

MEDIUM LOADS
1998 WHITE BOOK LOAD FORECAST

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
FIRM LOADS										
-- FEDERAL SYSTEM --										
1 FEDERAL AGENCIES	148	149	150	151	152	152	153	155	155	156
2 FEDERAL GPU TRANS LOSSES	61	62	28	25	24	24	22	20	19	19
3 FEDERAL NGP TRANS LOSSES	107	108	108	109	110	111	112	112	113	114
4 USBR	67	68	68	68	68	68	68	68	68	68
5 FEDERAL DSI FIRM LOADS	1884	1952	1952	1952	1952	1952	1952	1952	1953	1953
6 FEDERAL DSI LOSSES	53	55	55	55	55	55	55	55	55	55
7 FEDERAL NON-UTILITY LOADS	2320	2394	2361	2360	2361	2362	2362	2362	2363	2365
-- PUBLIC AGENCIES --										
8 CHELAN COUNTY PUD #1	191	194	197	198	200	201	202	204	205	206
9 CLARK COUNTY PUD #1	434	440	446	453	459	466	472	477	482	487
10 COWLITZ COUNTY PUD #1	538	541	544	547	550	554	557	560	558	560
11 DOUGLAS COUNTY PUD #1	119	122	125	129	131	134	136	139	141	143
12 EUGENE WATER & ELEC BOARD	303	304	305	307	309	311	313	315	317	318
13 GRANT COUNTY PUD #2	374	376	379	382	386	390	393	397	401	404
14 GRAY'S HARBOR CO PUD #1	134	135	135	135	135	135	136	136	137	137
15 OKANOGAN COUNTY PUD #1	69	70	70	70	71	71	72	72	72	73
16 PEND OREILLE COUNTY PUD #1	51	52	51	51	52	52	52	52	52	53
17 SEATTLE CITY LIGHT	1090	1089	1089	1089	1090	1091	1092	1093	1093	1094
18 SNOHOMISH COUNTY PUD #1	748	760	770	782	792	802	813	824	835	846
19 SPRINGFIELD UTILITY BOARD	113	114	116	117	118	119	120	121	123	124
20 TACOMA PUBLIC UTILITIES	655	653	655	657	659	662	665	667	671	673
21 SMALL & NON GEN PUBLICS	2945	2959	2980	2999	3017	3035	3055	3075	3096	3117
22 PUBLIC AGENCIES	7763	7808	7861	7915	7969	8023	8077	8131	8181	8236
-- INVESTOR-OWNED UTILITIES --										
23 AVISTA CORP (WWP)	859	854	850	846	844	843	838	835	834	831
24 IDAHO POWER COMPANY	1576	1591	1602	1613	1620	1639	1647	1664	1681	1705
25 MONTANA POWER CO. REGIONAL	319	316	315	313	313	313	312	313	316	317
26 PACIFICORP	2381	2405	2429	2462	2507	2536	2557	2599	2660	2689
27 PORTLAND GENERAL ELECTRIC	2037	2040	2045	2057	2074	2096	2111	2132	2160	2187
28 PUGET SOUND ENERGY	2597	2622	2649	2673	2692	2724	2749	2780	2814	2854
29 UTAH POWER & LIGHT	357	357	360	364	369	373	373	376	381	383
30 INVESTOR-OWNED UTILITIES	10126	10185	10249	10328	10419	10524	10588	10699	10846	10965

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MEGAWATTS	1999- 0 AVG	2000- 1 AVG	2001- 2 AVG	2002- 3 AVG	2003- 4 AVG	2004- 5 AVG	2005- 6 AVG	2006- 7 AVG	2007- 8 AVG	2008- 9 AVG
FIRM LOADS (CONTINUED)										
-- OTHER ENTITIES --										
31 COLOCKUM TRANSMISSION CO.	180	180	180	180	180	180	180	180	180	180
32 NON-FED DSI LOAD	1305	1236	1236	1237	1236	1236	1237	1236	1236	1236
33 NON-FED DSI FIRM LOSSES	37	35	35	35	35	35	35	35	35	35
34 OTHER FIRM LOADS	1522	1452	1452	1452	1452	1452	1452	1452	1452	1452
REGIONAL FIRM LOADS										
35 REGIONAL FIRM LOADS	21732	21839	21924	22056	22200	22360	22479	22644	22843	23017
NON-FIRM LOADS										
-- INVESTOR-OWNED UTILITIES --										
36 OTHER NON-FIRM (UTAH)	0	0	0	0	0	0	0	0	0	0
REGIONAL NON-FIRM LOADS										
37 REGIONAL NON-FIRM LOAD	0	0	0	0	0	0	0	0	0	0
REGIONAL TOTAL LOADS										
38 FEDERAL SYSTEM	2320	2394	2361	2360	2361	2362	2362	2362	2363	2365
39 PUBLIC AGENCIES	7763	7808	7861	7915	7969	8023	8077	8131	8181	8236
40 INVESTOR-OWNED UTILITIES	10126	10185	10249	10328	10419	10524	10588	10699	10846	10965
41 OTHER ENTITIES	1522	1452	1452	1452	1452	1452	1452	1452	1452	1452
42 REGIONAL TOTAL LOADS	21732	21839	21924	22056	22201	22360	22479	22644	22842	23017

EXPORTS		1998 WHITE BOOK: 12/31/98									
OPERATING YEAR		RUN DATE: 12/31/98									
		1999-0	2000-1	2001-2	2002-3	2003-4	2004-5	2005-6	2006-7	2007-8	2008-9
MEGAWATTS		AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
-- UTILITY TRANSACTIONS --											
41 PP&L TO SMUD	PWR S	40	40	40	40	40	40	40	40	40	40
42 PP&L TO SCE	PWR S	51	51	51	51	51	51	51	8	0	0
43 PP&L TO WAPA	PWR S	136	111	111	111	111	89	0	0	0	0
44 PGE TO GLENDALE	PWR S	20	20	20	20	20	20	20	20	20	20
45 PGE TO GLENDALE	SPX	3	3	3	3	3	3	3	3	3	3
46 PSE TO PG&E	SPX	47	47	47	47	47	47	47	47	23	0
47 SCL TO NCPA	SPX	10	10	10	10	10	10	10	10	10	10
48 SNOH TO SMUD	PWR S	29	29	29	29	29	29	29	29	6	0
49 TPU TO WAPA	PWR S	40	40	40	40	40	21	0	0	0	0
50 AVC TO MODESTO	PWR S	2	0	0	0	0	0	0	0	0	0
51 UTILITY EXPORTS TO PSW		1478	1498	1533	1367	1121	896	727	663	533	415
-- OTHER ENTITIES TRANSACTIONS --											
52 BOARDMAN(14.8%) TO SDG&E *		57	57	57	57	57	57	57	57	57	57
53 BOARDMAN(10.2%) TO TURLOCK*		38	38	38	38	38	38	38	38	38	38
54 LONGVIEW FIBRE TO WAPA *		37	36	36	36	36	15	0	0	0	0
55 OTHER ENTITIES EXP TO PSW		131	131	131	131	131	110	95	95	95	95
-- INTRA-COMPANY TRANSFERS TO PSW --											
56 PP&L TO PP&L N. CALIF.		13	14	15	17	18	19	20	21	22	25
57 TOTAL EXPORTS TO PSW		1622	1643	1679	1515	1270	1025	842	779	650	535
EXPORTS TO CANADA											
58 BPA CAN. ENT. TO BC HYDRO		307	277	292	375	530	528	525	522	519	517
59 AVC TO WEST KOOTENAI CAP S		8	0	0	0	0	0	0	0	0	0
60 EXPORTS TO CANADA		315	277	292	375	530	528	525	522	519	517
TOTAL EXPORTS											
61 FEDERAL SYSTEM		1174	1263	1314	1239	1178	1060	1031	1010	936	849
62 PUBLIC AGENCIES		84	84	84	84	84	64	43	43	20	14
63 INVESTOR-OWNED UTILITIES		570	514	517	515	486	402	284	242	211	190
64 OTHER ENTITIES *		132	131	131	131	131	110	95	95	95	95
65 TOTAL EXPORTS		1960	1992	2046	1969	1879	1636	1453	1390	1262	1148

NOTE: 1. THE FOLLOWING CONTRACTS ARE SHOWN AS POWER SALES THROUGH THE STUDY HORIZON

A. BPA TO BURBANK: PWR SALE & C/N/X C. BPA TO PASADENA: PWR SALE & C/N/X

B. BPA TO GLENDALE: PWR SALE & C/N/X D. BPA TO SCE: PWR SALE & C/N/X

2. BPA TO SCE: OPTION CAPACITY IS INCLUDED THROUGH OY 2004.

REGULATED HYDRO PROJECTS

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
REGULATED HYDRO PROJECTS										
45 RIVER MILL PGE	11	11	12	12	12	12	12	12	12	12
46 ROCK ISLAND CHLN	288	288	288	288	288	288	288	288	288	288
47 RKY REACH AFTER ENC. CHLN	552	552	552	553	552	552	552	552	552	552
48 ROSS SCL	84	84	84	84	84	84	84	84	84	84
49 ROUND BUTTE PGE	89	89	89	89	89	89	89	89	89	89
50 SWIFT 1 PP&L	60	60	60	60	60	60	60	60	60	60
51 SWIFT 2 COW	22	22	22	22	22	22	22	22	22	22
52 THE DALLES FED	516	516	516	516	516	516	516	516	516	516
53 THOMPSON FLS REGIONAL MPC	20	20	19	19	19	19	19	19	19	19
54 TRAIL BRIDGE EUG	3	4	4	3	3	3	3	4	3	3
55 UPPER BAKER PSE	35	35	35	35	35	35	35	35	35	35
56 UPPER FALLS AVC	8	8	8	8	8	8	8	8	8	8
57 WANAPUM AFTER ENC. GRNT	379	379	379	379	379	379	379	379	379	379
58 WELLS AFTER ENC. DGLS	349	349	349	349	349	349	349	349	349	349
59 WHITE PSE	34	34	34	34	34	34	34	34	34	34
60 YALE PP&L	59	59	59	59	59	59	59	59	59	59
61 REGULATED HYDRO W/ENC.	10748	10747	10757	10764	10772	10779	10787	10794	10802	10805
TOTAL REGULATED HYDRO W/ENCROACHMENTS										
62 FEDERAL SYSTEM	6361	6361	6375	6382	6390	6397	6405	6412	6419	6422
63 PUBLIC AGENCIES	1723	1736	1750	1762	1774	1785	1919	1960	1959	1959
64 INVESTOR-OWNED UTILITIES	2537	2523	2505	2493	2481	2470	2336	2295	2296	2296
65 OTHER ENTITIES	127	127	127	127	127	127	127	127	128	128
66 TOTAL REGULATED HYDRO W/ENC	10748	10747	10757	10764	10772	10779	10787	10794	10802	10805
HYDRO INDEPENDENTS (FROM TABLE A-4)										
67 FEDERAL SYSTEM	379	379	392	393	393	393	393	393	393	393
68 PUBLIC AGENCIES	138	138	138	138	138	138	138	138	138	138
69 INVESTOR-OWNED UTILITIES	588	588	579	578	578	577	578	578	577	578
70 TOTAL HYDRO INDEPENDENTS	1105	1105	1109	1109	1109	1108	1109	1109	1108	1109
TOTAL REGIONAL HYDRO										
71 FEDERAL SYSTEM	6740	6740	6767	6775	6783	6790	6798	6805	6812	6815
72 PUBLIC AGENCIES	1861	1874	1888	1900	1912	1923	2057	2098	2097	2097
73 INVESTOR-OWNED UTILITIES	3125	3111	3084	3071	3059	3047	2914	2873	2873	2874
74 OTHER ENTITIES	127	127	127	127	127	127	127	127	128	128
75 TOTAL REGIONAL HYDRO	11853	11852	11866	11873	11881	11887	11896	11903	11910	11914

HYDRO INDEPENDENTS		1998 WHITE BOOK: 12/31/98									
		OPERATING YEAR RUN DATE: 12/31/98									
MEGAWATTS		1999-0	2000-1	2001-2	2002-3	2003-4	2004-5	2005-6	2006-7	2007-8	2008-9
		AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
		-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
HYDRO INDEPENDENTS											
50	MOYIE SPRINGS BONFY	2	2	2	2	2	2	2	2	2	2
51	MYSTICE REGIONAL MPC	3	3	2	2	2	2	2	2	2	2
52	NORTH UMPQUA PP&L	107	107	107	107	107	107	107	107	107	107
53	PALISADES FED	66	66	66	66	66	66	66	66	66	66
54	RAINBOW REGIONAL MPC	12	12	11	11	11	11	11	11	11	11
55	REEDER GULCH ASHLD	0	0	0	0	0	0	0	0	0	0
56	ROGUE PP&L	36	36	36	36	36	36	36	36	36	36
57	ROZA - PUMPING LOAD FED	6	6	6	6	6	6	6	6	6	6
58	RYAN REGIONAL MPC	2	2	2	2	2	2	2	2	2	2
59	SHOSHONE FALLS IPC	9	9	9	9	9	9	9	9	9	9
60	SNOOQUALMIE ELCT & NK PSE	46	46	46	46	46	46	46	46	46	46
61	SODA CREEK SODAS	0	0	0	0	0	0	0	0	0	0
62	SOUTH FORK TOLT SCL	6	6	6	6	6	6	6	6	6	6
63	SPRINGS PLANTS IPC	28	28	28	28	28	28	28	28	28	28
64	STONE CREEK EUG	7	7	7	7	7	7	7	7	7	7
65	STRAWBERRY LWVAL	2	2	2	2	2	2	2	2	2	2
66	SWAN FALLS IPC	16	16	16	16	16	16	16	16	16	16
67	T W SULLIVAN PGE	14	14	14	14	14	14	14	14	14	14
68	THE DALLES FISHWAY NWSO	3	3	3	3	3	3	3	3	3	3
69	TWIN FALLS IPC	6	6	6	6	6	6	6	6	6	6
70	UPPER SALMON 1&2 IPC	18	18	18	18	18	18	18	18	18	18
71	UPPER SALMON 3&4 IPC	16	16	16	16	16	16	16	16	16	16
72	WATERVILLE EUG	6	6	6	6	6	6	6	6	6	6
73	WYNOCHEE TPU	4	4	4	4	4	4	4	4	4	4
74	YELM CNTRA	9	9	9	9	9	9	9	9	9	9
75 TOTAL HYDRO INDEPENDENTS		1105	1105	1109	1109	1109	1108	1109	1109	1108	1109
TOTAL HYDRO INDEPENDENTS											
76	FEDERAL SYSTEM	379	379	392	393	393	393	393	393	393	393
77	PUBLIC AGENCIES	138	138	138	138	138	138	138	138	138	138
78	INVESTOR-OWNED UTILITIES	588	588	579	578	578	577	578	578	577	578
79 TOTAL HYDRO INDEPENDENTS		1105	1105	1109	1109	1109	1108	1109	1109	1108	1109

TABLE A-5

SHEET 1 OF 2

IMPORTS		1998 WHITE BOOK: 12/31/98									
OPERATING YEAR		RUN DATE: 12/31/98									
MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG	
IMPORTS FROM EAST											
1 BASIN ELEC. TO BPA PWR S	0	0	0	0	0	0	0	0	0	0	
2 PP&L (WY) TO BPA SO ID	94	94	94	94	94	94	94	94	94	94	
3 IMPORTS FROM EAST	94	94	94	94	94	94	94	94	94	94	
INTRA-COMPANY TRANSFERS FROM EAST											
4 PP&L (WY) TO PP&L	801	802	719	742	732	658	660	661	581	604	
INTRA-COMPANY TRANSFERS FROM INLAND SOUTHWEST											
5 UTAH	357	357	360	364	370	372	373	376	381	383	
IMPORTS FROM PSW											
6 ANAHEIM TO BPA XCHG NRG	3	3	3	3	3	3	3	3	3	3	
7 ANAHEIM TO BPA PK REPL 1	3	3	3	3	3	3	3	3	3	3	
8 ANAHEIM TO BPA PK REPL 2	3	3	3	3	3	3	3	3	3	2	
9 AZUSA TO BPA PWR X	1	1	1	1	1	0	0	0	0	0	
10 AZUSA TO BPA PK REPL	1	1	1	1	1	0	0	0	0	0	
11 BANNING TO BPA PWR X	0	0	0	0	0	0	0	0	0	0	
12 BANNING TO BPA PK REPL	0	0	0	0	0	0	0	0	0	0	
13 BURBANK TO BPA XCHG NRG	0	0	0	0	0	0	0	0	0	0	
14 COLTON TO BPA PWR X	1	1	1	1	1	0	0	0	0	0	
15 COLTON TO BPA PK REPL	1	1	1	1	1	0	0	0	0	0	
16 BGP TO BPA SUPP NRG	0	0	0	0	0	0	0	0	0	0	
17 GLENDALE TO BPA XCHG NRG	0	0	0	0	0	0	0	0	0	0	
18 OTHER ENTITIES TO BPA	19	0	0	0	0	0	0	0	0	0	
19 PASADENA TO BPA XCH NRG 2	0	0	0	0	0	0	0	0	0	0	
20 PASADENA TO BPA XCH NRG 1	2	2	2	2	2	2	2	2	2	2	
21 PASADENA TO BPA PK REPL	1	1	1	1	1	1	1	1	1	1	
22 PASADENA TO BPA SEAS RPLC	1	1	0	0	0	1	1	1	0	0	
23 RIVERSIDE TO BPA XCH NRG 1	3	3	3	3	3	3	3	3	3	3	
24 RIVERSIDE TO BPA PK REPL 1	3	3	3	3	3	3	3	3	3	2	
25 RIVERSIDE TO BPA PK REPL 2	3	3	3	3	3	3	3	3	3	3	
26 RIVERSIDE TO BPA SEAS XCHG	4	4	4	4	4	4	4	4	4	4	
27 RIVERSIDE TO BPA XCH NRG 3	7	7	7	7	7	7	7	7	7	7	
28 RIVERSIDE TO BPA PK REPL 3	5	5	5	5	5	5	5	5	5	5	
29 SIERRA TO BPA HARNEY&WELLS	60	60	60	60	60	60	60	60	60	60	
30 SCE TO BPA XCHG NRG	0	0	0	0	0	0	0	0	0	0	
31 SCE TO BPA SUPP NRG	0	0	0	0	0	0	0	0	0	0	
32 SCE TO BPA ENV STORAGE	9	9	0	0	0	0	0	0	0	0	
33 SCE TO BPA OPT NRG	71	71	71	71	71	0	0	0	0	0	
34 SCE TO BPA PK REPL	31	31	31	31	31	0	0	0	0	0	
35 SCE TO PP&L PWR S	60	60	60	60	30	0	0	0	0	0	
36 GLENDALE TO PGE SPX	3	3	3	3	3	3	3	3	3	3	
37 PG&E TO PSE SPX	47	47	47	47	47	47	47	47	24	0	
38 NCPA TO SCL SPX	12	12	13	13	13	13	13	13	13	13	
39 IMPORTS FROM PSW	354	335	326	326	296	161	161	161	137	111	

IMPORTS		1998 WHITE BOOK: 12/31/98									
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OPERATING YEAR		1999-0	2000-1	2001-2	2002-3	2003-4	2004-5	2005-6	2006-7	2007-8	2008-9
MEGAWATTS		AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
IMPORTS FROM CANADA											
40 BC HYDRO TO PSE	PWR S	2	0	0	0	0	0	0	0	0	0
41 BC HYDRO TO SCL	ROSS	36	35	36	36	35	36	36	36	36	36
42 POWEREX TO BENTON REA	PWR S	31	31	7	0	0	0	0	0	0	0
43 PWRX TO BPA (ABC)	PK REP	1	1	1	1	1	0	0	0	0	0
44 PWRX TO BPA (P.ALTO)	PK REP	0	0	0	0	0	0	0	0	0	0
45 POWEREX TO CLRWATER	PWR S	10	10	1	0	0	0	0	0	0	0
46 POWEREX TO EWEB	PWR S	20	20	20	20	3	0	0	0	0	0
47 W KOOTENAY TO AVC	PK REP	8	0	0	0	0	0	0	0	0	0
48 IMPORTS FROM CANADA		108	97	65	57	39	36	36	36	36	36
TOTAL IMPORTS											
49 FEDERAL SYSTEM		327	308	299	299	299	192	193	192	192	190
50 PUBLIC AGENCIES		109	109	77	68	51	48	48	48	48	48
51 INVESTOR-OWNED UTILITIES		1278	1268	1188	1216	1181	1081	1083	1088	989	990
52 TOTAL IMPORTS		1714	1685	1564	1583	1531	1321	1324	1328	1229	1228

NOTE: 1. BPA TO SCE: OPTION ENERGY IS INCLUDED THROUGH OY 2004.

2. THE FOLLOWING CONTRACTS ARE RESOURCE OPTIONS AND NOT INCLUDED THROUGH THE STUDY HORIZON.

A. BGP TO BPA: SUPPLEMENTAL ENERGY B. SCE TO BPA: SUPPLEMENTAL ENERGY

TABLE A-7

COMBUSTION TURBINES

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG -----	2000-1 AVG -----	2001-2 AVG -----	2002-3 AVG -----	2003-4 AVG -----	2004-5 AVG -----	2005-6 AVG -----	2006-7 AVG -----	2007-8 AVG -----	2008-9 AVG -----
COMBUSTION TURBINES										
-- PUBLIC AGENCIES --										
1 RIVER ROAD (COGNTRX) CLRK	242	242	238	240	241	237	240	241	237	240
-- INVESTOR-OWNED UTILITIES --										
2 BETHEL PGE	52	52	52	52	52	52	52	52	52	52
3 BEAVER PGE	389	389	389	389	389	389	389	389	389	389
4 WHIDBEY ISLAND PSE	1	1	1	1	1	1	1	1	1	1
5 WHITEHORN PSE	6	6	6	6	6	6	6	6	6	6
6 FREDRICKSON PSE	4	4	4	4	4	4	4	4	4	4
7 FREDONIA UNITS 1&2 PSE	6	6	6	6	6	6	6	6	6	6
8 NORTHEAST UNITS 1&2 AVC	54	54	54	54	54	54	54	54	54	54
9 INVESTOR-OWNED UTILITIES	512	512	512	512	512	512	512	512	512	512
TOTAL COMBUSTION TURBINES										
10 TOTAL COMBUSTION TURBINES	754	754	750	752	753	749	752	753	749	752

TABLE A-9

COGENERATION		1998 WHITE BOOK: 12/31/98									
OPERATING YEAR		RUN DATE: 12/31/98									
MEGAWATTS		1999-0 AVG -----	2000-1 AVG -----	2001-2 AVG -----	2002-3 AVG -----	2003-4 AVG -----	2004-5 AVG -----	2005-6 AVG -----	2006-7 AVG -----	2007-8 AVG -----	2008-9 AVG -----
COGENERATION											
-- PUBLIC AGENCIES --											
1	WEYCO ENERGY CENTER EWEB	14	14	14	14	14	14	14	14	14	14
2	PUBLIC AGENCIES	14	14	14	14	14	14	14	14	14	14
-- INVESTOR-OWNED UTILITIES --											
3	COYOTE SPRINGS PGE	219	219	219	219	219	219	219	219	219	219
4	HERMISTON PP&L	406	406	406	406	406	406	406	406	406	406
5	INVESTOR-OWNED UTILITIES	625	625	625	625	625	625	625	625	625	625
-- OTHER ENTITIES --											
6	LONGVIEW FIBRE FOR WAPA *	36	36	36	36	36	15	0	0	0	0
TOTAL COGENERATION											
7	TOTAL COGENERATION	675	675	675	675	675	654	639	639	639	639

TABLE A-10

SHEET 1 OF 2

OPERATING YEAR	LARGE THERMAL									
	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
LARGE THERMAL										
BOARDMAN: COAL										
1 IPC SHARE 10.0 %	39	39	39	39	39	39	39	39	39	39
2 PGE SHARE 65.2 %	251	251	251	251	251	251	251	251	251	251
3 BOARDMAN (75.8% REGION)	290	290	290	290	290	290	290	290	290	290
-- NON-NORTHWEST UTILITIES SHARE --										
4 SDG&E SHARE 14.8 % *	57	57	57	57	57	57	57	57	57	57
5 TURLOCK SHARE 10.0 % *	38	38	38	38	38	38	38	38	38	38
6 BOARDMAN (24.2% NON-REGION)	95	95	95	95	95	95	95	95	95	95
7 BOARDMAN TOTAL	385	385	385	385	385	385	385	385	385	385
CENTRALIA: COAL										
8 PP&L SHARE 47.5 %	572	572	572	572	561	561	572	572	572	572
9 PGE SHARE 2.5 %	30	30	30	30	30	30	30	30	30	30
10 PSE SHARE 7.0 %	85	85	85	84	83	83	85	85	85	85
11 SCL SHARE 8.0 %	96	96	96	96	95	95	96	96	96	96
12 TPU SHARE 8.0 %	96	96	96	96	94	94	96	96	96	96
13 AVC SHARE 15.0 %	181	181	181	181	177	177	181	181	181	181
14 SNOHOM SHARE 8.0 %	96	96	96	96	94	94	96	96	96	96
15 GHARBOR SHARE 4.0%	48	48	48	48	47	47	48	48	48	48
16 CENTRALIA TOTAL	1204	1204	1204	1203	1180	1180	1204	1204	1204	1204
COLSTRIP 1 & 2: COAL										
17 MPC SHARE IN REGION	113	112	104	104	105	104	104	104	105	105
18 PSE SHARE	272	272	272	272	272	272	272	272	272	272
19 COLSTRIP 1 & 2 REGION TOTAL	385	384	376	376	377	376	376	376	377	377
COLSTRIP 3: COAL										
20 MPC SHARE IN REGION	83	82	77	77	77	77	76	77	77	78
21 PP&L SHARE 10 %	66	66	66	66	66	66	66	66	66	66
22 PGE SHARE 20 %	132	132	132	132	132	132	132	132	132	132
23 PSE SHARE 25 %	165	165	165	165	165	165	165	165	165	165
24 AVC SHARE 15 %	100	99	99	99	99	99	99	99	99	99
25 COLSTRIP 3 REGIONAL TOTAL	546	544	539	539	539	539	538	539	539	540

LARGE THERMAL OPERATING YEAR		1998 WHITE BOOK: 12/31/98 RUN DATE: 12/31/98									
		1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
LARGE THERMAL											
COLSTRIP 4: COAL											
26 MPC SHARE 30 %	198	198	198	198	198	198	198	198	198	198	198
27 PP&L SHARE 10 %	67	67	67	67	67	67	67	67	67	67	67
28 PGE SHARE 20 %	132	132	132	132	132	132	132	132	132	132	132
29 PSE SHARE 25 %	165	165	165	165	165	165	165	165	165	165	165
30 AVC SHARE 15 %	99	99	99	99	99	99	99	99	99	99	99
31 COLSTRIP 4 REGIONAL TOTAL	661	661	661	661	661	661	661	661	661	661	661
JIM BRIDGER: COAL											
32 IPC SHARE 33%	605	606	611	612	597	606	600	605	607	611	611
VALMY: COAL											
33 IPC SHARE 50%	195	195	195	195	195	194	195	195	195	195	195
WNP 2: NUCLEAR											
34 FEDERAL SHARE 100%	885	875	1000	875	1000	875	1000	875	1000	875	875
35 TOTAL LARGE THERMAL	4866	4854	4971	4846	4934	4816	4959	4840	4968	4848	4848
TOTAL LARGE THERMAL											
36 FEDERAL SYSTEM	885	875	1000	875	1000	875	1000	875	1000	875	875
37 PUBLIC AGENCIES	336	336	336	336	330	330	336	336	336	336	336
38 INVESTOR-OWNED UTILITIES	3549	3547	3539	3540	3509	3516	3527	3533	3536	3541	3541
39 NON-NORTHWEST UTILITIES *	95	95	95	95	95	95	95	95	95	95	95
40 TOTAL LARGE THERMAL	4866	4854	4971	4846	4934	4816	4959	4840	4968	4848	4848

CANADIAN ENTITLEMENT RETURN FOR CSPE
EXPIRING APRIL 1 2003

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
BPA CER FOR CSPE OBLIGATION										
1 BPA CER(CSPE) OBLIGATION	79	76	73	48	0	0	0	0	0	0
PRIEST RAPIDS CER FOR CSPE OBLIGATION										
2 PP&L TO BPA CER(CSPE) PRD	1	1	1	1	0	0	0	0	0	0
3 PGE TO BPA CER(CSPE) PRD	1	1	1	0	0	0	0	0	0	0
4 PSE TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
5 SEATTL TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
6 TPU TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
7 AVC TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
8 GRANT TO BPA CER(CSPE) PRD	1	1	1	1	0	0	0	0	0	0
9 EUGENE TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
10 COWLIZ TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
11 F GROV TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
12 MCMINN TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
13 M FREE TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
14 KITITS TO BPA CER(CSPE) PRD	0	0	0	0	0	0	0	0	0	0
15 PRD CER(CSPE) OBLIGATION	3	3	3	2	0	0	0	0	0	0
WANAPUM CER FOR CSPE OBLIGATION										
16 PP&L TO BPA CER(CSPE) WAN	1	1	1	1	0	0	0	0	0	0
17 PGE TO BPA CER(CSPE) WAN	1	1	1	1	0	0	0	0	0	0
18 PSE TO BPA CER(CSPE) WAN	0	0	0	0	0	0	0	0	0	0
19 AVC TO BPA CER(CSPE) WAN	0	0	0	0	0	0	0	0	0	0
20 GRANT TO BPA CER(CSPE) WAN	2	2	2	1	0	0	0	0	0	0
21 EUGENE TO BPA CER(CSPE) WAN	0	0	0	0	0	0	0	0	0	0
22 COWLIZ TO BPA CER(CSPE) WAN	0	0	0	0	0	0	0	0	0	0
23 F GROV TO BPA CER(CSPE) WAN	0	0	0	0	0	0	0	0	0	0
24 MCMINN TO BPA CER(CSPE) WAN	0	0	0	0	0	0	0	0	0	0
25 M FREE TO BPA CER(CSPE) WAN	0	0	0	0	0	0	0	0	0	0
26 WAN CER(CSPE) OBLIGATION	4	4	4	3	0	0	0	0	0	0
ROCK ISLAND CER FOR CSPE OBLIGATION										
27 CHELAN TO BPA CER(CSPE) RIS	0	0	0	0	0	0	0	0	0	0
28 PSE TO BPA CER(CSPE) RIS	1	1	1	1	0	0	0	0	0	0
29 RIS CER(CSPE) OBLIGATION	1	1	1	1	0	0	0	0	0	0

CANADIAN ENTITLEMENT RETURN FOR CSPE
EXPIRING APRIL 1 2003

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
ROCKY REACH CER FOR CSPE OBLIGATION										
30 PP&L TO BPA CER(CSPE) RRH	1	1	1	0	0	0	0	0	0	0
31 PGE TO BPA CER(CSPE) RRH	1	1	1	1	0	0	0	0	0	0
32 PSE TO BPA CER(CSPE) RRH	4	4	3	2	0	0	0	0	0	0
33 AVC TO BPA CER(CSPE) RRH	0	0	0	0	0	0	0	0	0	0
34 DOUGLS TO BPA CER(CSPE) RRH	0	0	0	0	0	0	0	0	0	0
35 CHELAN TO BPA CER(CSPE) RRH	1	1	1	1	0	0	0	0	0	0
36 COLOCK TO BPA CER(CSPE) RRH	2	2	2	1	0	0	0	0	0	0
37 RRH CER(CSPE) OBLIGATION	9	9	8	5	0	0	0	0	0	0
WELLS CER FOR CSPE OBLIGATION										
38 PP&L TO BPA CER(CSPE) WEL	0	0	0	0	0	0	0	0	0	0
39 PGE TO BPA CER(CSPE) WEL	1	1	1	1	0	0	0	0	0	0
40 PSE TO BPA CER(CSPE) WEL	2	2	2	1	0	0	0	0	0	0
41 AVC TO BPA CER(CSPE) WEL	0	0	0	0	0	0	0	0	0	0
42 DOUGLS TO BPA CER(CSPE) WEL	2	1	1	1	0	0	0	0	0	0
43 OKANOG TO BPA CER(CSPE) WEL	1	1	1	0	0	0	0	0	0	0
44 WEL CER(CSPE) OBLIGATION	6	5	5	3	0	0	0	0	0	0
45 TOTAL CER(CSPE) OBLIGATION	102	98	94	62	0	0	0	0	0	0
TOTAL CER FOR CSPE OBLIGATION										
46 FEDERAL SYSTEM	79	76	73	48	0	0	0	0	0	0
47 PUBLIC AGENCIES	7	6	6	4	0	0	0	0	0	0
48 INVESTOR-OWNED UTILITIES	14	14	13	9	0	0	0	0	0	0
49 OTHER ENTITIES	2	2	2	1	0	0	0	0	0	0
50 TOTAL CER FOR CSPE	102	98	94	62	0	0	0	0	0	0

TABLE A-13

COLUMBIA STORAGE POWER EXCHANGE (CSPE) PURCHASE
EXPIRING APRIL 1 2003

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
CSPE PURCHASE										
-- PUBLIC AGENCIES --										
1 BPA TO CHELAN CSPE	1	1	1	1	0	0	0	0	0	0
2 BPA TO CLARK CSPE	3	3	3	2	0	0	0	0	0	0
3 BPA TO COWLITZ CSPE	3	3	2	2	0	0	0	0	0	0
4 BPA TO DOUGLAS CSPE	0	0	0	0	0	0	0	0	0	0
5 BPA TO EWEB CSPE	6	5	5	3	0	0	0	0	0	0
6 BPA TO GRANT CSPE	0	0	1	0	0	0	0	0	0	0
7 BPA TO GRAYS HARBOR CSPE	1	2	1	1	0	0	0	0	0	0
8 BPA TO PEND O CSPE	0	0	0	0	0	0	0	0	0	0
9 BPA TO SCL CSPE	13	12	12	8	0	0	0	0	0	0
10 BPA TO SNOHOMISH CSPE	2	2	1	1	0	0	0	0	0	0
11 BPA TO SUB CSPE	0	1	1	0	0	0	0	0	0	0
12 BPA TO TPU CSPE	13	12	12	8	0	0	0	0	0	0
13 BPA TO SMALL NGP CSPE	9	8	8	5	0	0	0	0	0	0
14 TOTAL BPA TO PUBLIC	51	49	47	31	0	0	0	0	0	0
-- INVESTOR-OWNED UTILITIES --										
15 BPA TO AVC	5	5	5	3	0	0	0	0	0	0
16 BPA TO PGE	18	17	16	11	0	0	0	0	0	0
17 BPA TO PPL	10	10	9	6	0	0	0	0	0	0
18 BPA TO PSE	18	17	17	11	0	0	0	0	0	0
19 TOTAL BPA TO IOU	51	49	47	31	0	0	0	0	0	0
TOTAL CSPE PURCHASE										
20 TOTAL CSPE PURCHASE	102	98	94	62	0	0	0	0	0	0

SUPPLEMENTAL AND ENTITLEMENT CAPACITY
EXPIRING APRIL 1 2003

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
SUPPLEMENTAL AND ENTITLEMENT CAPACITY										
-- PUBLIC AGENCIES --										
1 BPA TO CHELAN SUP CAP	2	3	3	3	0	0	0	0	0	0
2 BPA TO COWLITZ SUP CAP	0	1	1	0	0	0	0	0	0	0
3 BPA TO DOUGLAS SUP CAP	2	2	2	1	0	0	0	0	0	0
4 BPA TO EWEB SUP CAP	0	0	0	0	0	0	0	0	0	0
5 BPA TO GRANT SUP CAP	10	9	9	5	0	0	0	0	0	0
6 BPA TO OKANOGAN SUP CAP	1	1	1	1	0	0	0	0	0	0
7 BPA TO SCL SUP CAP	1	1	1	1	0	0	0	0	0	0
8 BPA TO TPU SUP CAP	1	1	1	1	0	0	0	0	0	0
9 BPA TO FGROVE SUP CAP	0	0	0	0	0	0	0	0	0	0
10 BPA TO MCMINN SUP CAP	0	0	0	0	0	0	0	0	0	0
11 BPA TO MFREE SUP CAP	0	0	0	0	0	0	0	0	0	0
12 BPA TO KITTITAS SUP CAP	0	0	0	0	0	0	0	0	0	0
13 BPA TO PGE SUP CAP	8	7	7	5	0	0	0	0	0	0
14 BPA TO PPL SUP CAP	7	6	5	3	0	0	0	0	0	0
15 BPA TO PSE SUP CAP	13	12	11	6	0	0	0	0	0	0
16 BPA TO AVC SUP CAP	2	2	2	1	0	0	0	0	0	0
17 BPA TO COLOCKUM SUP CAP	4	4	3	1	0	0	0	0	0	0
18 CHELAN TO BPA SUP REP	2	4	4	2	0	0	0	0	0	0
19 COWLITZ TO BPA SUP REP	1	1	1	0	0	0	0	0	0	0
20 DOUGLAS TO BPA SUP REP	2	2	2	1	0	0	0	0	0	0
21 EWEB TO BPA SUP REP	0	0	0	0	0	0	0	0	0	0
22 GRANT TO BPA SUP REP	10	9	8	5	0	0	0	0	0	0
23 OKANOGAN TO BPA SUP REP	1	1	1	1	0	0	0	0	0	0
24 SCL TO BPA SUP REP	1	1	1	1	0	0	0	0	0	0
25 TPU TO BPA SUP REP	1	1	1	1	0	0	0	0	0	0
26 FGROVE TO BPA SUP REP	0	0	0	0	0	0	0	0	0	0
27 MCMINN TO BPA SUP REP	0	0	0	0	0	0	0	0	0	0
28 MFREE TO BPA SUP REP	0	0	0	0	0	0	0	0	0	0
29 KITTITAS TO BPA SUP REP	0	0	0	0	0	0	0	0	0	0
30 PGE TO BPA SUP REP	8	7	7	5	0	0	0	0	0	0
31 PPL TO BPA SUP REP	7	6	5	3	0	0	0	0	0	0
32 PSE TO BPA SUP REP	13	11	10	6	0	0	0	0	0	0
33 AVC TO BPA SUP REP	2	2	2	1	0	0	0	0	0	0
34 COLOCKUM TO BPA SUP REP	3	3	3	1	0	0	0	0	0	0
35 TOTAL SUPP & ENT CAPACITY	102	96	91	56	0	0	0	0	0	0

SUPPLEMENTAL AND ENTITLEMENT CAPACITY
EXPIRING APRIL 1 2003

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999- 0	2000- 1	2001- 2	2002- 3	2003- 4	2004- 5	2005- 6	2006- 7	2007- 8	2008- 9
	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
TOTAL SUPP & ENT CAPACITY CONTRACTS OUT										
36 FEDERAL SUPP & ENT CAP OUT	51	49	46	28	0	0	0	0	0	0
37 PUBLIC SUPP & ENT CAP OUT	18	19	18	11	0	0	0	0	0	0
38 IOU SUPP & ENT CAP OUT	30	26	24	15	0	0	0	0	0	0
39 OTHER SUPP & ENT CAP OUT	3	3	3	1	0	0	0	0	0	0
40 TOTAL SUPP & ENT CAP OUT	102	97	91	55	0	0	0	0	0	0
TOTAL SUPP & ENT CAPACITY CONTRACTS IN										
41 FEDERAL SUPP & ENT CAP IN	51	48	45	27	0	0	0	0	0	0
42 PUBLIC SUP & ENT CAP IN	17	18	18	12	0	0	0	0	0	0
43 IOU SUPP & ENT CAP IN	30	27	25	15	0	0	0	0	0	0
44 OTHER SUPP & ENT CAP IN	4	4	3	1	0	0	0	0	0	0
45 TOTAL SUPP & ENT CAP IN	102	97	91	55	0	0	0	0	0	0

CANADIAN ENTITLEMENT RETURN FOR CANADA
BEGINNING APRIL 1 1998

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
BPA CER FOR CANADA OBLIGATION										
1 BPA CER(CAN) OBLIGATION	224	196	212	274	385	380	381	378	376	374
PRIEST RAPIDS CER FOR CANADA OBLIGATION										
2 PP&L TO BPA CER(CAN) PRD	3	3	3	3	4	4	1	0	0	0
3 PGE TO BPA CER(CAN) PRD	3	3	3	3	4	4	1	0	0	0
4 PSE TO BPA CER(CAN) PRD	1	1	1	2	3	3	1	0	0	0
5 SEATTL TO BPA CER(CAN) PRD	1	1	1	2	3	3	1	0	0	0
6 TPU TO BPA CER(CAN) PRD	2	1	2	2	2	3	1	0	0	0
7 AVC TO BPA CER(CAN) PRD	1	1	1	1	2	2	0	0	0	0
8 GRANT TO BPA CER(CAN) PRD	7	7	6	8	11	12	26	31	31	31
9 EUGENE TO BPA CER(CAN) PRD	0	0	0	0	1	0	0	0	0	0
10 COWLIZ TO BPA CER(CAN) PRD	0	0	0	1	1	1	0	0	0	0
11 F GROV TO BPA CER(CAN) PRD	0	0	0	0	0	0	0	0	0	0
12 MCMINN TO BPA CER(CAN) PRD	0	0	0	0	0	0	0	0	0	0
13 M FREE TO BPA CER(CAN) PRD	0	0	0	0	0	0	0	0	0	0
14 KITITS TO BPA CER(CAN) PRD	0	0	0	0	0	0	0	0	0	0
15 PRD CER(CAN) OBLIGATION	18	17	17	22	31	32	31	31	31	31
WANAPUM CER FOR CANADA OBLIGATION										
16 PP&L TO BPA CER(CAN) WAN	3	3	3	4	6	6	6	6	6	6
17 PGE TO BPA CER(CAN) WAN	3	3	3	4	6	6	6	6	5	5
18 PSE TO BPA CER(CAN) WAN	2	2	2	2	3	3	3	3	3	3
19 AVC TO BPA CER(CAN) WAN	2	1	1	2	2	3	2	2	2	2
20 GRANT TO BPA CER(CAN) WAN	6	6	6	8	11	11	11	11	11	11
21 EUGENE TO BPA CER(CAN) WAN	0	1	1	0	1	1	1	1	1	1
22 COWLIZ TO BPA CER(CAN) WAN	1	1	1	1	1	1	1	1	1	1
23 F GROV TO BPA CER(CAN) WAN	0	0	0	0	0	0	0	0	0	0
24 MCMINN TO BPA CER(CAN) WAN	0	0	0	0	0	0	0	0	0	0
25 M FREE TO BPA CER(CAN) WAN	0	0	0	0	0	0	0	0	0	0
26 WAN CER(CAN) OBLIGATION	17	17	17	21	30	31	30	30	29	29
ROCK ISLAND CER FOR CANADA OBLIGATION										
27 CHELAN TO BPA CER(CAN) RIS	5	5	5	6	9	9	9	9	9	9
28 PSE TO BPA CER(CAN) RIS	6	6	5	7	10	10	10	10	10	10
29 RIS CER(CAN) OBLIGATION	11	11	10	13	19	19	19	19	19	19

CANADIAN ENTITLEMENT RETURN FOR CANADA
BEGINNING APRIL 1 1998

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
ROCKY REACH CER FOR CANADA OBLIGATION										
30 PP&L TO BPA CER(CAN) RRH	1	1	1	1	2	2	2	2	2	2
31 PGE TO BPA CER(CAN) RRH	3	3	3	3	5	5	5	5	5	5
32 PSE TO BPA CER(CAN) RRH	9	8	8	11	15	16	15	15	15	15
33 AVC TO BPA CER(CAN) RRH	1	1	1	1	1	1	1	1	1	1
34 DOUGLS TO BPA CER(CAN) RRH	0	1	1	1	1	1	1	1	1	1
35 CHELAN TO BPA CER(CAN) RRH	3	3	3	4	6	6	6	6	6	6
36 COLOCK TO BPA CER(CAN) RRH	5	5	5	6	9	9	9	9	9	9
37 RRH CER(CAN) OBLIGATION	22	22	22	27	39	40	39	39	39	39
WELLS CER FOR CANADA OBLIGATION										
38 PP&L TO BPA CER(CAN) WEL	1	1	1	1	2	2	2	2	2	2
39 PGE TO BPA CER(CAN) WEL	3	3	3	4	6	6	5	5	5	5
40 PSE TO BPA CER(CAN) WEL	5	5	5	6	8	8	8	8	8	8
41 AVC TO BPA CER(CAN) WEL	1	0	0	1	1	1	1	1	1	1
42 DOUGLS TO BPA CER(CAN) WEL	4	4	4	5	7	7	7	7	7	7
43 OKANOG TO BPA CER(CAN) WEL	1	1	1	1	2	2	2	2	2	2
44 WEL CER(CAN) OBLIGATION	15	14	14	18	26	26	25	25	25	25
45 TOTAL CER(CAN) OBLIGATION	307	277	292	375	530	528	525	522	519	517
TOTAL CER FOR CANADA OBLIGATION										
46 FEDERAL SYSTEM	224	196	212	274	385	380	381	378	376	374
47 PUBLIC AGENCIES	30	31	31	39	56	57	66	69	69	69
48 INVESTOR-OWNED UTILITIES	48	45	44	56	80	82	69	66	65	65
49 OTHER ENTITIES	5	5	5	6	9	9	9	9	9	9
50 TOTAL CER FOR CANADA	307	277	292	375	530	528	525	522	519	517

CONTRACTS BETWEEN UTILITIES

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
CONTRACTS BETWEEN UTILITIES										
103 PEND O TO SCL PS	12	9	9	9	9	9	0	0	0	0
104 PGE TO BPA PK REPL	25	0	0	0	0	0	0	0	0	0
105 PGE TO CANBY PS	14	14	2	0	0	0	0	0	0	0
106 PGE TO CHELAN XCHG NRG	4	4	4	4	4	4	4	4	4	4
107 PGE TO CHELAN PK REPL	2	2	2	2	2	2	2	2	2	2
108 PGE TO CLALLAM PS	2	2	0	0	0	0	0	0	0	0
109 PGE TO EWEB PS	20	0	0	0	0	0	0	0	0	0
110 PGE TO PNGC CAP S	0	0	0	0	0	0	0	0	0	0
111 PGE TO PP&L COVE REPL	3	3	3	3	3	3	3	3	3	3
112 PGE TO SNOH PS	58	61	10	0	0	0	0	0	0	0
113 PGE TO AVC PK REPL	45	45	45	45	45	45	45	45	45	45
114 PNGC TO PGE PK REPL	0	0	0	0	0	0	0	0	0	0
115 PSE TO BPA WP3 S	42	42	42	42	42	42	42	42	42	42
116 PSE TO GHBR CNTRL XCHG	50	50	0	0	0	0	0	0	0	0
117 PSE TO AVC PS	1	-1	0	0	0	0	0	0	0	0
118 SCL TO PEND O PS	28	32	32	32	32	32	42	42	42	42
119 SCL TO IPC SPX	14	14	14	14	6	0	0	0	0	0
120 SCL TO TPU NRG S	4	4	4	4	4	0	0	0	0	0
121 SNOH TO PSE (CONS) PS1	5	5	0	0	0	0	0	0	0	0
122 SNOH TO PSE PS2	0	0	11	11	11	11	11	10	10	11
123 TPU TO SCL NRG S	4	4	4	4	4	0	0	0	0	0
124 AVC TO BPA WP3 S	42	42	42	42	42	42	42	42	42	42
125 AVC TO CHENEY PS	2	2	0	0	0	0	0	0	0	0
126 AVC TO CLARK PS2	90	90	9	0	0	0	0	0	0	0
127 AVC TO EWEB PS	7	1	0	0	0	0	0	0	0	0
128 AVC TO MPC PS1	100	100	0	0	0	0	0	0	0	0
129 AVC TO MPC PS2	101	99	0	0	0	0	0	0	0	0
130 AVC TO OTHER ENTITIES PS	215	215	36	0	0	0	0	0	0	0
131 AVC TO PP&L PS	9	10	10	10	5	0	0	0	0	0
132 AVC TO PP&L SPX	3	3	3	3	3	3	3	3	3	2
133 AVC TO PEND OREILLE PWR S	6	0	0	0	0	0	0	0	0	0
134 AVC TO PGE CAP S	45	45	45	45	45	45	45	45	45	45
135 AVC TO PSE PS	75	62	38	10	0	0	0	0	0	0
136 AVC TO SNOH PS	50	50	50	50	50	50	50	8	0	0
137 TOTAL CONTRACTS	4462	3685	2827	2797	2518	2465	2399	1549	1340	1339
TOTAL CONTRACTS OUT										
138 FEDERAL CONTRACTS OUT	1961	1331	1630	1779	1754	1759	1692	878	677	676
139 PUBLIC CONTRACTS OUT	195	196	151	151	143	129	130	129	129	130
140 IOU CONTRACTS OUT	2033	1885	914	813	628	584	584	543	534	533
141 OTHER ENTITIES CONT OUT	273	273	130	60	0	0	-1	0	0	0
142 TOTAL CONTRACTS OUT	4462	3685	2825	2803	2525	2472	2405	1550	1340	1339
TOTAL CONTRACTS IN										
143 FEDERAL CONTRACTS IN	573	505	434	390	360	360	359	359	359	359
144 PUBLIC CONTRACTS IN	1101	945	937	992	983	980	971	335	221	221
145 IOU CONTRACTS IN	2049	1715	967	906	748	698	698	698	698	697
146 OTHER ENTITIES CONT IN	739	520	487	515	434	434	377	158	62	62
147 TOTAL CONTRACTS IN	4462	3685	2825	2803	2525	2472	2405	1550	1340	1339

TABLE A-23

DEDICATED RESOURCES										
1998 WHITE BOOK: 12/31/98										
OPERATING YEAR										
RUN DATE: 12/31/98										
	1999-0	2000-1	2001-2	2002-3	2003-4	2004-5	2005-6	2006-7	2007-8	2008-9
MEGAWATTS	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG

DEDICATED RESOURCES										
-- PUBLIC AGENCIES --										
1 CHELAN COUNTY PUD #1	193	205	218	231	237	248	248	245	245	245
2 CLARK COUNTY PUD #1	245	245	241	242	241	237	240	241	237	240
3 COWLITZ COUNTY PUD #1	200	76	50	49	47	47	42	40	35	34
4 DOUGLAS COUNTY PUD #1	105	147	155	154	153	153	136	103	103	103
5 EUGENE WATER & ELEC BOARD	221	165	122	106	84	82	77	56	51	51
6 GRANT COUNTY PUD #2	234	234	237	232	228	227	213	208	208	208
7 GRAY'S HARBOR COUNTY PUD 1	25	2	1	1	0	0	0	0	0	0
8 OKANOGAN COUNTY PUD #1	28	28	27	28	27	27	26	26	26	26
9 PEND OREILLE COUNTY PUD #1	2	9	9	9	9	9	28	28	28	28
10 SEATTLE CITY LIGHT	837	828	829	824	813	814	772	765	765	765
11 SNOHOMISH COUNTY PUD #1	145	145	144	144	141	141	143	143	166	172
12 SPRINGFIELD UTILITY BOARD	24	25	21	30	31	31	31	5	0	0
13 TACOMA PUBLIC UTILITIES	426	426	425	421	411	410	388	381	381	381
14 SMALL & NON GEN PUBLIC	434	431	705	776	776	781	780	283	194	194
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15 TOTAL PUBLIC AGENCIES	3118	2965	3183	3247	3198	3207	3124	2523	2438	2446
-- INVESTOR-OWNED UTILITIES --										
16 IDAHO POWER COMPANY	1399	1410	1421	1428	1443	1475	1469	1473	1476	1480
17 MONTANA POWER CO. REGIONAL	331	329	332	332	331	331	331	332	333	336
18 PACIFICORP	2134	2134	2068	2087	2057	1983	1954	1942	1862	1885
19 PORTLAND GENERAL ELECTRIC	790	809	808	802	787	787	748	733	734	734
20 PUGET SOUND ENERGY	1757	1746	1736	1711	1680	1668	1647	1640	1640	1640
21 AVISTA CORP (WWP)	638	646	646	641	633	632	619	616	616	616
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22 TOTAL INVESTOR-OWNED UTILS	7049	7074	7011	7001	6931	6876	6768	6736	6661	6691
TOTAL DEDICATED RESOURCES										
23 TOTAL DEDICATED RESOURCES	10167	10039	10194	10248	10129	10083	9892	9259	9099	9137

TABLE A-24

OTHER DEDICATED RESOURCES

1998 WHITE BOOK: 12/31/98

OPERATING YEAR

RUN DATE: 12/31/98

MEGAWATTS	1999-0 AVG	2000-1 AVG	2001-2 AVG	2002-3 AVG	2003-4 AVG	2004-5 AVG	2005-6 AVG	2006-7 AVG	2007-8 AVG	2008-9 AVG
OTHER DEDICATED RESOURCES										
-- PUBLIC AGENCIES --										
1 CHELAN COUNTY PUD #1	12	11	11	11	11	11	11	11	11	11
2 CLARK COUNTY PUD #1	90	90	9	0	0	0	0	0	0	0
3 COWLITZ COUNTY PUD #1	5	0	0	0	0	0	0	0	0	0
4 DOUGLAS COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0
5 EUGENE WATER & ELEC BOARD	29	29	29	29	29	29	29	28	28	28
6 GRANT COUNTY PUD #2	36	36	36	36	36	36	239	304	304	304
7 GRAY'S HARBOR COUNTY PUD 1	24	48	48	48	47	47	48	48	48	48
8 OKANOGAN COUNTY PUD #1	0	0	0	0	0	0	0	0	0	0
9 PEND OREILLE COUNTY PUD #1	6	0	0	0	0	0	0	0	0	0
10 SEATTLE CITY LIGHT	3	3	4	4	-3	3	3	3	3	3
11 SNOHOMISH COUNTY PUD #1	120	124	49	39	39	39	39	-2	-10	-11
12 SPRINGFIELD UTILITY BOARD	25	22	5	0	0	1	1	0	0	0
13 TACOMA PUBLIC UTILITIES	10	10	-36	-36	-36	-17	4	4	4	4
14 SMALL & NON GEN PUBLIC	50	43	44	45	45	45	45	26	23	23
15 TOTAL PUBLIC AGENCIES	410	416	200	177	169	195	419	423	412	411
-- INVESTOR-OWNED UTILITIES --										
16 IDAHO POWER COMPANY	6	45	250	250	259	250	251	251	251	252
17 MONTANA POWER CO. REGIONAL	387	385	182	182	182	182	182	182	182	182
18 PACIFICORP	96	121	120	120	196	251	369	411	418	414
19 PORTLAND GENERAL ELECTRIC	1097	932	879	890	889	889	889	889	889	889
20 PUGET SOUND ENERGY	650	611	541	513	412	383	383	382	383	383
21 AVISTA CORP (WWP)	0	-37	163	181	197	200	194	235	244	245
22 TOTAL INVESTOR-OWNED UTILIT	2236	2057	2135	2136	2135	2155	2268	2350	2367	2365
TOTAL OTHER DEDICATED RESOURCES										
23 TOTAL OTHER DEDICATED RES.	2646	2473	2335	2313	2304	2350	2687	2773	2779	2776

