124	125	124	119	120	120	89	89	89
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TOTAL DEDICATED RESOURCES

50 ACQUIRED PRIOR TO ACT,	5B1A	140	140	144	144	144	144	144	144	111	111	111	111
51 ACQUIRED, POST ACT,	5B1B	111	111	124	121	123	123	118	119	126	126	125	104

52 TOTAL DEDICATED RESOURCES

		258	258	275	272	274	274	269	270	277	244	244	242
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TABLE D-16 (CONTINUED)

SHEET 3 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/941930 WATER YEAR
PEAK IN MEGAWATTS

1998-99 OPERATING YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
NONDEDICATED RESOURCES														
53 LG THM, CENTRALIA GRY HBR	52	52	52	52	52	52	52	52	52	52	52	26	26	52
54 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 SM TH & MISC, DIESEL CIDFL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 CONT OUT, NO WASCO TO PSP&L	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
57 CONT OUT, OTHER TO PSP&L, SP	-1	-1	-1	-1	-1	-2	-2	-2	-2	-1	-1	-1	-1	-1
58 TOTAL NONDEDICATED RES	47	47	47	47	47	46	46	46	46	47	47	21	21	47
59 TOTAL RESOURCES	305	305	322	319	321	320	315	316	323	291	291	263	243	268

TABLE D-16

SHEET 1 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

			AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
SMALL & NON GEN PUBLIC AGENCIES DEDICATED RESOURCES																
HYDRO INDEPENDENTS																
1	GEM STATE HYDRO	CIDFL 5B1B	20	20	16	13	14	15	15	15	22	22	22	21	21	22
2	MILL CREEK	LEWIS 5B1B	1	1	1	1	1	1	1	1	1	1	1	0	1	1
3	MORSE CREEK	PRT ANGLS 5B1B	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	MOYIE SPRINGS	BONNFI 5B1A	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	REEDER GULCH	ASHLND 5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	SODA CREEK	SODA SPR 5B1B	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	YELM	CENTRAL 5B1A	10	10	10	10	10	10	10	10	10	10	10	10	10	10
8	STRAWBERRY	LOW VAL 5B1A	1	1	2	2	2	2	2	2	2	2	2	2	2	2
9	THE DALLES	FSHWY NOWAS 5B1B	4	4	4	4	4	4	4	4	4	4	4	4	4	4
REGULATED HYDRO																
10	WELLS OKANOGAN SHARE	5B1A	12	12	15	15	15	15	15	15	15	15	15	15	15	12
11	WELLS OKANOGAN SHARE	5B1B	55	55	52	52	52	52	52	52	52	52	52	52	52	55
12	WANAPUM F GROVE SHARE	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13	WANAPUM MCMINN SHARE	5B1A	6	6	6	6	6	6	6	6	6	6	6	6	6	6
14	WANAPUM M FREE SHARE	5B1A	7	7	7	7	7	7	7	7	7	7	7	7	7	7
15	PRIEST R. F GROVE SHR	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	PRIEST R. MCMINN SHARE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
17	PRIEST R. M FREE SHARE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	PRIEST R. KITATS SHARE	5B1A	4	4	4	4	4	4	4	4	4	4	4	4	4	4
19	TOTAL HYDRO		142	142	139	136	137	138	138	138	145	145	145	143	144	145
LARGE THERMAL																
OTHER RESOURCES																
20	RENEW, SHORT MT	EMRLD 5B1B	5	5	5	5	5	5	5	5	5	5	5	5	5	5
21	NON-UTILITY GEN	5B1B	11	11	11	11	11	11	11	11	11	11	11	11	11	11
22	TOTAL OTHER RESOURCES		16	16	16	16	16	16	16	16	16	16	16	16	16	16
EXPORTS																
23	CIDFL TO UTAH, GEM ST HY	5B1B	-20	-20	0	0	0	0	0	0	0	0	0	0	-21	-22
24	TOTAL EXPORTS		-20	-20	0	0	0	0	0	0	0	0	0	0	-21	-22

TABLE D-16 (CONTINUED)

SHEET 2 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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IMPORTS

CONTRACTS OUT

CANADIAN ENTITLEMENT RETURN FOR CSPE

25 PRIEST R. F GROVE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
26 PRIEST R. MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
27 PRIEST R. M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
28 PRIEST R. KITITS CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
29 WANAPUM F GROV CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
30 WANAPUM MCMINN CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
31 WANAPUM M FREE CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0

CANADIAN ENTITLEMENT RETURN FOR CSPE

32 WELLS OKANOG CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
33 WELLS OKANOG CER	5B1B	0	0	0	0	0	0	0	0	0	0	0	0

CANADIAN ENTITLEMENT RETURN TO CANADA

34 PRIEST R. F GROVE CER	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
35 PRIEST R. MCMINN CER	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
36 PRIEST R. M FREE CER	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
37 PRIEST R. KITITS CER	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
38 WANAPUM F GROV CER	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
39 WANAPUM MCMINN CER	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
40 WANAPUM M FREE CER	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
41 WELLS OKANOG CER	5B1A	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
42 WELLS OKANOG CER	5B1B	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5

43 TOTAL CONTRACTS OUT

-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
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CONTRACTS IN

44 CSPE PURCHASE	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
45 SUPPLEMENTAL CAPACITY	5B1A	0	0	0	0	0	0	0	0	0	0	0	0
46 BPA TO OTHER PUB, PKWD	5B1A	20	20	20	20	20	20	20	20	20	20	20	20
47 BPA TO CLK, PKWD LAKE	5B1B	34	34	34	34	33	34	34	34	34	34	34	34
48 IDA TO OR TRAIL, SALE	5B1B	0	0	0	0	0	0	0	0	0	0	0	0

49 TOTAL CONTRACTS IN

54	54	54	54	53	54	53	54	54	54	54	54	54	54
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TOTAL DEDICATED RESOURCES

50 ACQUIRED PRIOR TO ACT, 5B1A	73	73	77	77	77	77	77	77	77	77	77	77	74
51 ACQUIRED, POST ACT, 5B1B	100	100	113	110	110	112	111	112	119	119	118	97	100

52 TOTAL DEDICATED RESOURCES

180	180	197	194	194	196	195	196	203	203	203	201	181	181
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TABLE D-16 (CONTINUED)

SHEET 3 OF 3

SMALL & NON GENERATING PUBLIC AGENCIES INCLUDING CLARK AND GRAYS HARBOR
DEDICATED AND NONDEDICATED RESOURCES1993 WHITEBOOK: 12/19/93
RUN DATE: 01/19/94

2003- 4 OPERATING YEAR

1930 WATER YEAR
PEAK IN MEGAWATTS

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
<hr/>														
NONDEDICATED RESOURCES														
53 LG THM, CENTRALIA GRY HBR	52	52	52	52	52	52	52	52	52	52	52	26	52	52
54 NON-UTILITY GENERATION	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 SM TH & MISC, DIESEL CIDFL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56 CONT OUT,NO WASCO TO PSP&L	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
57 CONT OUT,OTHER TO PSP&L,SP	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<hr/>														
58 TOTAL NONDEDICATED RES	48	48	48	48	48	48	48	48	48	48	48	22	48	48
59 TOTAL RESOURCES	228	228	245	242	242	244	243	244	251	251	251	223	229	229

SECTION XVII: Monthly Capacity Analysis
CAPACITY SURPLUS/DEFICIT SENSITIVITIES

SECTION XVII - CAPACITY SURPLUS/DEFICIT SENSITIVITIES

Monthly Capacity Analysis

Section XVII: Capacity Surplus/Deficit Sensitivities

Northwest Regional Firm Capacity Surplus/Deficit Sensitivities --
20-Year Summary -- Assuming Existing Regional Resources and
Regional Contracts

50-Hour Medium Load	S-1	TA-2-750
30-Hour - Medium Load	S-1A	TA-2-751
70-Hour - Medium Load	S-1B	TA-2-752

Federal System Firm Capacity Surplus/Deficit Sensitivities --
20-Year Summary -- Assuming Existing Federal Resources and
Federal Contracts

50-Hour Medium Load	S-2	TA-2-753
30-Hour - Medium Load	S-2A	TA-2-754
70-Hour - Medium Load	S-2B	TA-2-755

50-HOUR SUSTAINED PEAKING

TABLE S-1

BASE CASE: EXISTING REGIONAL CONTRACTS

REGIONAL FIRM 50-HOUR CAPACITY SURPLUS/DEFICIT
INCLUDING EXTREME WEATHER ADJUSTMENTS DURING NOVEMBER THROUGH FEBRUARY

10 YEAR MONTHLY SUMMARY

ASSUMING NO NIGHTTIME RETURN CONSTRAINTS,
EXISTING REGIONAL CONTRACTS, AND NO NEW RESOURCE ACQUISITIONS

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 02/16/94

1930 WATER YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PEAK IN MEGAWATTS														
1994-95	6447	6965	5699	5344	3217	2065	1713	1086	5693	5057	3500	5709	4667	4689
1995-96	5816	6334	5188	4784	2483	1629	1295	853	5127	4587	3101	5294	4428	4540
1996-97	5774	6291	5155	4404	2673	1335	927	301	4731	4141	2754	5557	4412	4282
1997-98	5670	6187	4877	4145	2237	851	496	-138	4507	3559	2069	5081	3937	4032
1998-99	4591	5660	4050	3268	986	740	-114	-594	4135	2561	1165	4337	5163	3949
1999-00	4107	5176	3843	2901	173	-447	-1197	-1481	3070	2388	992	3661	5671	3913
2000-01	3792	4861	3341	2537	-277	-934	-1520	-1975	3067	2141	746	3872	5454	3864
2001-02	3753	4823	3213	2289	-599	-1068	-1825	-2263	2631	1842	549	3423	5309	3548
2002-03	3439	4509	3173	1936	-511	-1538	-2228	-2647	2233	795	-600	2800	4407	2642
2003-04	2530	3599	2075	1136	-1519	-2578	-3239	-3602	1579	629	-768	2558	4190	2432

30-HOUR SUSTAINED PEAKING

TABLE S-1A

BASE CASE: EXISTING REGIONAL CONTRACTS

REGIONAL FIRM 30-HOUR CAPACITY SURPLUS/DEFICIT
INCLUDING EXTREME WEATHER ADJUSTMENTS DURING NOVEMBER THROUGH FEBRUARY

10 YEAR MONTHLY SUMMARY

ASSUMING NO NIGHTTIME RETURN CONSTRAINTS,
EXISTING REGIONAL CONTRACTS, AND NO NEW RESOURCE ACQUISITIONS

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 02/16/94

1930 WATER YEAR

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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PEAK IN MEGAWATTS

1994-95	7730	8297	6658	6475	4631	3115	2557	2231	6829	6439	4547	5709	5842	5630
1995-96	7099	7666	6146	5916	3898	2679	2139	1999	6263	5969	4148	5294	5603	5480
1996-97	7057	7623	6114	5536	4088	2385	1771	1447	5867	5523	3801	5557	5587	5223
1997-98	6953	7518	5835	5277	3651	1901	1340	1007	5642	4942	3116	5081	5111	4973
1998-99	5702	6951	4833	4286	2386	1767	743	554	5277	3941	2270	4337	6576	5068
1999-00	5219	6467	4626	3919	1573	580	-340	-334	4211	3768	2097	3661	7084	5033
2000-01	4903	6152	4123	3555	1123	93	-664	-827	4209	3521	1852	3872	6867	4983
2001-02	4865	6114	3996	3306	800	-41	-969	-1116	3773	3222	1654	3423	6722	4668
2002-03	4551	5800	3956	2954	889	-512	-1372	-1500	3375	2175	505	2800	5820	3761
2003-04	3641	4890	2858	2154	-120	-1552	-2382	-2454	2721	2008	338	2558	5604	3551

70-HOUR SUSTAINED PEAKING
BASE CASE: EXISTING REGIONAL CONTRACTS

TABLE S-1B

REGIONAL FIRM 70-HOUR CAPACITY SURPLUS/DEFICIT
INCLUDING EXTREME WEATHER ADJUSTMENTS DURING NOVEMBER THROUGH FEBRUARY
10 YEAR MONTHLY SUMMARY

ASSUMING NO NIGHTTIME RETURN CONSTRAINTS,
EXISTING REGIONAL CONTRACTS, AND NO NEW RESOURCE ACQUISITIONS

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 02/16/94

1930 WATER YEAR

AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
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PEAK IN MEGAWATTS

1994-95	5376	5843	4835	4387	1938	1116	981	62	4676	3866	2173	4957	3682	3833
1995-96	4745	5213	4324	3828	1204	680	564	-171	4110	3396	1774	4541	3443	3684
1996-97	4704	5170	4291	3448	1394	387	196	-723	3714	2950	1427	4805	3427	3426
1997-98	4599	5065	4013	3189	958	-97	-235	-1162	3489	2368	742	4329	2952	3176
1998-99	3646	4581	3256	2375	-237	-189	-861	-1619	3114	1375	-165	3477	3864	3000
1999-00	3163	4097	3050	2009	-1050	-1375	-1944	-2507	2049	1202	-338	2801	4372	2964
2000-01	2847	3782	2547	1645	-1500	-1862	-2268	-3001	2046	955	-584	3013	4155	2915
2001-02	2809	3744	2419	1396	-1823	-1997	-2573	-3289	1610	656	-781	2564	4010	2599
2002-03	2495	3430	2379	1044	-1734	-2467	-2976	-3673	1212	-391	-1930	1941	3108	1693
2003-04	1585	2520	1281	244	-2743	-3507	-3987	-4627	558	-558	-2098	1699	2891	1482

50-HOUR SUSTAINED PEAKING
 BASE CASE: EXISTING FEDERAL CONTRACTS

TABLE S-2

FEDERAL SYSTEM FIRM 50-HOUR CAPACITY SURPLUS/DEFICIT
 INCLUDING EXTREME WEATHER ADJUSTMENTS DURING NOVEMBER THROUGH FEBRUARY

10 YEAR MONTHLY SUMMARY

ASSUMING NO NIGHTTIME RETURN CONSTRAINTS,
 EXISTING FEDERAL CONTRACTS, AND NO NEW RESOURCE ACQUISITIONS

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
 RUN DATE: 02/16/94

1930 WATER YEAR	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PEAK IN MEGAWATTS														
1994-95	3930	4339	2696	2609	2440	2239	2787	1791	4329	3793	2869	4424	1805	1881
1995-96	4782	5188	3535	3470	3162	3029	3563	2583	5095	4673	3821	5421	2681	3091
1996-97	5079	5493	3830	3691	3237	3099	3658	2660	5339	4847	3990	5973	3272	3210
1997-98	5226	5641	4003	3548	3120	3003	3524	2524	5131	4678	3822	5805	3132	3071
1998-99	4265	5215	3307	2928	2419	2946	3014	2159	4934	4254	3477	5701	5037	3437
1999-00	4221	5171	3271	2851	1895	2286	2471	1624	4516	4157	3380	5620	5271	3617
2000-01	4280	5227	3329	2886	1867	2241	2499	1661	4572	4242	3463	5707	5375	3908
2001-02	4724	5671	3774	3590	1972	2341	2531	1699	4910	4342	3565	5813	5496	4155
2002-03	4670	5618	3717	3514	1877	2211	2420	1610	4830	3900	3122	5358	5041	3719
2003-04	4216	5163	3274	3080	1397	1726	1880	1078	4338	3796	3036	5274	4967	3647

- NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.
2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.
3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
- A. BGP TO BPA, SUPPLEMENTAL ENERGY
 - B. SCE TO BPA, SUPPLEMENTAL ENERGY
 - C. SCE TO BPA, OPTION ENERGY

30-HOUR SUSTAINED PEAKING
BASE CASE: EXISTING FEDERAL CONTRACTS

TABLE S-2A

FEDERAL FIRM 30-HOUR CAPACITY SURPLUS/DEFICIT
INCLUDING EXTREME WEATHER ADJUSTMENTS DURING NOVEMBER THROUGH FEBRUARY
10 YEAR MONTHLY SUMMARY

ASSUMING NO NIGHTTIME RETURN CONSTRAINTS,
EXISTING FEDERAL CONTRACTS, AND NO NEW RESOURCE ACQUISITIONS

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
RUN DATE: 02/16/94

1930 WATER YEAR

	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
PEAK IN MEGAWATTS														
1994-95	5213	5671	3655	3741	3854	3289	3631	2937	5465	5176	3916	4424	2980	2822
1995-96	6065	6520	4493	4601	4576	4079	4407	3728	6231	6056	4868	5421	3855	4032
1996-97	6361	6825	4788	4822	4652	4149	4502	3805	6475	6229	5037	5973	4447	4151
1997-98	6508	6973	4961	4679	4534	4053	4368	3670	6267	6061	4868	5805	4307	4012
1998-99	5377	6506	4090	3946	3818	3972	3871	3306	6076	5634	4582	5701	6451	4556
1999-00	5332	6462	4054	3869	3294	3313	3328	2771	5658	5537	4485	5620	6684	4736
2000-01	5392	6518	4111	3903	3266	3268	3356	2808	5714	5622	4568	5707	6788	5027
2001-02	5835	6962	4556	4608	3371	3368	3388	2847	6051	5722	4671	5813	6909	5274
2002-03	5782	6909	4500	4532	3277	3237	3277	2758	5972	5280	4227	5358	6455	4838
2003-04	5328	6455	4056	4098	2797	2752	2737	2226	5479	5176	4141	5274	6381	4767

- NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.
2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.
3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
- A. BGP TO BPA, SUPPLEMENTAL ENERGY
 - B. SCE TO BPA, SUPPLEMENTAL ENERGY
 - C. SCE TO BPA, OPTION ENERGY

70-HOUR SUSTAINED PEAKING
 BASE CASE: EXISTING FEDERAL CONTRACTS

TABLE S-2B

FEDERAL FIRM 70-HOUR CAPACITY SURPLUS/DEFICIT
 INCLUDING EXTREME WEATHER ADJUSTMENTS DURING NOVEMBER THROUGH FEBRUARY
 10 YEAR MONTHLY SUMMARY

ASSUMING NO NIGHTTIME RETURN CONSTRAINTS,
 EXISTING FEDERAL CONTRACTS, AND NO NEW RESOURCE ACQUISITIONS

M E D I U M L O A D S

1993 WHITEBOOK: 12/19/93
 RUN DATE: 02/16/94

1930 WATER YEAR	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL
	1-15	16-31												
PEAK IN MEGAWATTS														
1994-95	2860	3217	1832	1653	1161	1291	2055	767	3312	2602	1542	3671	820	1025
1995-96	3711	4066	2671	2513	1883	2080	2831	1559	4078	3482	2493	4669	1695	2235
1996-97	4008	4372	2966	2734	1958	2150	2926	1636	4322	3656	2663	5221	2287	2354
1997-98	4155	4520	3139	2591	1841	2054	2793	1500	4114	3487	2494	5052	2147	2215
1998-99	3320	4136	2513	2036	1196	2017	2267	1133	3913	3068	2147	4841	3738	2487
1999-00	3276	4092	2477	1959	672	1358	1723	598	3495	2971	2050	4760	3972	2668
2000-01	3336	4148	2535	1993	644	1312	1751	635	3551	3055	2133	4848	4076	2959
2001-02	3779	4592	2980	2698	749	1412	1783	674	3889	3156	2235	4954	4197	3206
2002-03	3726	4538	2923	2622	654	1282	1673	585	3809	2713	1792	4498	3742	2769
2003-04	3272	4084	2480	2187	174	797	1132	53	3316	2610	1706	4415	3668	2698

- NOTE: 1. BPA SURPLUS POWER SALES CONTRACTS WITH THE PSW ARE SHOWN AS POWER SALES UNTIL THEY EXPIRE.
2. BPA SURPLUS POWER SALES CONTRACT WITH PSP&L IS SHOWN AS A POWER SALE THROUGH JUNE 30, 2001. THE CONTRACT THEN CONVERTS TO A SEASONAL POWER EXCHANGE WHICH EXPIRES JULY 1, 2008.
3. THE FOLLOWING BPA CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED IN THIS ANALYSIS.
- A. BGP TO BPA, SUPPLEMENTAL ENERGY
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 - C. SCE TO BPA, OPTION ENERGY

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SECTION XVIII: Technical Support
CAPACITY WATER YEAR SELECTION

SECTION XVIII - CAPACITY WATER YEAR SELECTION

Monthly Capacity Analysis

	Chart	Page
Section XVIII: Capacity Water Year Selection		TA-2-757
Capacity Water Year Selection		TA-2-759
Correlation of 40 Historic Water Levels		
1945 Base Water		
Instantaneous Peak	1	TA-2-760
Adjusted Sustained Peak	2	TA-2-761
1930 Base Water		
Instantaneous Peak	3	TA-2-762
Adjusted Sustained Peak	4	TA-2-763

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CAPACITY WATER YEAR SELECTION

The Pacific Northwest Utilities Conference Committee (PNUCC) planning assumptions specify 1936-37 water conditions to represent the January hydro peaking capability within the region. Changes in the operation of the hydro system made it necessary for BPA to reevaluate the water condition used in determining peaking capacity. These changes include implementation of the Northwest Power Planning Act, determination of the sustained peaking capability of the Federal hydro projects, and new hydrogeneration restrictions from the U.S. Bureau of Reclamation (USBR) and the U. S. Corps of Engineers.

In order to determine a water level to represent critical peak planning, water levels for the 2- and 4-year critical period were selected as base cases for the regional loads and contract levels in operating year 1984-85.

The hydroregulation associated with 1944-45 water year was selected as a base case because studies indicate that its hydroregulation was the second year of the 2-year critical period, as well as the most likely critical period to occur. Similarly, the hydroregulation associated with 1929-30 water year was selected as another base condition because it was the first full year in a 4-year critical period. This analysis uses 40 years of historical water levels because data incorporating 50 years of records was not available at the time. The methodology used was as follows:

- ◆ The Coordination Agreement Reserve Program (CARP) was run to determine the Firm Peak Load Carrying Capability (FPLCC) on both an instantaneous and sustained basis for the base water levels;

- ◆ The probability of peaking load loss was calculated using the 1983 Initial Rate Filing (Gensum) hydro operation from streamflows associated with the 40 historical water conditions meeting the FPLCC of the base water levels;
- ◆ All 40 water years were ranked by their annual probability of peaking load loss; and
- ◆ Cumulative probability distribution tables were developed for the annual probability of load loss in each of the 40 water years. The probabilities were analyzed on both an instantaneous and sustained basis to determine an appropriate peaking water level.

The cumulative probability distributions of the annual probability of load loss are shown in Charts 1 through 4. They illustrate that, for hydroregulation purposes, the base water years of 1929-30 and 1944-45 contain the lowest regional annual peaking capacity. The charts indicate that there is a substantial decrease in system reliability for water levels with greater likelihood of load loss than that associated with the 1929-30 water year. Chart 4 illustrates that the hydroregulation of the 1929-30 water year provides a 50-hours-per-week sustained hydro capability that would be exceeded 93 percent of the time.

For BPA planning purposes, the hydroregulation associated with 1929-30 water levels was deemed appropriate to represent available hydro peaking with minimal risks to the Federal system for critical peak planning.

Instantaneous Peak
40 Correlated Water Years
1945 Base Water

Sustained Peak 40 Correlated Water Years 1945 Base Water

Instantaneous Peak
40 Correlated Water Years
1930 Base Water

Sustained Peak 40 Correlated Water Years 1930 Base Water

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SECTION XIX: Technical Support
NONFIRM ENERGY ANALYSIS

SECTION XIX - NONFIRM ENERGY ANALYSIS

Monthly Capacity Analysis

Section XIX: Nonfirm Energy Analysis

Regional Surplus Energy In Excess Of Firm Load Carrying
Capability, 1928-29 Through 1977-78 Water Levels

For OY 1994-95

TA-2-766

For OY 1998-99

TA-2-767

Regional Surplus Energy In Excess Of Firm Load Carrying Capability For Operating Year 1994-95

WATER YEAR	AUG 1-15	AUG 15-30	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 15-30	MAY	JUNE	JULY	AVG.
1929	2,560	937	-5	-5	-6	-5	-2,006	-2,233	41	64	76	5,081	5,042	26	660
1930	0	0	0	0	33	-34	-2,003	-1,106	-1,301	-369	756	3,880	4,029	0	311
1931	0	0	0	0	19	-14	-2,032	-2,151	-724	205	-515	4,286	4,035	0	284
1932	0	0	25	-18	-10	0	-2,031	-1,448	2,376	8,364	9,219	11,413	7,883	3,126	2,512
1933	250	1,591	0	0	1,810	2,720	6,309	5,505	4,992	3,314	3,281	6,971	12,837	10,086	4,617
1934	4,914	3,755	1,613	2,942	5,289	9,752	12,681	9,695	8,877	9,501	9,400	9,688	595	0	6,235
1935	0	4	0	0	786	1,773	4,379	6,727	1,810	2,327	2,944	4,717	5,998	4,480	2,748
1936	2,778	646	0	0	1	-1	-1,409	-1,256	2,587	1,134	9,103	11,308	5,557	0	1,975
1937	0	0	0	0	31	-20	-1,992	-2,146	-117	-435	-87	4,963	5,424	0	503
1938	0	0	0	0	0	0	3,789	4,928	5,563	5,168	9,519	10,311	10,043	4,049	3,821
1939	0	0	0	0	0	0	-2,018	-552	2,869	3,888	2,665	9,063	4,101	2,502	1,619
1940	380	0	0	0	12	-12	-1,417	-756	2,906	5,875	3,910	8,239	2,312	0	1,370
1941	0	0	0	0	0	0	-1,998	-2,150	-71	55	159	4,281	4,117	0	370
1942	0	0	0	675	1,835	6,342	4,853	3,748	1,173	3,599	4,154	4,659	8,482	4,687	3,356
1943	1,596	682	0	0	0	1,255	6,295	7,204	7,525	11,239	11,531	8,624	11,408	8,596	5,264
1944	2,506	1,122	0	0	0	0	-2,005	-2,151	20	62	-31	3,287	4,111	1	430
1945	0	0	0	0	0	0	-2,005	-339	-1,515	-392	-599	6,720	9,956	2,027	1,196
1946	0	0	0	0	0	0	6,254	7,071	6,362	5,246	9,175	12,433	7,428	5,409	4,333
1947	1,220	854	591	139	2,010	7,047	6,869	9,367	7,357	6,128	6,894	10,036	6,174	3,214	5,006
1948	805	0	496	5,722	4,499	3,694	7,887	5,826	7,044	4,984	8,571	12,873	15,428	9,184	6,655
1949	4,125	3,884	1,238	532	1,102	457	1,005	3,921	8,625	8,436	8,148	12,879	4,527	952	3,963
1950	0	0	0	0	6	2,226	6,354	9,987	9,732	9,241	6,454	8,906	14,760	11,370	5,902
1951	3,958	3,531	1,100	3,308	5,812	7,988	9,742	13,295	8,912	10,337	8,047	12,261	8,559	7,144	7,556
1952	4,187	1,692	1,135	4,326	2,675	4,297	5,368	8,341	5,169	8,611	10,930	12,488	7,699	4,417	5,705
1953	1,132	0	0	0	25	14	4,447	7,036	4,413	1,987	2,002	7,918	12,609	8,444	3,932
1954	1,049	1,479	278	367	1,634	2,856	6,868	10,184	6,651	6,081	5,058	10,763	12,556	9,153	5,649
1955	7,042	6,980	4,087	1,027	3,440	2,161	4,408	2,416	1,418	2,097	96	5,075	12,601	10,133	4,582
1956	3,303	755	197	2,344	4,559	7,350	10,529	8,827	8,862	9,810	13,368	12,875	15,682	9,247	7,830
1957	2,830	2,370	770	1,398	1,388	3,785	3,068	5,138	6,101	11,486	6,509	12,920	12,149	837	4,917
1958	0	0	0	0	0	0	3,944	7,312	7,160	6,409	5,415	13,046	7,588	0	3,722
1959	0	0	0	151	3,628	4,986	9,890	9,062	6,630	7,514	4,118	8,784	12,290	8,428	5,783
1960	2,735	1,757	5,745	7,431	6,135	4,550	5,418	4,035	8,183	13,000	7,680	5,554	7,892	5,117	6,047
1961	2,085	0	369	0	2,125	899	5,780	8,316	9,211	7,414	1,979	9,802	13,520	546	4,654
1962	0	490	0	0	0	286	4,341	3,940	4,260	9,766	10,211	6,858	6,732	2,132	3,216
1963	1,207	1,153	0	1,020	3,570	5,180	4,350	7,731	4,783	4,688	986	5,371	8,082	2,715	3,873
1964	994	807	787	0	772	543	5,533	4,625	1,093	9,204	3,917	6,649	13,657	10,614	4,297
1965	4,036	1,919	1,821	2,329	2,265	7,867	10,868	11,511	8,148	6,998	9,835	9,338	11,647	6,267	6,924
1966	4,619	4,097	1,485	1,468	1,965	1,894	5,367	2,431	4,112	9,020	2,385	6,413	5,438	3,520	3,689
1967	1,644	319	7	-7	0	2,394	7,317	8,467	5,102	3,692	0	7,759	13,657	10,974	4,854
1968	3,601	1,378	412	964	1,952	2,371	5,416	7,209	8,976	3,386	106	5,439	8,633	3,270	4,063
1969	1,381	2,346	4,276	3,687	3,963	3,884	8,581	8,843	6,922	11,942	11,367	13,046	10,240	5,528	6,852
1970	1,627	783	1,381	1,344	1,477	1,347	6,872	7,508	2,907	4,678	534	8,157	14,170	2,993	4,297
1971	2	29	68	131	1,340	3,294	12,095	14,758	10,535	9,468	9,131	13,532	17,165	12,206	7,823
1972	8,320	3,775	2,155	1,600	2,645	3,231	10,708	13,177	15,149	14,361	12,006	13,808	18,175	14,949	9,549
1973	9,046	6,139	2,340	1,685	1,620	4,190	1,198	-493	-133	57	48	6,161	6,329	2,328	2,763
1974	0	0	8	-8	3,092	7,432	14,921	14,895	12,460	13,898	13,929	13,047	18,691	15,657	9,471
1975	7,641	5,171	2,513	0	853	2,735	5,380	7,265	7,357	5,286	2,691	9,976	14,102	14,221	6,231
1976	2,438	3,948	2,657	3,339	5,781	10,693	11,776	10,190	9,201	11,901	8,883	12,873	11,393	11,027	8,547
1977	10,137	10,482	6,336	591	537	577	-2,008	-1,949	-248	66	98	3,499	4,105	0	1,840
1978	0	0	0	0	0	1,212	3,572	6,936	6,224	9,041	5,199	9,678	9,373	7,796	4,307
AVERAGE	2,123	1,498	878	970	1,613	2,664	4,630	5,374	5,114	5,997	5,225	8,754	9,380	5,187	4,322

Load Resource Section
January 4, 1994

Regional Surplus Energy In Excess Of Firm Load Carrying Capability For Operating Year 1998-99

WATER YEAR	AUG 1-15	AUG 15-30	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 15-30	MAY	JUNE	JULY	AVG.
1929	4,097	1,660	17	16	7	0	-2,014	-2,222	147	268	545	6,328	6,015	296	1,006
1930	0	0	0	0	32	-33	-1,942	-1,179	-699	236	365	4,594	4,050	0	433
1931	0	0	7	-8	12	-8	-1,960	-2,119	244	235	223	4,202	4,123	0	407
1932	0	0	6	-6	0	0	-1,933	-944	6,698	9,538	10,232	9,024	10,855	6,945	3,381
1933	1,957	2,986	0	0	2,052	1,863	6,336	6,576	5,308	2,407	4,127	6,863	13,001	12,176	4,986
1934	6,622	4,635	1,604	2,981	5,224	9,385	10,703	10,696	10,463	10,096	9,870	8,511	8,009	351	6,936
1935	1,604	1,119	0	0	2,020	1,181	4,623	7,621	1,999	2,331	4,051	5,752	6,725	5,076	3,263
1936	4,128	1,471	0	0	4	-4	1,160	-489	1,867	794	9,215	9,943	8,700	0	2,417
1937	212	314	0	0	24	-15	-1,722	-2,079	149	304	750	6,127	5,574	0	752
1938	0	0	0	0	0	1,835	6,692	6,123	5,981	4,486	10,400	9,380	11,393	5,190	4,488
1939	525	0	0	0	0	0	547	-95	2,275	2,861	4,309	9,090	5,050	3,949	2,071
1940	1,625	633	0	0	15	-15	-350	-471	5,473	2,748	3,733	8,123	2,705	1,384	1,783
1941	0	0	0	619	0	141	-2,002	-1,564	1,770	201	148	5,036	4,255	0	717
1942	0	0	0	1,676	1,990	5,978	5,367	5,057	1,223	2,894	5,104	5,825	9,151	5,235	3,782
1943	2,488	1,504	0	0	192	1,680	6,358	9,020	6,876	10,097	11,950	9,629	13,014	9,654	5,756
1944	3,679	1,961	0	0	9	202	-1,992	-2,031	150	213	146	4,385	4,241	0	671
1945	0	0	0	0	0	0	-1,968	-549	-155	-319	-70	8,617	11,421	2,691	1,661
1946	0	0	0	0	0	879	7,157	7,993	5,999	5,081	9,811	9,896	10,283	9,571	4,916
1947	2,541	1,770	576	147	2,106	6,318	7,035	10,516	7,702	6,418	7,906	7,794	10,321	5,748	5,597
1948	2,000	799	512	5,779	4,581	3,314	8,116	7,362	7,432	4,780	9,678	11,731	16,241	11,077	7,060
1949	5,322	4,953	1,227	685	1,169	391	1,704	4,483	8,370	9,997	8,886	10,341	10,259	2,368	4,622
1950	0	0	0	0	1,650	1,620	6,263	10,738	9,610	8,728	7,027	8,900	15,412	11,725	6,111
1951	6,217	4,666	1,091	3,342	5,900	7,232	9,812	11,910	10,464	10,097	9,870	13,304	9,449	9,308	8,086
1952	5,850	2,565	1,124	4,408	2,755	3,662	6,183	9,201	5,232	8,672	9,870	13,103	10,321	5,324	6,216
1953	2,570	436	0	0	26	16	6,562	6,887	3,898	2,737	3,086	8,168	13,403	10,085	4,436
1954	2,664	2,715	268	520	1,701	2,708	7,082	11,142	7,117	5,578	6,281	9,697	14,078	10,411	6,077
1955	9,505	7,978	4,102	1,045	3,518	1,733	4,771	4,257	1,547	1,941	142	6,258	13,223	11,987	5,188
1956	3,768	782	881	2,958	4,601	6,606	10,299	10,248	9,670	9,834	11,199	13,563	16,703	10,574	8,227
1957	4,126	3,232	757	1,412	1,394	3,429	3,442	6,585	6,714	10,585	8,275	10,424	15,031	4,454	5,541
1958	664	0	0	0	0	879	4,317	8,441	7,178	6,043	7,113	10,492	10,321	4,327	4,373
1959	579	1,165	0	414	3,711	4,192	9,927	10,139	7,514	7,525	5,559	6,862	13,164	12,242	6,272
1960	5,067	2,681	5,782	7,540	6,150	3,947	5,553	5,736	8,749	12,728	8,900	6,909	8,733	6,143	6,649
1961	2,516	568	459	0	2,161	941	6,025	9,526	9,437	7,288	3,287	7,603	13,972	6,766	5,271
1962	648	1,876	0	0	0	846	4,503	5,442	4,477	9,507	10,980	7,637	8,172	2,831	3,764
1963	1,777	1,635	333	1,964	3,611	4,706	4,650	9,285	5,102	4,583	1,440	6,662	9,037	3,535	4,437
1964	1,943	1,390	766	0	1,669	200	5,704	5,975	1,272	8,584	5,007	7,085	13,537	12,991	4,788
1965	5,583	3,002	1,818	2,355	2,340	7,461	10,133	11,434	10,283	6,765	10,284	10,457	12,560	8,421	7,484
1966	6,040	4,997	1,482	1,488	2,047	1,715	5,823	4,165	4,181	9,076	4,073	7,401	5,959	4,073	4,203
1967	2,930	1,115	5	-5	123	2,581	7,519	9,386	5,579	3,217	0	7,102	14,595	13,190	5,286
1968	5,439	2,206	394	1,025	2,028	2,240	5,604	8,695	9,211	2,965	110	6,998	9,565	3,958	4,576
1969	2,600	3,228	4,129	3,536	3,837	3,270	8,630	9,849	7,335	10,061	9,831	13,667	10,283	9,389	7,213
1970	3,012	1,630	1,363	1,362	1,486	1,446	7,145	8,872	3,475	3,703	902	9,344	13,942	5,474	4,844
1971	527	695	814	810	1,350	3,077	10,274	11,154	10,426	12,090	13,213	16,254	18,037	13,616	8,233
1972	9,783	4,601	2,138	1,708	2,627	2,964	10,140	11,439	16,483	15,156	11,223	16,171	18,630	16,056	9,887
1973	10,216	7,030	2,332	1,693	1,626	3,944	1,610	997	1,743	191	130	6,933	5,724	2,900	3,212
1974	603	0	9	-9	3,469	6,957	10,665	12,022	14,694	14,622	15,188	16,166	19,430	16,631	9,584
1975	9,100	6,048	2,504	0	970	2,399	6,070	7,755	6,404	7,426	4,123	10,619	15,505	15,002	6,708
1976	3,095	4,453	3,354	3,958	5,824	9,525	10,382	11,003	10,425	10,058	11,165	14,618	12,832	12,729	9,088
1977	11,605	11,501	6,387	751	604	143	-1,992	-990	153	221	146	4,562	4,247	0	2,151
1978	0	0	0	0	0	2,372	5,070	6,832	6,129	9,168	6,645	10,175	10,435	9,033	4,816
AVERAGE	3,105	2,120	925	1,083	1,732	2,518	4,842	5,997	5,675	5,896	5,929	8,966	10,634	6,698	4,788

Load Resource Section
January 4, 1994

DATE

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4/29/94

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