

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	
	Oct-95	Nov-95	Dec-95	Jan-96	Feb-96	Mar-96	Apr-96	May-96	Jun-96	Jul-96	Aug-96	Sep-96	FY 1996 :			
													Annual	Aug-Feb	Mar-Apr	May-Jul

Energy

1 Loss factor Network.....	1.025	1.027	1.029	1.030	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023				
2 Loss factor PSW Intertie...	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038				
3 Loss factor Combined.....	1.064	1.066	1.068	1.069	1.067	1.066	1.065	1.064	1.064	1.063	1.063	1.062				
4 Hours/1000.....	0.744	0.720	0.744	0.744	0.696	0.744	0.720	0.744	0.720	0.744	0.744	0.720	8.784	5.112	1.464	2.208
5 Loss factor DSI	1.027	1.029	1.031	1.031	1.031	1.029	1.028	1.027	1.027	1.026	1.026	1.026				

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18 Capacity

	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	aug	sep
20 Loss factor Network.....	1.032	1.035	1.038	1.038	1.036	1.035	1.033	1.032	1.030	1.028	1.028	1.028
21 Loss factor PSW Intertie...	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039	1.039
22 Loss factor Combined.....	1.072	1.075	1.078	1.078	1.076	1.075	1.073	1.072	1.070	1.068	1.068	1.068

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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

SDC01

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	FY 1998													2-Year	
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Average	Average	
<b>1 LOADS</b>															
<b>2 Exports to PSW (L/R Table A-2)</b>															
3	BPA to Burbank, Power Sale.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
4	BPA to Glendale, Power Sale.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
5	BPA to Pasadena [1], Power Sale.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
6	BPA to Pasadena [2], Pkng/Nrg.....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
7	BPA to SCE [1], Power Sale.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
8	BPA to SCE [2], Env Storage.....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
9	BPA to M-S-R, Power Sale.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
10	BPA to SDG&E, C/E Exch. Pkng/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA to Riverside [2].....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
12	BPA to Palo Alto, Power Sale.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
13	BPA to Imperial Irrigation Pkng/Nrg.....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
14	BPA to PSW, Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Peaking Energy Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BPA NW/SW Int loss.....	8	7	6	6	6	6.5	9	11	10	9	9	8	8	8
<b>17 Exports to Canada (L/R Table A-2)</b>															
18	BPA Can. Ent. to BCHydro.....	0	0	0	0	0	0	50	50	50	50	51	51	25	13
19	<b>Total Exports.....</b>	<b>278.6</b>	<b>247.2</b>	<b>213.8</b>	<b>216.2</b>	<b>203.7</b>	<b>203.8</b>	<b>269.1</b>	<b>371</b>	<b>413.9</b>	<b>386.5</b>	<b>348.4</b>	<b>352.1</b>	<b>292</b>	<b>279</b>
<b>20 Contracts Out (L/R Table A-16)</b>															
21	BPA to EWEB, Base Load (94831).....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42	42
22	BPA to EWEB, Variable (94831).....	15	15	15	15	15	15	15	15	15	15	15	15	15	15
23	BPA to Western Oregon (94697).....	7	9	9	10	10	8	8	7	7	6	6	3	8	8
24	BPA to Lower Valley (94839).....	43	58	73	73	68	58	46	41	39	42	41	40	52	52
25	BPA to WWP, Xchg.....	31	31	28	31	30	31	29	12	12	35	35	35	28	26
26	BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
27	BPA to WWP, Clark (94779).....	100	175	175	175	175	175	100	100	100	100	0	0	115	123
28	BPA to PSP&L, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	BPA to PSP&L, Power Sale.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
30	BPA to PSP&L, Baker Hd Loss.....	0	2	2	2	2	0	0	0	0	0	0	0	1	1
31	BPA to PP&L, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
32	BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
33	BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	BPA to ____, Total WNP3 Settlement.....	0	309	309	309	309	154	154	0	0	0	0	0	129	128
35	Spec sales: BPA to Marketers.....	216	216	216	216	216	216	216	216	216	216	216	216	216	178
36	Spec sales: BPA to IOUs.....	0	0	0	0	0	0	268	268	268	268	0	0	89	80
37	<b>Total.....</b>	<b>746.5</b>	<b>1248</b>	<b>1335</b>	<b>1320</b>	<b>1249</b>	<b>1025</b>	<b>1036</b>	<b>759</b>	<b>775</b>	<b>816</b>	<b>404.5</b>	<b>440</b>	<b>930</b>	<b>893</b>
<b>39 RESOURCES</b>															
<b>40 Imports (L/R Table A-5)</b>															
41	SCE [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	SCE [1] to BPA, Supplemental Nrg.....	0	43	87	87	87	87	43.5	0	0	0	0	0	36	36
43	SCE [1] to BPA, Option Nrg.....	0	0	0	142	285	285	142.5	0	0	0	0	0	71	71
44	SCE [2] to BPA, Env Storage.....	0	15	30	30	30	0	0	0	0	0	0	0	9	9
45	Burbank to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Glendale to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Pasadena [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Pasadena [2] to BPA, Repl/Nrg.....	1	1	1	1	1	0	0	0	0	0	0	1	1	1
49	Pasadena [2] to BPA, Exch/Nrg.....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
50	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	0	3	3
51	Anaheim to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
52	Riverside [1] to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
53	Riverside [2] to BPA, Repl/Nrg.....	0	8	8	8	8	8	4	0	0	0	0	0	4	4
54	Riverside [2] to BPA, Exch/Nrg.....	13	3	3	3	3	3	3.5	0	0	16	16	16	7	6
55	Imperial Irrig. to BPA, Repl/Nrg.....	7	7	7	7	7	0	0	0	0	0	0	7	4	4
56	Imperial Irrig. to BPA, Exch/Nrg.....	15	15	15	15	15	0	0	0	0	0	0	14	7	7
57	Basin Electric to BPA, Purchase.....	96	96	96	96	96	96	54.5	0	0	0	0	0	53	57
58	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	89.5	0	18	34	13	42	94	94
59	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
60	SDG&E to BPA, C/E Exch. Repl/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	21
61	SDG&E to BPA, C/E Exch. Exch/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	10
62	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	PSW to BPA, Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Replacement Nrg Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	M-S-R to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	<b>Total.....</b>	<b>300</b>	<b>413</b>	<b>530</b>	<b>646</b>	<b>745</b>	<b>663</b>	<b>422.5</b>	<b>75</b>	<b>93</b>	<b>125</b>	<b>104</b>	<b>158</b>	<b>356</b>	<b>391</b>
<b>67 Contracts In (L/R Table A-16)</b>															
68	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	29	29	29	29	29
69	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	WWP to BPA, Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	PSP&L to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	27
72	PSP&L to BPA, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	____ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	258	258	0	258	0	0	258	194	191
74	<b>Total.....</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>29</b>	<b>287</b>	<b>29</b>	<b>29</b>	<b>287</b>	<b>223</b>	<b>247</b>
<b>75 Non-Utility Generation</b>															
76	Clearwater Fish Hatchery.....	0	0	0	1	1	1	1	1	1	1	1	1	1	0
77	Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7	4
78	<b>Total.....</b>	<b>6</b>	<b>9</b>	<b>12</b>	<b>13</b>	<b>12</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>8</b>	<b>4</b>

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**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

SDC01

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	FY 1999 Average	3-Year Average	
<b>1 LOADS</b>															
<b>2 Exports to PSW (L/R Table A-2)</b>															
3	BPA to Burbank, Power Sale.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
4	BPA to Glendale, Power Sale.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
5	BPA to Pasadena [1], Power Sale.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
6	BPA to Pasadena [2], Pkng/Nrg.....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
7	BPA to SCE [1], Power Sale.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
8	BPA to SCE [2], Env Storage.....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
9	BPA to M-S-R, Power Sale.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
10	BPA to SDG&E, C/E Exch. Pkng/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA to Riverside [2].....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
12	BPA to Palo Alto, Power Sale.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
13	BPA to Imperial Irrigation Pkng/Nrg.....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
14	BPA to PSW, Generic Exchange.....														
15	Peaking Energy Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BPA NW/SW Int loss.....	8	7	6	7	6	6	6.5	9	11	10	9	9	8	8
<b>17 Exports to Canada (L/R Table A-2)</b>															
18	BPA Can. Ent. to BCHydro.....	51	51	51	51	51	51	309	309	309	309	307	307	180	68
19	<b>Total Exports.....</b>	<b>329.6</b>	<b>298.2</b>	<b>264.8</b>	<b>268.2</b>	<b>254.7</b>	<b>254.8</b>	<b>528.1</b>	<b>630</b>	<b>672.9</b>	<b>645.5</b>	<b>604.4</b>	<b>608.1</b>	<b>447</b>	<b>335</b>
<b>20 Contracts Out (L/R Table A-16)</b>															
21	BPA to EWEB, Base Load (94831).....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42	42
22	BPA to EWEB, Variable (94831).....	15	15	15	15	15	15	15	15	15	15	15	15	15	15
23	BPA to Western Oregon (94697).....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
24	BPA to Lower Valley (94839).....	44	58	74	74	69	59	47	42	40	43	42	41	53	52
25	BPA to WWP, Xchg.....	35	35	31	31	30	31	29	12	12	35	35	34	29	27
26	BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
27	BPA to WWP, Clark (94779).....	0	0	0	0	0	0	0	0	0	0	0	0	0	82
28	BPA to PSP&L, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	BPA to PSP&L, Power Sale.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
30	BPA to PSP&L, Baker Hd Loss.....	0	2	2	2	2	0	0	0	0	0	0	0	1	1
31	BPA to PP&L, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
32	BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
33	BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
34	BPA to ____, Total WNP3 Settlement.....	0	467	467	466	467	233	233	0	0	0	0	0	194	150
35	Spec sales: BPA to Marketers.....	278	278	278	278	278	278	278	278	278	278	278	278	278	211
36	Spec sales: BPA to IOUs.....	7	7	7	7	7	7	295	295	295	7	7	7	103	88
37	<b>Total.....</b>	<b>713.5</b>	<b>1295</b>	<b>1382</b>	<b>1362</b>	<b>1292</b>	<b>991</b>	<b>1097</b>	<b>742</b>	<b>758</b>	<b>800</b>	<b>468.5</b>	<b>506</b>	<b>951</b>	<b>912</b>
38															
<b>39 RESOURCES</b>															
<b>40 Imports (L/R Table A-5)</b>															
41	SCE [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	SCE [1] to BPA, Supplemental Nrg.....	0	45	90	90	90	90	45	0	0	0	0	0	38	36
43	SCE [1] to BPA, Option Nrg.....	0	0	0	142	285	285	142.5	0	0	0	0	0	71	71
44	SCE [2] to BPA, Env Storage.....	0	15	30	30	30	0	0	0	0	0	0	0	9	9
45	Burbank to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Glendale to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Pasadena [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Pasadena [2] to BPA, Repl/Nrg.....	1	1	1	1	1	0	0	0	0	0	0	1	1	1
49	Pasadena [2] to BPA, Exch/Nrg.....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
50	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	0	3	3
51	Anaheim to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
52	Riverside [1] to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
53	Riverside [2] to BPA, Repl/Nrg.....	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
54	Riverside [2] to BPA, Exch/Nrg.....	16	4	4	4	4	4	4	0	0	16	16	16	7	7
55	Imperial Irrig. to BPA, Repl/Nrg.....	7	7	7	7	7	0	0	0	0	0	0	7	4	4
56	Imperial Irrig. to BPA, Exch/Nrg.....	14	15	15	15	15	0	0	0	0	0	0	14	7	7
57	Basin Electric to BPA, Purchase.....	0	0	96	96	96	96	73.5	0	0	0	0	0	38	50
58	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
59	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
60	SDG&E to BPA, C/E Exch. Repl/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	14
61	SDG&E to BPA, C/E Exch. Exch/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	7
62	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	PSW to BPA, Generic Exchange.....														
64	Replacement Nrg Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	M-S-R to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	<b>Total.....</b>	<b>206</b>	<b>321</b>	<b>535</b>	<b>651</b>	<b>750</b>	<b>668</b>	<b>444.5</b>	<b>75</b>	<b>93</b>	<b>125</b>	<b>104</b>	<b>158</b>	<b>344</b>	<b>375</b>
<b>67 Contracts In (L/R Table A-16)</b>															
68	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	29	29	29	29	29
69	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	WWP to BPA, Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	PSP&L to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	18
72	PSP&L to BPA, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	____ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	257	258	0	258	0	0	258	193	192
74	<b>Total.....</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>286</b>	<b>287</b>	<b>29</b>	<b>287</b>	<b>29</b>	<b>29</b>	<b>287</b>	<b>222</b>	<b>239</b>
<b>75 Non-Utility Generation</b>															
76	Clearwater Fish Hatchery.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
77	Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7	5
78	<b>Total.....</b>	<b>7</b>	<b>10</b>	<b>13</b>	<b>13</b>	<b>12</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>8</b>	<b>5</b>

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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

SDC01

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000 Average	4-Year Average	
<b>1 LOADS</b>															
<b>2 Exports to PSW (L/R Table A-2)</b>															
3	BPA to Burbank, Power Sale.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
4	BPA to Glendale, Power Sale.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
5	BPA to Pasadena [1], Power Sale.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
6	BPA to Pasadena [2], Pkng/Nrg.....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
7	BPA to SCE [1], Power Sale.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
8	BPA to SCE [2], Env Storage.....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
9	BPA to M-S-R, Power Sale.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
10	BPA to SDG&E, C/E Exch. Pkng/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA to Riverside [2].....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
12	BPA to Palo Alto, Power Sale.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
13	BPA to Imperial Irrigation Pkng/Nrg.....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
14	BPA to PSW, Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Peaking Energy Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BPA NW/SW Int loss.....	8	7	6	6	6	6	6.5	9	11	10	9	9	8	8
<b>17 Exports to Canada (L/R Table A-2)</b>															
18	BPA Can. Ent. to BCHydro.....	307	307	307	307	307	307	307	307	307	299	299	306	128	128
19	<b>Total Exports.....</b>	<b>585.6</b>	<b>554.2</b>	<b>520.8</b>	<b>523.2</b>	<b>510.7</b>	<b>510.8</b>	<b>526.1</b>	<b>628</b>	<b>670.9</b>	<b>643.5</b>	<b>596.4</b>	<b>600.1</b>	<b>573</b>	<b>394</b>
<b>20 Contracts Out (L/R Table A-16)</b>															
21	BPA to EWEB, Base Load (94831).....	31.5	77	98	105	84	56	35	0	0	0	0	0	41	42
22	BPA to EWEB, Variable (94831).....	15	15	15	15	15	15	15	15	15	0	0	0	13	14
23	BPA to Western Oregon (94697).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
24	BPA to Lower Valley (94839).....	44	59	75	74	69	60	48	42	40	44	42	42	53	52
25	BPA to WWP, Xchg.....	35	34	31	31	30	31	29	12	12	0	0	0	20	26
26	BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
27	BPA to WWP, Clark (94779).....	0	0	0	0	0	0	0	0	0	0	0	0	0	61
28	BPA to PSP&L, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	BPA to PSP&L, Power Sale.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
30	BPA to PSP&L, Baker Hd Loss.....	0	2	2	2	2	2	0	0	0	0	0	0	1	1
31	BPA to PP&L, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
32	BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
33	BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
34	BPA to ____, Total WNP3 Settlement.....	0	467	467	466	467	233	233	0	0	0	0	0	194	161
35	Spec sales: BPA to Marketers.....	332	332	332	332	332	332	332	332	332	332	332	332	332	241
36	Spec sales: BPA to IOUs.....	15	15	15	15	15	15	327	327	327	327	15	15	119	95
37	<b>Total.....</b>	<b>775.5</b>	<b>1357</b>	<b>1445</b>	<b>1424</b>	<b>1354</b>	<b>1054</b>	<b>1184</b>	<b>828</b>	<b>844</b>	<b>852</b>	<b>477</b>	<b>506</b>	<b>1008</b>	<b>936</b>
38															
<b>39 RESOURCES</b>															
<b>40 Imports (L/R Table A-5)</b>															
41	SCE [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	SCE [1] to BPA, Supplemental Nrg.....	0	46	93	93	93	93	46.5	0	0	0	0	0	39	37
43	SCE [1] to BPA, Option Nrg.....	0	0	0	142	285	285	142.5	0	0	0	0	0	71	71
44	SCE [2] to BPA, Env Storage.....	0	15	30	30	30	0	0	0	0	0	0	0	9	9
45	Burbank to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Glendale to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Pasadena [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Pasadena [2] to BPA, Repl/Nrg.....	1	1	1	1	1	0	0	0	0	0	0	1	1	1
49	Pasadena [2] to BPA, Exch/Nrg.....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
50	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	0	3	3
51	Anaheim to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
52	Riverside [1] to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
53	Riverside [2] to BPA, Repl/Nrg.....	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
54	Riverside [2] to BPA, Exch/Nrg.....	16	4	4	4	4	4	4	0	0	16	16	16	7	7
55	Imperial Irrig. to BPA, Repl/Nrg.....	7	7	7	7	7	0	0	0	0	0	0	7	4	4
56	Imperial Irrig. to BPA, Exch/Nrg.....	14	15	15	15	15	0	0	0	0	0	0	14	7	7
57	Basin Electric to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	38
58	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
59	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
60	SDG&E to BPA, C/E Exch. Repl/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	11
61	SDG&E to BPA, C/E Exch. Exch/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
62	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	PSW to BPA, Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Replacement Nrg Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	M-S-R to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	<b>Total.....</b>	<b>206</b>	<b>322</b>	<b>442</b>	<b>558</b>	<b>657</b>	<b>575</b>	<b>372.5</b>	<b>75</b>	<b>93</b>	<b>125</b>	<b>104</b>	<b>158</b>	<b>307</b>	<b>358</b>
<b>67 Contracts In (L/R Table A-16)</b>															
68	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	29	29	29	29	29
69	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	WWP to BPA, Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	PSP&L to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	13
72	PSP&L to BPA, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
73	____ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	256	258	0	258	0	0	258	193	192
74	<b>Total.....</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>285</b>	<b>287</b>	<b>29</b>	<b>287</b>	<b>29</b>	<b>29</b>	<b>287</b>	<b>222</b>	<b>235</b>
<b>75 Non-Utility Generation</b>															
76	Clearwater Fish Hatchery.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
77	Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7	5
78	<b>Total.....</b>	<b>7</b>	<b>10</b>	<b>13</b>	<b>13</b>	<b>12</b>	<b>9</b>	<b>8</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>8</b>	<b>6</b>

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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

SDC01

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	FY 2001 Average	5-Year Average	
<b>1 LOADS</b>															
<b>2 Exports to PSW (L/R Table A-2)</b>															
3	BPA to Burbank, Power Sale.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
4	BPA to Glendale, Power Sale.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
5	BPA to Pasadena [1], Power Sale.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
6	BPA to Pasadena [2], Pkng/Nrg.....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
7	BPA to SCE [1], Power Sale.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
8	BPA to SCE [2], Env Storage.....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
9	BPA to M-S-R, Power Sale.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
10	BPA to SDG&E, C/E Exch. Pkng/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA to Riverside [2].....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
12	BPA to Palo Alto, Power Sale.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
13	BPA to Imperial Irrigation Pkng/Nrg.....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
14	BPA to PSW, Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	Peaking Energy Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	BPA NW/SW Int loss.....	8	7	6	6	6	6.5	9	11	10	9	9	8	8	8
17	<b>Exports to Canada (L/R Table A-2)</b>														
18	BPA Can. Ent. to BCHydro.....	299	299	299	299	299	299	299	299	299	297	297	299	162	
19	<b>Total Exports.....</b>	<b>577.6</b>	<b>546.2</b>	<b>512.8</b>	<b>515.2</b>	<b>502.7</b>	<b>502.8</b>	<b>518.1</b>	<b>620</b>	<b>662.9</b>	<b>635.5</b>	<b>594.4</b>	<b>598.1</b>	<b>566</b>	<b>429</b>
20	<b>Contracts Out (L/R Table A-16)</b>														
21	BPA to EWEB, Base Load (94831).....	0	0	0	0	0	0	0	0	0	0	0	0	0	33
22	BPA to EWEB, Variable (94831).....	0	0	0	0	0	0	0	0	0	0	0	0	0	12
23	BPA to Western Oregon (94697).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
24	BPA to Lower Valley (94839).....	45	59	75	75	70	60	48	43	41	44	43	42	54	53
25	BPA to WWP, Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	20
26	BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
27	BPA to WWP, Clark (94779).....	0	0	0	0	0	0	0	0	0	0	0	0	0	49
28	BPA to PSP&L, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	BPA to PSP&L, Power Sale.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
30	BPA to PSP&L, Baker Hd Loss.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
31	BPA to PP&L, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
32	BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
33	BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	2
34	BPA to ____, Total WNP3 Settlement.....	0	467	467	466	467	233	233	0	0	0	0	0	194	168
35	Spec sales: BPA to Marketers.....	395	395	395	395	395	395	395	395	395	332	332	332	379	269
36	Spec sales: BPA to IOUs.....	29	29	29	29	29	29	383	383	383	383	29	29	147	106
37	<b>Total.....</b>	<b>.772</b>	<b>1306</b>	<b>1376</b>	<b>1349</b>	<b>1301</b>	<b>1029</b>	<b>1224</b>	<b>921</b>	<b>937</b>	<b>893</b>	<b>492</b>	<b>520</b>	<b>1010</b>	<b>951</b>
38															
39	<b>RESOURCES</b>														
40	<b>Imports (L/R Table A-5)</b>														
41	SCE [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	SCE [1] to BPA, Supplemental Nrg.....	0	48	96	96	96	96	48	0	0	0	0	0	40	37
43	SCE [1] to BPA, Option Nrg.....	0	0	0	142	285	285	142.5	0	0	0	0	0	71	71
44	SCE [2] to BPA, Env Storage.....	0	15	30	31	30	0	0	0	0	0	0	0	9	9
45	Burbank to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	Glendale to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
47	Pasadena [1] to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	Pasadena [2] to BPA, Repl/Nrg.....	1	1	1	1	1	0	0	0	0	0	0	1	1	1
49	Pasadena [2] to BPA, Exch/Nrg.....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
50	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	0	3	3
51	Anaheim to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
52	Riverside [1] to BPA, Energy Exch.....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
53	Riverside [2] to BPA, Repl/Nrg.....	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
54	Riverside [2] to BPA, Exch/Nrg.....	16	4	4	4	4	4	4	0	0	16	16	16	7	7
55	Imperial Irrig. to BPA, Repl/Nrg.....	7	7	7	7	7	0	0	0	0	0	0	7	4	4
56	Imperial Irrig. to BPA, Exch/Nrg.....	14	15	15	15	15	0	0	0	0	0	0	14	7	7
57	Basin Electric to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	30
58	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
59	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
60	SDG&E to BPA, C/E Exch. Repl/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	9
61	SDG&E to BPA, C/E Exch. Exch/Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
62	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	PSW to BPA, Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
64	Replacement Nrg Deferred Return.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65	M-S-R to BPA, Cap/Nrg Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
66	<b>Total.....</b>	<b>.206</b>	<b>324</b>	<b>445</b>	<b>562</b>	<b>660</b>	<b>578</b>	<b>374</b>	<b>75</b>	<b>93</b>	<b>125</b>	<b>104</b>	<b>158</b>	<b>309</b>	<b>348</b>
67	<b>Contracts In (L/R Table A-16)</b>														
68	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	0	0	0	22	28
69	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
70	WWP to BPA, Xchg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
71	PSP&L to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	11
72	PSP&L to BPA, Seas Pwr Xchg.....	0	0	0	0	0	0	0	0	0	0	150	150	25	5
73	____ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	257	258	0	258	0	0	258	193	192
74	<b>Total.....</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>287</b>	<b>286</b>	<b>287</b>	<b>29</b>	<b>287</b>	<b>0</b>	<b>150</b>	<b>408</b>	<b>240</b>	<b>236</b>
75	<b>Non-Utility Generation</b>														
76	Clearwater Fish Hatchery.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
77	Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7	6
78	<b>Total.....</b>	<b>7.4</b>	<b>10.4</b>	<b>12.5</b>	<b>13</b>	<b>12</b>	<b>9.2</b>	<b>7.6</b>	<b>6.2</b>	<b>5.6</b>	<b>4.7</b>	<b>4.8</b>	<b>5.3</b>	<b>8</b>	<b>7</b>



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**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	FY 1997 Average	
<b>1 LOADS.....</b>														
2 Federal Agencies.....	139	148	164	158	159	151	139	134	133	142	144	137	146	
3 Federal + Gen Public Losses.....	166	197	221	212	193	165	152	139	135	137	136	140	166	
4 USBR.....	42	2	2	2	2	4	50	117	151	168	161	108	67	
5 DSI Aluminum Firm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
6 DSI Non-Aluminum Firm.....	39	39	39	39	39	39	39	39	39	39	39	39	39	
7 DSI Firm Losses.....	1	1	1	1	1	1	1	1	1	1	1	1	1	
8 Sm & Non Gen Pub Purch, PF.....	1,830	2,099	2,253	2,367	2,243	2,039	1,973	1,935	1,985	2,079	2,056	1,895	2063	
9 Sm & Non Gen Pub Purch, Partnership.....	7.2	7.2	7.2	0	0	0	0	0	0	0	0	0	2	
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 Sm & Non Gen Pub Purch, Total.....	1,837	2,106	2,260	2,367	2,243	2,039	1,973	1,935	1,985	2,079	2,056	1,895	2065	
12 Firm System Load.....	2,224	2,493	2,687	2,779	2,637	2,399	2,354	2,365	2,444	2,566	2,537	2,320	2484	
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	278.6	247.2	213.8	216.2	203.7	203.8	219.1	317	358.9	336.5	297.4	301.1	266	
15 Contracts Out (SDC01).....	673.5	1173	1264	1255	1183	958	911	636	650	688	423.5	463	857	
16 CSPE to West Group Util., IOU.....	127	127	127	127	127	127	123	123	123	123	123	123	125	
17 CSPE to West Group Util., Gen.....	105	105	105	105	105	105	102	102	102	102	102	102	104	
18 CSPE to West Group Util., Non. Gen.....	22	22	22	22	22	22	21	21	21	21	21	21	22	
19 CSPE to West Group Util., Total.....	254	254	254	254	254	254	246	246	246	246	246	246	250	
20 Gen Public Agen Purch, PF.....	750	867	1,006	1,037	947	861	816	709	606	613	525	521	771	
21 Gen Public Agen Purch, Conserv. Trans.....	5	6	10	8	7	7	5	4	5	3	5	4	6	
22 Gen Public Agen Purch, Total.....	755	873	1,016	1,045	954	868	821	713	611	616	530	525	777	
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
25 Firm Loads.....	4,185	5,041	5,434	5,549	5,232	4,683	4,550	4,277	4,310	4,452	4,033	3,855	4633	
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
30 Total Loads.....	4,185	5,041	5,434	5,549	5,232	4,683	4,550	4,277	4,310	4,452	4,033	3,855	4633	
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	6,034	6,436	6,253	6,060	6,740	6,472	9,202	9,210	7,744	6,201	5,173	5,160	6724	
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	405	387	406.5	346	335	
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
37 Sur. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
38 Can. Ent. Non-Fed(CSPE).....	54	54	54	54	54	54	52	52	52	52	52	52	53	
39 Can. Ent. Non-Fed(Cnda).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	
41 Total Hydro.....	6,403	6,765	6,635	6,292	7,132	6,767	9,501	9,607	8,175	6,614	5,605	5,532	7086	
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
46 Imports (SDC01).....	450	562	677	793	892	660	424.5	75	93	122	101	252	425	
47 Contracts In (SDC01).....	360	382	339	368	397	416	337	29	280	29	29	287	271	
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	983	983	983	983	983	983	491.5	0	491	1,010	1,010	1,010	826	
50 Non-Utility Generation (SDC01).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
51 Total Resources.....	8,196	8,692	8,634	8,436	9,404	8,826	10,754	9,711	9,039	7,775	6,745	7,081	8608	
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
55 DSI Reserves.....														#DIV/0!
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
57 Net Resources.....	8,196	8,692	8,634	8,436	9,404	8,826	10,754	9,711	9,039	7,775	6,745	7,081	8608	
58 Firm Surplus/Deficit.....	4,011	3,652	3,200	2,888	4,172	4,144	6,203	5,434	4,729	3,323	2,712	3,226	3974	
59 Total Surplus/Deficit.....	4,011	3,652	3,200	2,888	4,172	4,144	6,203	5,434	4,729	3,323	2,712	3,226	3974	

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**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	FY 1998 Average	2-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	140.	149	165	159	160	152	140	135	133	143	145	137	147	146
3 Federal + Gen Public Losses.....	170	199	224	216	196	167	154	140	136	139	138	142	168	167
4 USBR.....	42	2	2	2	2	4	50	117	151	168	161	109	68	67
5 DSI Aluminum Firm.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
6 DSI Non-Aluminum Firm.....	39	39	39	39	39	39	39	39	39	39	39	39	39	39
7 DSI Firm Losses.....	1.	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Sm & Non Gen Pub Purch, PF.....	1,885	2,152	2,302	2,412	2,279	2,076	2,009	1,969	2,017	1,946	1,916	1,774	2061	2062
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	1,885	2,152	2,302	2,412	2,279	2,076	2,009	1,969	2,017	1,946	1,916	1,774	2061	2063
12 Firm System Load.....	2,277	2,542	2,733	2,829	2,677	2,439	2,393	2,401	2,477	2,436	2,400	2,202	2484	2484
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	278.6	247.2	213.8	216.2	203.7	203.8	269.1	371	413.9	386.5	348.4	352.1	292	279
15 Contracts Out (SDC01).....	746.5	1248	1335	1320	1249	1025	1036	759	775	816	404.5	440	930	893
16 CSPE to West Group Util., IOU.....	123	123	123	123	123	123	108	108	108	108	108	108	116	120
17 CSPE to West Group Util., Gen.....	102	102	102	102	102	102	89	89	89	89	89	89	96	100
18 CSPE to West Group Util., Non. Gen.....	21	21	21	21	21	21	19	19	19	19	19	19	20	21
19 CSPE to West Group Util., Total.....	246	246	246	246	246	246	216	216	216	216	216	216	231	241
20 Gen Public Agen Purch, PF.....	604	726	768	792	731	659	607	547	484	495	559	551	627	699
21 Gen Public Agen Purch, Conserv. Trans.....	5	7	10	8	8	7	5	4	4	3	5	4	6	6
22 Gen Public Agen Purch, Total.....	609	733	778	800	739	666	612	551	488	498	564	555	633	705
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	4,157	5,016	5,306	5,411	5,115	4,581	4,526	4,299	4,369	4,352	3,933	3,765	4569	4601
26														
27 DSI Aluminum Nonfirm.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	4,157	5,016	5,306	5,411	5,115	4,581	4,526	4,299	4,369	4,352	3,933	3,765	4569	4601
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,873.	6,363	6,437	4,826	7,137	6,237	9,189	9,688	8,468	5,529	4,240	5,233	6602	6663
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	52	52	52	52	52	52	45	45	45	45	45	45	49	51
39 Can. Ent. Non-Fed(Cnda).....	0	0	0	0	0	0	15	15	15	15	15	15	8	4
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,240	6,690	6,817	5,056	7,527	6,530	9,495	10,093	8,908	5,950	4,680	5,613	6967	7026
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	300.	413	530	646	745	663	422.5	75	93	125	104	158	356	391
47 Contracts In (SDC01).....	287	287	287	287	287	287	287	29	287	29	29	287	223	247
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	1010	1010	1010	1010	1010	1010	505	0	505	1,010	1,010	1,010	842	834
50 Non-Utility Generation (SDC01).....	6.4	9.4	11.5	13	12	9.2	7.6	6.2	5.6	4.7	4.8	5.3	8	4
51 Total Resources.....	7,844.	8,410	8,656	7,012	9,581	8,499	10,717	10,203	9,799	7,119	5,828	7,074	8395	8502
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
55 DSI Reserves.....													#DIV/0!	#DIV/0!
56 Federal Hydro Maint.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,844.	8,410	8,656	7,012	9,581	8,499	10,717	10,203	9,799	7,119	5,828	7,074	8395	8502
58 Firm Surplus/Deficit.....	3,686	3,394	3,350	1,601	4,466	3,919	6,192	5,905	5,430	2,767	1,895	3,308	3826	3900
59 Total Surplus/Deficit.....	3,686	3,394	3,350	1,601	4,466	3,919	6,192	5,905	5,430	2,767	1,895	3,308	3826	3900

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 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	FY 1999 Average	3-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	141	149	166	160	161	153	141	136	134	144	146	138	147	147
3 Federal + Gen Public Losses.....	171	202	227	219	198	167	153	139	135	138	137	141	169	168
4 USBR.....	42	3	2	2	2	4	50	117	151	168	161	109	68	68
5 DSI Aluminum Firm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 DSI Non-Aluminum Firm.....	39	39	39	39	39	39	39	39	39	39	39	39	39	39
7 DSI Firm Losses.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Sm & Non Gen Pub Purch, PF.....	1,769	2,015	2,142	2,250	2,135	1,948	1,892	1,861	1,914	1,995	1,966	1,819	1976	2033
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	1,769	2,015	2,142	2,250	2,135	1,948	1,892	1,861	1,914	1,995	1,966	1,819	1976	2034
12 Firm System Load.....	2,163	2,409	2,577	2,671	2,536	2,312	2,276	2,293	2,374	2,485	2,450	2,247	2399	2456
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	329.6	298.2	264.8	268.2	254.7	254.8	528.1	630	672.9	645.5	604.4	608.1	447	335
15 Contracts Out (SDC01).....	713.5	1295	1382	1362	1292	991	1097	742	758	800	468.5	506	951	912
16 CSPE to West Group Util., IOU.....	108	108	108	108	108	108	51	51	51	51	51	51	80	107
17 CSPE to West Group Util., Gen.....	89	89	89	89	89	89	43	43	43	43	43	43	66	88
18 CSPE to West Group Util., Non. Gen.....	19	19	19	19	19	19	9	9	9	9	9	9	14	19
19 CSPE to West Group Util., Total.....	216	216	216	216	216	216	103	103	103	103	103	103	160	214
20 Gen Public Agen Purch, PF.....	637	760	801	821	764	690	636	576	513	524	621	609	663	687
21 Gen Public Agen Purch, Conserv. Trans.....	5	7	10	8	7	7	5	4	4	3	4	4	6	6
22 Gen Public Agen Purch, Total.....	642	767	811	829	771	697	641	580	517	527	625	613	668	693
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	4,064	4,985	5,251	5,347	5,070	4,471	4,645	4,348	4,425	4,561	4,250	4,077	4624	4609
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	4,064	4,985	5,251	5,347	5,070	4,471	4,645	4,348	4,425	4,561	4,250	4,077	4624	4609
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,867	6,256	6,943	4,539	6,077	5,739	10,357	11,398	8,556	5,182	4,041	5,334	6691	6672
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	45	45	45	45	45	45	23	23	23	23	23	23	34	45
39 Can. Ent. Non-Fed(Cnda).....	15	15	15	15	15	15	93	93	93	93	92	92	54	20
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,242	6,591	7,331	4,777	6,475	6,040	10,720	11,859	9,052	5,659	4,537	5,769	7088	7047
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	206	321	535	651	750	668	444.5	75	93	125	104	158	344	375
47 Contracts In (SDC01).....	287	287	287	287	287	286	287	29	287	29	29	287	222	239
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	1010	1010	1010	1010	1010	1010	505	0	505	1,010	1,010	1,010	842	836
50 Non-Utility Generation (SDC01).....	7.4	10.4	12.5	13	12	9.2	7.6	6.2	5.6	4.7	4.8	5.3	8	5
51 Total Resources.....	7,753	8,220	9,176	6,738	8,534	8,013	11,964	11,969	9,943	6,828	5,685	7,230	8504	8502
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 DSI Reserves.....													#DIV/0!	#DIV/0!
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,753	8,220	9,176	6,738	8,534	8,013	11,964	11,969	9,943	6,828	5,685	7,230	8504	8502
58 Firm Surplus/Deficit.....	3,689	3,234	3,925	1,392	3,464	3,542	7,319	7,622	5,518	2,267	1,434	3,152	3880	3893
59 Total Surplus/Deficit.....	3,689	3,234	3,925	1,392	3,464	3,542	7,319	7,622	5,518	2,267	1,434	3,152	3880	3893

Routing: MPPD  
 Date: April 13, 1999  
 Time: 10:15:21 AM

**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000 Average	4-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	142	150	167	161	162	154	142	136	135	144	147	139	148	147
3 Federal + Gen Public Losses.....	171	202	228	218	198	168	155	141	137	139	138	143	170	168
4 USBR.....	42	2	2	2	2	4	50	117	151	169	161	108	68	68
5 DSI Aluminum Firm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6 DSI Non-Aluminum Firm.....	39	39	39	39	39	39	39	39	39	39	39	39	39	39
7 DSI Firm Losses.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Sm & Non Gen Pub Purch, PF.....	1,800	2,045	2,166	2,269	2,159	1,979	1,919	1,887	1,935	2,017	1,978	1,833	1999	2025
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	1,800	2,045	2,166	2,269	2,159	1,979	1,919	1,887	1,935	2,017	1,978	1,833	1999	2025
12 Firm System Load.....	2,195	2,439	2,603	2,690	2,561	2,345	2,306	2,321	2,398	2,509	2,464	2,263	2425	2448
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	585.6	554.2	520.8	523.2	510.7	510.8	526.1	628	670.9	643.5	596.4	600.1	573	394
15 Contracts Out (SDC01).....	775.5	1357	1445	1424	1354	1054	1184	828	844	852	477	506	1008	936
16 CSPE to West Group Util., IOU.....	51	51	51	51	51	51	49	49	49	49	49	49	50	93
17 CSPE to West Group Util., Gen.....	43	43	43	43	43	43	41	41	41	41	41	41	42	77
18 CSPE to West Group Util., Non. Gen.....	9	9	9	9	9	9	9	9	9	9	9	9	9	16
19 CSPE to West Group Util., Total.....	103	103	103	103	103	103	99	99	99	99	99	99	101	185
20 Gen Public Agen Purch, PF.....	702	824	873	890	834	759	697	631	565	580	669	740	730	698
21 Gen Public Agen Purch, Conserv. Trans.....	5	6	9	8	7	7	5	4	4	3	5	4	6	6
22 Gen Public Agen Purch, Total.....	707	830	882	898	841	766	702	635	569	583	674	744	736	704
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	4,366	5,283	5,554	5,639	5,369	4,779	4,817	4,511	4,581	4,687	4,311	4,212	4842	4667
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	4,366	5,283	5,554	5,639	5,369	4,779	4,817	4,511	4,581	4,687	4,311	4,212	4842	4667
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,899	6,821	6,695	5,360	5,937	5,424	8,759	12,102	8,988	4,956	4,691	5,665	6775	6698
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	23	23	23	23	23	23	22	22	22	22	22	22	23	40
39 Can. Ent. Non-Fed(Cnda).....	92	92	92	92	92	92	92	92	92	92	90	90	92	38
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,329	7,211	7,138	5,653	6,390	5,780	9,120	12,561	9,482	5,431	5,184	6,097	7198	7085
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	206	322	442	558	657	575	372.5	75	93	125	104	158	307	358
47 Contracts In (SDC01).....	287	287	287	287	287	285	287	29	287	29	29	287	222	235
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	1010	1010	1010	1010	1010	1010	505	0	505	1,054	1,054	1,054	853	840
50 Non-Utility Generation (SDC01).....	7.4	10.4	12.5	13	12	9.2	7.6	6.2	5.6	4.7	4.8	5.3	8	6
51 Total Resources.....	7,840	8,841	8,890	7,521	8,356	7,659	10,292	12,671	10,373	6,644	6,376	7,602	8589	8524
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 DSI Reserves.....													#DIV/0!	#DIV/0!
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,840	8,841	8,890	7,521	8,356	7,659	10,292	12,671	10,373	6,644	6,376	7,602	8589	8524
58 Firm Surplus/Deficit.....	3,474	3,558	3,336	1,882	2,987	2,880	5,475	8,161	5,791	1,957	2,065	3,390	3746	3857
59 Total Surplus/Deficit.....	3,474	3,558	3,336	1,882	2,987	2,880	5,475	8,161	5,791	1,957	2,065	3,390	3746	3857

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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	FY 2001 Average	5-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	143.	151	168	162	163	155	143	137	136	145	148	140	149	147
3 Federal + Gen Public Losses.....	173	205	229	220	199	170	157	143	138	140	139	141	171	169
4 USBR.....	42	2	2	2	2	4	49	117	151	169	162	109	68	68
5 DSI Aluminum Firm.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
6 DSI Non-Aluminum Firm.....	39	39	39	39	39	39	39	39	39	39	39	39	39	39
7 DSI Firm Losses.....	1.	1	1	1	1	1	1	1	1	1	1	1	1	1
8 Sm & Non Gen Pub Purch, PF.....	1,813	2,054	2,170	2,275	2,168	1,990	1,933	1,901	1,958	2,032	1,995	1,859	2012	2022
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	1,813	2,054	2,170	2,275	2,168	1,990	1,933	1,901	1,958	2,032	1,995	1,859	2012	2023
12 Firm System Load.....	2,211	2,452	2,609	2,699	2,572	2,359	2,322	2,338	2,423	2,526	2,484	2,289	2440	2446
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	577.6	546.2	512.8	515.2	502.7	502.8	518.1	620	662.9	635.5	594.4	598.1	566	429
15 Contracts Out (SDC01).....	772	1306	1376	1349	1301	1029	1224	921	937	893	492	520	1010	951
16 CSPE to West Group Util., IOU.....	49	49	49	49	49	49	48	48	48	48	48	48	49	84
17 CSPE to West Group Util., Gen.....	41	41	41	41	41	41	39	39	39	39	39	39	40	69
18 CSPE to West Group Util., Non. Gen.....	9	9	9	9	9	9	8	8	8	8	8	8	9	15
19 CSPE to West Group Util., Total.....	99	99	99	99	99	99	95	95	95	95	95	95	97	168
20 Gen Public Agen Purch, PF.....	869	1,002	1,049	1,062	978	928	873	780	723	690	736	772	872	733
21 Gen Public Agen Purch, Conserv. Trans.....	5	6	10	8	7	7	6	5	4	0	0	0	5	6
22 Gen Public Agen Purch, Total.....	874	1,008	1,059	1,070	985	935	879	785	727	690	736	772	877	738
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	4,534	5,412	5,655	5,732	5,459	4,925	5,038	4,759	4,846	4,840	4,401	4,274	4990	4732
26														
27 DSI Aluminum Nonfirm.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	4,534	5,412	5,655	5,732	5,459	4,925	5,038	4,759	4,846	4,840	4,401	4,274	4990	4732
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,741.	6,708	7,111	5,447	5,938	5,418	8,838	11,205	7,421	5,951	4,691	5,665	6678	6694
34 Independent Hydro.....	341.	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	22	22	22	22	22	22	21	21	21	21	21	21	22	36
39 Can. Ent. Non-Fed(Cnda).....	90	90	90	90	90	90	90	90	90	90	89	89	90	49
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,168	7,095	7,551	5,737	6,388	5,771	9,195	11,661	7,912	6,423	5,182	6,095	7098	7087
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	206.	324	445	562	660	578	374	75	93	125	104	158	309	348
47 Contracts In (SDC01).....	287.	287	287	287	287	286	287	29	287	0	150	408	240	236
48 Large Thermal (L/R Table A-10).....														0
49 WNP-2.....	1054	1054	1054	1054	1054	1054	527	0	527	1,054	1,054	1,054	878	848
50 Non-Utility Generation (SDC01).....	7.4	10.4	12.5	13	12	9.2	7.6	6.2	5.6	4.7	4.8	5.3	8	7
51 Total Resources.....	7,723.	8,771	9,350	7,653	8,401	7,698	10,391	11,771	8,825	7,607	6,495	7,721	8534	8526
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
55 DSI Reserves.....													#DIV/0!	#DIV/0!
56 Federal Hydro Maint.....	0.	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,723.	8,771	9,350	7,653	8,401	7,698	10,391	11,771	8,825	7,607	6,495	7,721	8534	8526
58 Firm Surplus/Deficit.....	3,189.	3,359	3,694	1,921	2,942	2,773	5,353	7,012	3,979	2,767	2,093	3,446	3544	3794
59 Total Surplus/Deficit.....	3,189	3,359	3,694	1,921	2,942	2,773	5,353	7,012	3,979	2,767	2,093	3,446	3544	3794

Routing: MPPD  
 Date: April 13, 1999  
 Time: 10:17:54 AM

SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC0\_2A

	1997 Total	1998 Total	1999 Total	2000 Total	2001 Total	5-year Total
<b>1 LOADS.....</b>						
2 Federal Agencies.....	1748	1758	1769	1779	1791	8845
3 Federal + Gen Public Losses.....	1993	2021	2027	2038	2054	10133
4 USBR.....	809	810	811	810	811	4051
5 DSI Aluminum Firm.....	0	0	0	0	0	0
6 DSI Non-Aluminum Firm.....	468	468	468	468	468	2340
7 DSI Firm Losses.....	12	12	12	12	12	60
8 Sm & Non Gen Pub Purch, PF.....	24753	24737	23706	23987	24148	121332
9 #####	22	0	0	0	0	22
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	24775	24737	23706	23987	24148	121353
12 Firm System Load.....	29805	29806	28793	29094	29284	146782
<b>13 TRANSFERS OUT.....</b>						
14 Exports (SDC01).....	3193	3504	5359	6870	6786	25714
15 Contracts Out (SDC01).....	10278	11154	11407	12101	12120	57060
16 CSPE to West Group Util., IOU.....	1500	1386	954	600	582	5022
17 CSPE to West Group Util., Gen.....	1242	1146	792	504	480	4164
18 CSPE to West Group Util., Non. Gen.	258	240	168	108	102	876
19 CSPE to West Group Util., Total.....	3000	2772	1914	1212	1164	10062
20 Gen Public Agen Purch, PF.....	9256	7524	7952	8764	10464	43960
21 #####	69	70	68	67	58	332
22 Gen Public Agen Purch, Total.....	9325	7594	8020	8831	10522	44292
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0
25 Firm Loads.....	55601	54830	55494	58108	59876	283910
26						
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0
30 Total Loads.....	55601	54830	55494	58108	59876	283910







Routing: MPPD	RATE DESIGN STUDY						
Date: Apr 13, 1999	Surplus Firm Power Contract Rates						
Time: 10:20	\$/kW and mills/kWh						
	Test Period October 1996 - September 2001						
			A	B	C	D	E
	FY 1995	FY1996	FY 1997	FY1998	FY1999	FY2000	FY2001
<b>WWP CAPACITY SALE (92871)</b>							
Rx = \$4.17 * PFx / 26.7 * (1.0175) * n							
PF load factor: 50%							
PFx (weighted average, round tenth mill)	31.1	32.3	32.3	32.3	32.3	32.3	32.3
Rx (SP) @ Proposed Rates	5.21	5.50	5.60	5.70	5.80	5.90	6.00
Rx (SP) @ Current Rates	5.21	5.50	5.60	5.70	5.80	5.90	6.00
	4	5	6	7	8	9	10
<b>PGE CAPACITY SALE (94626)</b>							
CAPnew = CAPinit*(NR new/NR init)							
CAP init	5.15						
NR init	5.15						
NR new	5.15	5.36	5.36	5.36	5.36	5.36	5.36
SPnew @ Proposed Rates*	5.15	5.36	5.36	5.36	5.36	5.36	5.36
SPnew @ Current Rates	5.15	5.36	5.36	5.36	5.36	5.36	5.36
*round nearest cent							
<b>PACIFIC POWER &amp; LIGHT (PPL-90)</b>							
PPL-90n = PPL-90init * BASCn / BASCinit							
BASCn (round nearest mill)	28.3	29.4	29.4	29.4	29.4	29.4	29.4
PPL-90init	4.92						
BASCinit	23.8						
PPL-90n @ Proposed Rates	5.85	6.08	6.08	6.08	6.08	6.08	6.08
PPL-90 @ Current Rates	5.85	6.08	6.08	6.08	6.08	6.08	6.08
<b>PUGET SOUND POWER &amp; LIGHT (92527)</b>							
RATEnew = RATEbase * PFnew / PFbase							
RATEbase = (28.5 * PF92 / 21.9) + 1.63							
PF load factor: 100%							
PF base = PF June 30, 1992	22.18						
RATEbase	30.49438						
PFnew (weighted average)	25.38	26.39	26.39	26.39	26.39	26.39	26.39
RATEnew @ Proposed Rates	34.89	36.28	36.28	36.28	36.28	36.28	36.28
RATEnew @ Current Rates	34.89	36.28	36.28	36.28	36.28	36.28	36.28
<b>CONSERVATION TRANSFERS</b>							
RATEnew = RATEbase * PFnew / PFbase							
PF load factor: 100%							
RATEbase	23.5						
PFbase	21.9						
PFnew (weighted average)	25.38	26.39	26.39	26.39	26.39	26.39	26.39
RATEnew @ Proposed Rates	27.23	28.32	28.32	28.32	28.32	28.32	28.32
RATEnew @ Current Rates	27.23	28.32	28.32	28.32	28.32	28.32	28.32
<b>ELECTRIC VENTURES PROGRAM*</b>							
SPnew = EAR - (DEMnew / (730hrs. * LF) * 1000)							
PF load factor: 69%							
Energy Rate @ Proposed		21.95	21.95				
DEMnew (weighted average)		4.31	4.31				
Energy Rate @ Current		21.95	21.95				
DEMnew (weighted average)		4.31	4.31				
EAR @ Proposed Rates		30.5	30.50				
EAR @ Current Rates		30.5	30.50				
*(Expires Dec. 1996)							

Routing: MPPD		RATE DESIGN STUDY					
Date: Apr 13, 1999		Surplus Firm Power Contract Rates					
Time: 10:20		\$/kW and mills/kWh					
		Test Period October 1996 - September 2001					
		A	B	C	D	E	
	FY 1995	FY1996	FY 1997	FY1998	FY1999	FY2000	FY2001
<b>M-S-R (92499)</b>							
SPnew = SPinit * PFnew / PFinit * (1.0175) * n							
PF load factor: 50%							
SPinit (fixed by contract)							
Demand	5						
Energy	26.9						
PFinit (PF-89) (weighted average)	26.7						
PFnew (PF-96) (weighted average)	31.05	32.29	32.29	32.29	32.29	32.29	32.29
Demand: SPnew @ Proposed Rates*	6.23	6.59	6.71	6.83	6.95	7.07	7.19
Demand: SPnew @ Current Rates			6.71	6.83	6.95	7.07	7.19
Energy: SPnew @ Proposed Rates**	33.5	35.5	36.1	36.7	37.4	38.0	38.7
Energy: SPnew @ Current Rates			36.1	36.7	37.4	38.0	38.7
n = FY-1991	4	5	6	7	8	9	10
*round to nearest cent							
**round to nearest tenth mill							
<b>Burbank, Glendale, Pasadena (92411,-2,-3)</b>							
SPnew = SPn * PFnew / PFprev							
PF load factor: 50%							
Block 2 May 15 through Oct 14							
SPn (prev SPnew) (adjust w/rate case only)							
Energy		29.60	30.78	30.78	30.78	30.78	30.78
Demand		6.65	6.91	6.91	6.91	6.91	6.91
PFprev (PF-95) (weighted average)	31.05	31.05	32.29	32.29	32.29	32.29	32.29
PFnew (PF-96) (weighted average)		32.29	32.29	32.29	32.29	32.29	32.29
Demand: SPnew @ Proposed Rates	6.65	6.91	6.91	6.91	6.91	6.91	6.91
May (partial month)	5.15	5.35	5.35	5.35	5.35	5.35	5.35
October (partial month)	4.82	5.02	5.02	5.02	5.02	5.02	5.02
Demand: SPnew @ Current Rates			6.91	6.91	6.91	6.91	6.91
May (partial month)			5.35	5.35	5.35	5.35	5.35
October (partial month)			5.02	5.02	5.02	5.02	5.02
Energy: SPnew @ Proposed Rates	29.60	30.78	30.78	30.78	30.78	30.78	30.78
Energy: SPnew @ Current Rates			30.78	30.78	30.78	30.78	30.78
<b>SCE (mSC-86)</b>							
Rate Ceiling			45.9	45.9	45.9	45.9	45.9
Rate Floor			35.6	35.6	35.6	35.6	35.6
Proposed Formula Rate			26.4	28.3	29.2	30.2	31.3
mSC86 @ Proposed Rates			36.2	36.2	36.2	36.2	36.2
mSC86 @ Current Rates			36.2	36.2	36.2	36.2	36.2
<b>PALO ALTO POWER SALE (94508)</b>							
SPnew (weighted average) [rate fixed by contract]							
Energy							
May - weighted average		15.51	15.97	16.46	16.95	17.45	17.98
May -HLH		19.10	19.67	20.26	20.87	21.49	22.14
May -LLH		8.75	9.01	9.29	9.56	9.85	10.15
June - weighted average		17.32	17.84	18.37	18.93	19.49	20.08
June -HLH		21.22	21.85	22.51	23.19	23.88	24.60
June -LLH		10.08	10.38	10.69	11.01	11.34	11.68
July - weighted average		22.57	23.25	23.94	24.66	25.40	26.17
July -HLH		26.52	27.32	28.14	28.98	29.85	30.75
July -LLH		15.12	15.57	16.04	16.52	17.02	17.53
<b>PALO ALTO CAPACITY SALE</b>							
Demand (Exh. C, table I from contract)		3.02	3.11	3.21	3.30	3.40	3.51
<b>ANAHEIM &amp; RIVERSIDE CAPACITY SALES (92784,-858)</b>							
Rate changes each October 1							
SPnew = SPprev * PFnew / PFprev * 1.01							
PF load factor: 50%							
SP prev (prev yr rate)		5.70	5.99	6.05	6.11	6.17	6.23
PFprev (weighted average)	31.05	31.05	32.29	32.29	32.29	32.29	32.29
PFnew (PF-96) (weighted average)		32.29	32.29	32.29	32.29	32.29	32.29
SPnew @ Proposed Rates	5.70	5.99	6.05	6.11	6.17	6.23	6.29
SPnew @ Current Rates	5.70	5.99	6.05	6.11	6.17	6.23	6.29

Routing: MPPD	RATE DESIGN STUDY						
Date: Apr 13, 1999	Surplus Firm Power Contract Rates						
Time: 10:20	\$/kW and mills/kWh						
	Test Period October 1996 - September 2001						
			A	B	C	D	E
	FY 1995	FY1996	FY 1997	FY1998	FY1999	FY2000	FY2001
<b>WEST OREGON ELEC. COOP (94697)</b>							
(fixed by contract)							
SP Merged Rate (mills/kWh)		27.8	28.6	29.4	30.2	31.0	
<b>WWP (94779)</b>							
Annual Firm Energy (mills/kWh)		23.0	24.0	24.0			
(fixed by contract)							
Winter Firm Capacity (\$/kw-mo.)							
Jan-Mar		3.12	3.25	3.38			
Nov-Dec	3.00	3.12	3.25	3.38			
Winter Firm Energy (\$/MWh)							
Jan-Mar		23.90	24.90	25.86			
Nov-Dec	23.00	23.90	24.90	25.86			
<b>WWP (94667)</b>							
Firm Energy Rates							
(fixed by contract)							
Energy (m/kWh)							
May - weighted average	18.27	18.91	19.56	20.25	20.96	21.69	22.45
May -HLH	20.00	20.70	21.42	22.17	22.95	23.75	24.58
May -LLH	15.00	15.53	16.07	16.63	17.21	17.81	18.43
June- weighted average	18.25	18.89	19.55	20.23	20.94	21.67	22.43
June -HLH	20.00	20.70	21.42	22.17	22.95	23.75	24.58
June -LLH	15.00	15.53	16.07	16.63	17.21	17.81	18.43
July -weighted average	21.61	22.37	23.16	23.96	24.80	25.67	26.57
July -HLH	23.00	23.81	24.64	25.50	26.39	27.31	28.27
July -LLH	19.00	19.67	20.36	21.07	21.81	22.57	23.36
Don't use these (but don't delete)							
June- weighted average							
June-HLH	21.00	21.74	22.50	23.29	24.11	24.95	25.82
June-LLH	16.00	16.56	17.14	17.74	18.36	19.00	19.67
July -weighted average							
July -HLH	24.00	24.84	25.71	26.61	27.54	28.50	29.50
July -LLH	20.00	20.70	21.42	22.17	22.95	23.75	24.58
<b>PGE (94728)</b>							
(8/1/95 - 7/31/97) (fixed by contract)							
SP Energy Rate (m/kWh)		26.47	26.47				
(\$29.12 less \$2.65/1000)							
<b>LOWER VALLEY (94839)</b>							
(10/196-9/30/01) (Fixed by contract)							
SP Energy Rate (m/KWh)			24.00	24.00	24.00	24.00	24.00
<b>EWEB Baseload (94831)</b>							
(8/1/95- 7/31/00)							
Rate changes each October 1							
SPnew = SPprev * 2.75%							
SP Demand Rate (\$/MW)		2.08	2.14	2.20	2.26	2.32	
SP Energy Rate (m/KWh)		19.81	20.35	20.91	21.49	22.08	
<b>EWEB Variable (94831)</b>							
(8/1/95- 7/31/00)							
Rate changes each October 1							
SPnew = SPprev * 2.75%							
SP Demand Rate (\$/MW)		3.57	3.67	3.77	3.87	3.98	
SP Energy Rate (m/KWh)		21.31	21.90	22.50	23.12	23.75	



60 Routing: MPPD	RATE DESIGN STUDY													SDC10
61 Date: April 13, 1999	Revenues from Surplus Firm Power Contracts													
62 Time: 10:26:41 AM	at Other Than Fully Allocated Cost													
63	Average Megawatts, \$ Thousands													
64	Test Period October 1996 - September 2001													
65														
66	A	B	C	D	E	F	G	H	I	J	K	L	M	
67 FROM HERE STILL LINK RATES!!!!!!	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg	
68 BPA to WWP, Clark (94779)														
69 Average	100	175	175	175	175	175	100	100	100	100	100	100	131	
70 Energy Rate	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	
71 Average Revenue	1488	2520	2604	2604	2352	2604	1440	1488	1440	1488	1488	1440	22956	
72 Peak	100	250	250	250	250	250	100	100	100	100	100	100	1950	
73 Demand Rate	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
74 Peak Revenue	500	1250	1250	1250	1250	1250	500	500	500	500	500	500	9750	
75 Total Revenue	1988	3770	3854	3854	3602	3854	1940	1988	1940	1988	1988	1940	32706	
76 BPA to PGE, Canby (94728)														
77 Average	13	16	18	17	16	14	13	12	10	10	0	0	12	
78 Energy Rate	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	
79 Average Revenue	193	230	268	253	215	208	187	179	144	149	0	0	2027	
80 Peak	13	16	18	17	16	14	13	12	10	10	0	0	139	
81 Total Revenue	193	230	268	253	215	208	187	179	144	149	0	0	2027	
82 PSP&L mSL-87 (92527)														
83 Average	150	150	150	150	150	150	0	0	0	0	0	0	75	
84 Energy Rate	36.28	36.28	36.28	36.28	36.28	36.28	0	0	0	0	0	0	0	
85 Average Revenue	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	
86 Peak	300	300	300	300	300	300	0	0	0	0	0	0	1800	
87 Total Revenue	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	
88 Spec sales: BPA to Marketers														
89 Average	139	139	139	139	139	139	139	139	139	139	139	139	139	
90 Energy Rate	24.12	24.19	24.12	24.87	25.09	24.87	23.19	15.42	15.49	17.60	21.66	24.19	24.19	
91 Average Revenue	2494	2421	2494	2572	2344	2572	2321	1595	1550	1820	2240	2421	26844	
92 Peak	151	151	151	151	151	151	151	151	151	151	151	151	1812	
93 Demand Rate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
94 Peak Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 Total Revenue	2494	2421	2494	2572	2344	2572	2321	1595	1550	1820	2240	2421	26844	
96 Spec sales: BPA to IOUs														
97 Average	0	0	0	0	0	0	211	211	211	211	0	0	70	
98 Energy Rate	23.12	23.81	23.76	23.76	23.87	23.12	19.24	19.24	19.24	19.24	23.12	23.12	23.12	
99 Average Revenue	0	0	0	0	0	0	2923	3020	2923	3020	0	0	11887	
100 Peak	0	12	12	12	12	0	225	225	225	225	0	0	948	
101 Demand Rate	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102 Peak Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0	
103 Total Revenue	0	0	0	0	0	0	2923	3020	2923	3020	0	0	11887	
104														
105 Total PNW-OTFAC														
106 Average	510	651	693	691	662	622	572	554	551	551	310	319	557	
107 Average Revenue	10114	11905	12995	12979	11324	11879	8682	7855	7566	8093	4990	5219	113602	
108 Peak	1992	2245	2364	2365	2333	2199	1923	1885	1875	1875	1618	1638	24312	
109 Peak Revenue	8423	9349	9772	9779	9677	9263	8428	8312	8278	8283	8144	8177	105886	
110 Total Revenue	18537	21255	22767	22758	21001	21142	17110	16167	15843	16376	13135	13396	219488	

111	Routing: MPPD			RATE DESIGN STUDY												SDC10
112	Date: April 13, 1999	Revenues from Surplus Firm Power Contracts														
113	Time: 10:26:41 AM	at Other Than Fully Allocated Cost														
114	Average Megawatts, \$ Thousands															
115	Test Period October 1996 - September 2001															
116		N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
118		Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total		
119																
120		744	720	744	744	672	744	720	744	720	744	744	720	8760		
121	PACIFIC SOUTHWEST.....															
122	Anaheim SP-95 (92784).....															
123	Peak.....	0	16	16	16	16	16	16	24	0	0	0	0	120		
124	Demand Rate.....	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05			
125	Total Revenue.....	0	97	97	97	97	97	97	145	0	0	0	0	726		
126	Riverside SP-95 (92858).....															
127	Peak.....	0	16	16	16	16	16	16	23	0	0	0	0	119		
128	Demand Rate.....	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05	6.05			
129	Total Revenue.....	0	97	97	97	97	97	97	139	0	0	0	0	720		
130	Palo Alto SP (94508).....															
131	Peak.....	20	0	0	0	0	0	0	0	0	0	20	20	60		
132	Demand Rate.....	3.11										3.11	3.11			
133	Total Revenue.....	62	0	0	0	0	0	0	0	0	0	62	62	187		
134	Burbank SP-95 (92411).....															
135	Average.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16		
136	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78			
137	Average Revenue.....	357	250	259	247	205	236	239	414	519	579	605	543	4454		
138	Peak.....	40	20	20	20	20	20	20	40	40	40	40	40	360		
139	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91			
140	Peak Revenue.....	201	138	138	138	138	138	138	214	276	276	276	276	2349		
141	Total Revenue.....	558	389	397	386	343	374	378	628	795	856	881	819	6803		
142	Glendale SP-95 (92412).....															
143	Average.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8		
144	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78			
145	Average Revenue.....	144	98	103	137	110	110	122	211	264	300	325	293	2216		
146	Peak.....	20	10	10	10	10	10	10	20	20	20	20	20	180		
147	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91			
148	Peak Revenue.....	100	69	69	69	69	69	69	107	138	138	138	138	1175		
149	Total Revenue.....	245	167	172	207	179	179	191	318	402	438	463	431	3390		
150	Pasadena SP-95 (92413).....															
151	Average.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3		
152	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78			
153	Average Revenue.....	87	49	50	50	46	48	51	82	95	105	105	102	871		
154	Peak.....	6	6	6	6	6	6	6	6	6	6	6	6	72		
155	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91			
156	Peak Revenue.....	30	41	41	41	41	41	41	32	41	41	41	41	477		
157	Total Revenue.....	117	90	92	87	87	90	92	115	137	147	147	143	1348		
158	M-S-R SP-95 (92499).....															
159	Average.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75		
160	Energy Rate.....	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1			
161	Average Revenue.....	3059	2004	1418	1456	1092	1209	1170	1265	2035	3075	3014	3088	23884		
162	Peak.....	150	150	150	150	150	150	150	150	150	150	150	150	1800		
163	Demand Rate.....	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71	6.71			
164	Peak Revenue.....	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	1007	12078		
165	Total Revenue.....	4066	3010	2425	2462	2098	2215	2176	2272	3042	4082	4020	4094	35962		
166	SCE mSC-86 (92275).....															
167	Average.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134		
168	Energy Rate.....	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2			
169	Average Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463		
170	Peak.....	250	250	250	250	250	250	250	250	250	250	250	250	3000		
171	Total Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463		
172	Palo Alto SP- (94508).....															
173	Average.....	0	0	0	0	0	0	0	20	20	20	0	0	5		
174	Energy Rate.....								15.97	17.84	23.25					
175	Average Revenue.....	0	0	0	0	0	0	0	238	257	346	0	0	840		
176	Peak.....	0	0	0	0	0	0	0	20	20	20	0	0	60		
177	Demand Rate.....								3.11	3.11	3.11					
178	Peak Revenue.....	0	0	0	0	0	0	0	62	62	62	0	0	187		
179	Total Revenue.....	0	0	0	0	0	0	0	300	319	408	0	0	1027		
180	Total PSW-OTFAC.....															
181	Average.....	270.6	240.2	207.8	210.2	197.7	197.8	194.6	229	268.9	308.5	288.4	292.1	242		
182	Average Revenue.....	7176	6185	5520	5581	4743	5255	4996	5738	6584	7934	7577	7440	74729		
183	Peak.....	486	468	468	468	468	468	468	533	486	486	486	486	5771		
184	Peak Revenue.....	1400	1449	1449	1449	1449	1449	1449	1706	1525	1525	1525	1525	17897		
185	Total Revenue.....	8576	7634	6969	7029	6192	6703	6445	7444	8109	9459	9102	8964	92626		
186																
187	Total PNW & PSW-OTFAC.....															
188	Average.....	780	891	901	901	860	820	767	783	820	860	598	611	799		
189	Average Revenue.....	17290	18090	18515	18560	16067	17134	13678	13594	14150	16027	12567	12659	188331		
190	Peak.....	2478	2713	2832	2833	2801	2667	2391	2418	2361	2361	2104	2124	30083		
191	Peak Revenue.....	9823	10798	11221	11228	11126	10712	9877	10018	9803	9807	9669	9701	123783		
192	Total Revenue.....	27113	28888	29736	29788	27193	27845	23555	23612	23952	25835	22237	22360	312114		



RATE DESIGN STUDY															SDC10
Revenues from Surplus Firm Power Contracts															
at Other Than Fully Allocated Cost															
Average Megawatts, \$ Thousands															
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	A	B	C	D	E	F	G	H	I	J	K	L	M	2-Year	
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Total/Av g	Av g/To	
60 Routing: MPPD															
61 Date: April 13, 1999															
62 Time: 10:26:41 AM															
63															
64															
65															
66															
67															
68 BPA to WWP, Clark (94779).....															
69 Average.....	100	175	175	175	175	175	100	100	100	100	0	0	115	123	
70 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
71 Average Revenue.....	1488	2520	2604	2604	2352	2604	1440	1488	1440	1488	0	0	20028	42,984	
72 Peak.....	100	250	250	250	250	250	100	100	100	100	0	0	1750	1850	
73 Demand Rate.....	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
74 Peak Revenue.....	500	1250	1250	1250	1250	1250	500	500	500	500	0	0	8750	18,500	
75 Total Revenue.....	1988	3770	3854	3854	3602	3854	1940	1988	1940	1988	0	0	28776	61,484	
76 BPA to PGE, Canby (94728).....															
77 Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
78 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
79 Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027	
80 Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	70	
81 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027	
82 PSP&L mSL-87 (92527).....															
83 Average.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75	
84 Energy Rate.....	36.28	36.28	36.28	36.28	36.28	36.28	0	0	0	0	0	0	0		
85 Average Revenue.....	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	47,541	
86 Peak.....	300	300	300	300	300	300	0	0	0	0	0	0	1800	1800	
87 Total Revenue.....	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	47,541	
88 Spec sales: BPA to Marketers.....															
89 Average.....	216	216	216	216	216	216	216	216	216	216	216	216	216	178	
90 Energy Rate.....	24.12	24.19	24.12	24.87	25.09	24.87	23.19	15.42	15.49	17.60	21.66	24.19	24.19		
91 Average Revenue.....	3876	3762	3876	3997	3642	3997	3607	2478	2409	2828	3481	3762	41715	68,559	
92 Peak.....	247	247	247	247	247	247	247	247	247	247	247	247	2964	2388	
93 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
94 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 Total Revenue.....	3876	3762	3876	3997	3642	3997	3607	2478	2409	2828	3481	3762	41715	68,559	
96 Spec sales: BPA to IOUs.....															
97 Average.....	0	0	0	0	0	0	268	268	268	268	0	0	89	80	
98 Energy Rate.....	23.12	23.81	23.76	23.76	23.87	23.12	19.24	19.24	19.24	19.24	23.12	23.12	23.12		
99 Average Revenue.....	0	0	0	0	0	0	3713	3836	3713	3836	0	0	15098	26,984	
100 Peak.....	27	52	52	52	52	27	301	301	301	301	27	27	1520	1234	
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
103 Total Revenue.....	0	0	0	0	0	0	3713	3836	3713	3836	0	0	15098	26,984	
104															
105 Total PNW-OTFAC.....															
106 Average.....	568	707	746	752	726	685	693	676	674	675	287	292	623	590	
107 Average Revenue.....	11181	12938	14016	14225	12505	13130	10595	9400	9072	9794	4755	5052	126663	240265	
108 Peak.....	2096	2359	2475	2485	2454	2310	2083	2047	2037	2037	1642	1662	25687	25000	
109 Peak Revenue.....	8243	9135	9523	9545	9479	9070	8254	8144	8144	8144	7655	7688	103022	208908	
110 Total Revenue.....	19423	22074	23538	23770	21984	22200	18848	17543	17216	17938	12410	12740	229685	449173	



111	Routing: MPPD				RATE DESIGN STUDY															SDC10		
112	Date: April 13, 1999				Revenues from Surplus Firm Power Contracts																	
113	Time: 10:26:41 AM				at Other Than Fully Allocated Cost																	
114					Average Megawatts, \$ Thousands																	
115					Test Period October 1996 - September 2001																	
116																						
117		N	O	P	Q	R	S	T	U	V	W	X	Y	Z				2-Year				
118		Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Total				Avg/To				
119																						
120		744	720	744	744	672	744	720	744	720	744	744	720	8760								
121	PACIFIC SOUTHWEST.....																					
122	Anaheim SP-95 (92784).....																					
123	Peak.....	0	16	16	16	16	16	16	24	0	0	0	0	120			120					
124	Demand Rate.....	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11									
125	Total Revenue.....	0	98	98	98	98	98	98	147	0	0	0	0	733			1,458					
126	Riverside SP-95 (92858).....																					
127	Peak.....	0	16	16	16	16	16	16	23	0	0	0	0	119			119					
128	Demand Rate.....	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11	6.11									
129	Total Revenue.....	0	98	98	98	98	98	98	140	0	0	0	0	727			1,446					
130	Palo Alto SP (94508).....																					
131	Peak.....	20	0	0	0	0	0	0	0	0	0	20	20	60			60					
132	Demand Rate.....	3.21										3.21	3.21									
133	Total Revenue.....	64.2	0	0	0	0	0	0	0	0	0	64.2	64.2	193			379					
134	Burbank SP-95 (92411).....																					
135	Average.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16			16					
136	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78									
137	Average Revenue.....	357	250	259	247	205	236	239	414	519	579	605	543	4454			8,907					
138	Peak.....	40	20	20	20	20	20	20	40	40	40	40	40	360			360					
139	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91									
140	Peak Revenue.....	201	138	138	138	138	138	138	214	276	276	276	276	2349			4,699					
141	Total Revenue.....	558	389	397	386	343	374	378	628	795	856	881	819	6803			13,606					
142	Glendale SP-95 (92412).....																					
143	Average.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8			8					
144	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78									
145	Average Revenue.....	144	98	103	137	110	110	122	211	264	300	325	293	2216			4,432					
146	Peak.....	20	10	10	10	10	10	10	20	20	20	20	20	180			180					
147	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91									
148	Peak Revenue.....	100	69	69	69	69	69	69	107	138	138	138	138	1175			2,349					
149	Total Revenue.....	245	167	172	207	179	179	191	318	402	438	463	431	3390			6,781					
150	Pasadena SP-95 (92413).....																					
151	Average.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3			3					
152	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78									
153	Average Revenue.....	87	49	50	50	46	48	51	82	95	105	105	102	871			1,743					
154	Peak.....	6	6	6	6	6	6	6	6	6	6	6	6	72			72					
155	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91									
156	Peak Revenue.....	30	41	41	41	41	41	41	32	41	41	41	41	477			954					
157	Total Revenue.....	117	90	92	92	87	90	92	115	137	147	147	143	1348			2,697					
158	M-S-R SP-95 (92499).....																					
159	Average.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75			75					
160	Energy Rate.....	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7									
161	Average Revenue.....	3110	2037	1442	1480	1110	1229	1189	1286	2069	3126	3064	3139	24281			48,165					
162	Peak.....	150	150	150	150	150	150	150	150	150	150	150	150	1800			1800					
163	Demand Rate.....	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83	6.83									
164	Peak Revenue.....	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	12294			24,372					
165	Total Revenue.....	4135	3062	2466	2504	2134	2253	2214	2311	3093	4151	4088	4164	36575			72,537					
166	SCE mSC-86 (92275).....																					
167	Average.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134			134					
168	Energy Rate.....	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2									
169	Average Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463			84,927					
170	Peak.....	250	250	250	250	250	250	250	250	250	250	250	250	3000			3000					
171	Total Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463			84,927					
172	Palo Alto SP- (94508).....																					
173	Average.....	0	0	0	0	0	0	0	20	20	20	0	0	5			5					
174	Energy Rate.....								16.46	18.37	23.94											
175	Average Revenue.....	0	0	0	0	0	0	0	245	265	356	0	0	866			1,706					
176	Peak.....	0	0	0	0	0	0	0	20	20	20	0	0	60			60					
177	Demand Rate.....								3.21	3.21	3.21											
178	Peak Revenue.....	0	0	0	0	0	0	0	64.2	64.2	64.2	0	0	193			379					
179	Total Revenue.....	0	0	0	0	0	0	0	309	329	420	0	0	1058			2,085					
180	Total PSW-OTFAC.....																					
181	Average.....	270.6	240.2	207.8	210.2	197.7	197.8	194.6	229	268.9	308.5	288.4	292.1	242			242					
182	Average Revenue.....	7227	6218	5544	5605	4761	5275	5016	5767	6626	7996	7627	7491	75151			149,880					
183	Peak.....	486	468	468	468	468	468	468	533	486	486	486	486	5771			5771					
184	Peak Revenue.....	1420	1469	1469	1469	1469	1469	1469	1729	1545	1545	1545	1545	18140			36,037					
185	Total Revenue.....	8646	7687	7012	7074	6230	6743	6484	7496	8170	9540	9172	9036	93291			185,917					
186																						
187	Total PNW & PSW-OTFAC.....																					
188	Average.....	838	947	954	962	924	883	888	905	943	984	575	584	865			832					
189	Average Revenue.....	18407	19157	19560	19830	17266	18405	15611	15166	15696	17789	12382	12543	201814			390145					
190	Peak.....	2582	2827	2943	2953	2922	2778	2551	2580	2523	2523	2128	2148	31458			30771					
191	Peak Revenue.....	9662	10604	10992	11014	10948	10538	9722	9873	9689	9689	9200	9233	121162			244945					
192	Total Revenue.....	28070	29761	30551	30844	28214	28943	25333	25039	25386	27478	21582	21776	322976			635090					

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		Average Megawatts, \$ Thousands													
		Test Period October 1996 - September 2001													
		A	B	C	D	E	F	G	H	I	J	K	L	M	3-Year
		Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Total/Av g	Av g/To
		744	720	744	744	672	744	720	744	720	744	744	720	8760	
1	PACIFIC NORTHWEST.....														
2	WWP Capacity Sale SP-95 (92871).....														
3	Peak.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
4	Demand Rate.....	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80		
5	Total Revenue.....	290	290	290	290	290	290	290	290	290	290	290	290	3480	10,260
6	PP&L Capacity Sale PPL-90 (92497).....														
7	Peak.....	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	13200	13200
8	Demand Rate.....	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08		
9	Total Revenue.....	6688	6688	6688	6688	6688	6688	6688	6688	6688	6688	6688	6688	80256	240,768
10	PGE Capacity Sale SP (94253).....														
11	Peak.....	90	90	150	150	150	90	90	90	90	90	90	90	1260	1260
12	Demand Rate.....	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36		
13	Total Revenue.....	482	482	804	804	804	482	482	482	482	482	482	482	6754	20,261
14	Conservation Transfer SP-95 (92795,-7,-8).....														
15	Average.....	5	7	10	8	7	7	5	4	4	3	4	4	6	6
16	Energy Rate.....	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32		
17	Average Revenue.....	105	143	211	169	133	147	102	84	82	63	84	82	1405	4,276
18	Peak.....	7	9	12	12	10	9	8	7	6	6	6	6	98	98
19	Total Revenue.....	105	143	211	169	133	147	102	84	82	63	84	82	1405	4,276
20	Electric Ventures SP-95 (92759).....														
21	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
22	Energy Rate.....														
23	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
24	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	8
25	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
26	BPA to EWEB, Base Load (94831).....														
27	Average.....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42	42
28	Energy Rate.....	21.45	21.45	21.45	21.45	21.45	21.45	21.45	21.45	21.45	21.45	21.45	21.45		
29	Average Revenue.....	504	1191	1567	1679	1213	895	542	0	0	0	56	217	7863	22,964
30	Peak.....	45	110	140	150	120	80	50	0	0	0	5	20	720	720
31	Demand Rate.....	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26	2.26		
32	Peak Revenue.....	102	248	316	338	271	181	113	0	0	0	11	45	1625	4,744
33	Total Revenue.....	605	1440	1883	2017	1484	1076	654	0	0	0	67	262	9488	27,708
34	BPA to EWEB, Variable (94831).....														
35	Average.....	15	15	15	15	15	15	15	15	15	15	15	15	15	15
36	Energy Rate.....	23.12	23.12	23.12	23.12	23.12	23.12	23.12	23.12	23.12	23.12	23.12	23.12		
37	Average Revenue.....	258	250	258	258	233	258	250	258	250	258	258	250	3038	8,871
38	Peak.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
39	Demand Rate.....	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87		
40	Peak Revenue.....	194	194	194	194	194	194	194	194	194	194	194	194	2324	6,786
41	Total Revenue.....	452	443	452	452	427	452	443	452	443	452	452	443	5361	15,657
42	BPA to Western Oregon (94697).....														
43	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
44	Energy Rate.....	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20		
45	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,867
46	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	96
47	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,867
48	BPA to Lower Valley (94839).....														
49	Average.....	44	58	74	74	69	59	47	42	40	43	42	41	53	52
50	Energy Rate.....	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00		
51	Average Revenue.....	786	1002	1321	1321	1113	1054	812	750	691	768	750	708	11076	32,757
52	Peak.....	70	89	112	110	112	95	76	66	59	61	59	62	971	956
53	Total Revenue.....	786	1002	1321	1321	1113	1054	812	750	691	768	750	708	11076	32,757
54	BPA to WWP, Riverside (94667).....														
55	Average.....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
56	Energy Rate.....								20.96	20.94	24.80				
57	Average Revenue.....	0	0	0	0	0	0	0	390	377	461	0	0	1228	3,561
58	Peak.....	0	0	0	0	0	0	0	25	25	25	0	0	75	75
59	Total Revenue.....	0	0	0	0	0	0	0	390	377	461	0	0	1228	3,561

60 Routing: MPPD	RATE DESIGN STUDY													SDC10
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63	Average Megawatts, \$ Thousands													
64	Test Period October 1996 - September 2001													
65														
66	A	B	C	D	E	F	G	H	I	J	K	L	M	3-Year
67	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Total/Av g	Avg/To
68 BPA to WWP, Clark (94779).....														
69 Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	82
70 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	
71 Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	42,984
72 Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1233
73 Demand Rate.....	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
74 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	18,500
75 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	61,484
76 BPA to PGE, Canby (94728).....														
77 Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
78 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	
79 Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027
80 Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	46
81 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027
82 PSP&L mSL-87 (92527).....														
83 Average.....	150	150	150	150	150	150	150	0	0	0	0	0	75	75
84 Energy Rate.....	36.28	36.28	36.28	36.28	36.28	36.28	36.28							
85 Average Revenue.....	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	71,312
86 Peak.....	300	300	300	300	300	300	0	0	0	0	0	0	1800	1800
87 Total Revenue.....	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	71,312
88 Spec sales: BPA to Marketers.....														
89 Average.....	278	278	278	278	278	278	278	278	278	278	278	278	278	211
90 Energy Rate.....	24.12	24.19	24.12	24.87	25.09	24.87	23.19	15.42	15.49	17.60	21.66	24.19		
91 Average Revenue.....	4989	4842	4989	5144	4687	5144	4642	3189	3100	3640	4480	4842	53688	122,247
92 Peak.....	325	325	325	325	325	325	325	325	325	325	325	325	3900	2892
93 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
94 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95 Total Revenue.....	4989	4842	4989	5144	4687	5144	4642	3189	3100	3640	4480	4842	53688	122,247
96 Spec sales: BPA to IOUs.....														
97 Average.....	7	7	7	7	7	7	295	295	295	295	7	7	103	88
98 Energy Rate.....	23.12	23.81	23.78	23.78	23.87	23.12	19.24	19.24	19.24	19.24	23.12	23.12		
99 Average Revenue.....	120	120	124	124	112	120	4087	4223	4087	4223	120	117	17576	44,561
100 Peak.....	40	65	65	65	65	40	328	328	328	328	40	40	1732	1400
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Total Revenue.....	120	120	124	124	112	120	4087	4223	4087	4223	120	117	17576	44,561
104														
105 Total PNW-OTFAC.....														
106 Average.....	531	592	632	637	610	572	675	659	657	659	350	359	578	586
107 Average Revenue.....	10811	11466	12518	12743	11149	11667	10434	8894	8586	9413	5749	6215	119645	359910
108 Peak.....	2077	2188	2304	2312	2282	2139	2077	2041	2033	2035	1725	1743	24956	24985
109 Peak Revenue.....	7756	7902	8292	8314	8246	7835	7767	7654	7654	7654	7665	7699	94438	303346
110 Total Revenue.....	18566	19368	20810	21057	19395	19502	18200	16548	16240	17067	13414	13914	214083	663256

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114		Average Megawatts, \$ Thousands														
115		Test Period October 1996 - September 2001														
116		N	O	P	Q	R	S	T	U	V	W	X	Y	Z	3-Year	
118		Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Total	Avg/To	
119																
120		744	720	744	744	672	744	720	744	720	744	744	720	8760		
121	PACIFIC SOUTHWEST.....															
122	Anaheim SP-95 (92784).....															
123	Peak.....	0	16	16	16	16	16	16	24	0	0	0	120	120		
124	Demand Rate.....	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17						
125	Total Revenue.....	0	99	99	99	99	99	99	148	0	0	0	740	2,199		
126	Riverside SP-95 (92858).....															
127	Peak.....	0	16	16	16	16	16	16	23	0	0	0	119	119		
128	Demand Rate.....	6.17	6.17	6.17	6.17	6.17	6.17	6.17	6.17							
129	Total Revenue.....	0	99	99	99	99	99	99	142	0	0	0	734	2,180		
130	Palo Alto SP (94508).....															
131	Peak.....	20	0	0	0	0	0	0	0	0	0	20	20	60		
132	Demand Rate.....	3.30									3.30	3.30				
133	Total Revenue.....	66	0	0	0	0	0	0	0	0	0	66	66	198		
134	Burbank SP-95 (92411).....															
135	Average.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16		
136	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78			
137	Average Revenue.....	357	250	259	247	205	236	239	414	519	579	605	543	4454		
138	Peak.....	40	20	20	20	20	20	20	40	40	40	40	40	360		
139	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91			
140	Peak Revenue.....	201	138	138	138	138	138	138	214	276	276	276	276	2349		
141	Total Revenue.....	558	389	397	386	343	374	378	628	795	856	881	819	6803		
142	Glendale SP-95 (92412).....															
143	Average.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8		
144	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78			
145	Average Revenue.....	144	98	103	137	110	110	122	211	264	300	325	293	2216		
146	Peak.....	20	10	10	10	10	10	10	20	20	20	20	20	180		
147	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91			
148	Peak Revenue.....	100	69	69	69	69	69	69	107	138	138	138	138	1175		
149	Total Revenue.....	245	167	172	207	179	179	191	318	402	438	463	431	3390		
150	Pasadena SP-95 (92413).....															
151	Average.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3		
152	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78			
153	Average Revenue.....	87	49	50	50	46	48	51	82	95	105	105	102	871		
154	Peak.....	6	6	6	6	6	6	6	6	6	6	6	6	72		
155	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91			
156	Peak Revenue.....	30	41	41	41	41	41	41	32	41	41	41	41	477		
157	Total Revenue.....	117	90	92	87	87	90	92	115	137	147	147	143	1348		
158	M-S-R SP-95 (92499).....															
159	Average.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75		
160	Energy Rate.....	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4			
161	Average Revenue.....	3169	2076	1469	1508	1131	1252	1212	1311	2108	3186	3122	3199	24744		
162	Peak.....	150	150	150	150	150	150	150	150	150	150	150	150	1800		
163	Demand Rate.....	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95	6.95			
164	Peak Revenue.....	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	1043	12510		
165	Total Revenue.....	4212	3119	2512	2551	2173	2295	2254	2353	3151	4229	4165	4242	37254		
166	SCE mSC-86 (92275).....															
167	Average.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134		
168	Energy Rate.....	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2			
169	Average Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463		
170	Peak.....	250	250	250	250	250	250	250	250	250	250	250	250	3000		
171	Total Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463		
172	Palo Alto SP- (94508).....															
173	Average.....	0	0	0	0	0	0	0	20	20	20	0	0	5		
174	Energy Rate.....								16.95	18.93	24.66					
175	Average Revenue.....	0	0	0	0	0	0	0	252	273	367	0	0	892		
176	Peak.....	0	0	0	0	0	0	0	20	20	20	0	0	60		
177	Demand Rate.....								3.30	3.30	3.30					
178	Peak Revenue.....	0	0	0	0	0	0	0	66	66	66	0	0	198		
179	Total Revenue.....	0	0	0	0	0	0	0	318	339	433	0	0	1090		
180	Total PSW-OTFAC.....															
181	Average.....	270.6	240.2	207.8	210.2	197.7	197.8	194.6	229	268.9	308.5	288.4	292.1	242		
182	Average Revenue.....	7286	6257	5571	5633	4782	5298	5038	5799	6673	8066	7685	7551	75640		
183	Peak.....	486	468	468	468	468	468	468	533	486	486	486	486	5771		
184	Peak Revenue.....	1438	1489	1489	1489	1489	1489	1489	1752	1565	1565	1565	1565	18381		
185	Total Revenue.....	8726	7746	7060	7122	6271	6787	6527	7550	8238	9630	9250	9115	94021		
186																
187	Total PNW & PSW-OTFAC.....															
188	Average.....	801	832	840	847	808	770	870	888	926	968	638	651	820		
189	Average Revenue.....	18097	17723	18090	18376	15931	16966	15472	14693	15259	17479	13434	13766	195285		
190	Peak.....	2563	2656	2772	2780	2750	2607	2545	2574	2519	2521	2211	2229	30727		
191	Peak Revenue.....	9195	9391	9780	9803	9735	9323	9255	9406	9219	9219	9230	9264	112819		
192	Total Revenue.....	27292	27114	27870	28179	25666	26289	24727	24098	24478	26698	22664	23029	308104		

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		Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Total/Av g	Av g/To
		744	720	744	744	696	744	720	744	720	744	744	720	8784	
1	PACIFIC NORTHWEST.....														
2	WWP Capacity Sale SP-95 (92871).....														
3	Peak.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
4	Demand Rate.....	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90	5.90		
5	Total Revenue.....	295	295	295	295	295	295	295	295	295	295	295	295	3540	13,800
6	PP&L Capacity Sale PPL-90 (92497).....														
7	Peak.....	1100	1100	1100	1100	1100	1100	1100	1100	1100	925	925	925	12675	13069
8	Demand Rate.....	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08		
9	Total Revenue.....	6688	6688	6688	6688	6688	6688	6688	6688	6688	5624	5624	5624	77064	317,832
10	PGE Capacity Sale SP (94253).....														
11	Peak.....	90	90	150	150	150	90	0	0	0	0	0	0	720	1125
12	Demand Rate.....	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36		
13	Total Revenue.....	482	482	804	804	804	482	0	0	0	0	0	0	3859	24,120
14	Conservation Transfer SP-95 (92795,-7,-8).....														
15	Average.....	5	6	9	8	7	7	5	4	4	3	5	4	6	6
16	Energy Rate.....	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32		
17	Average Revenue.....	105	122	190	169	138	147	102	84	82	63	105	82	1389	5,665
18	Peak.....	7	8	12	12	10	8	8	7	6	7	5	6	96	98
19	Total Revenue.....	105	122	190	169	138	147	102	84	82	63	105	82	1389	5,665
20	Electric Ventures SP-95 (92759).....														
21	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Energy Rate.....														
23	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
24	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6
25	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
26	BPA to EWEB, Base Load (94831).....														
27	Average.....	31.5	77	98	105	84	56	35	0	0	0	0	0	41	42
28	Energy Rate.....	22.06	22.06	22.06	22.06	22.06	22.06	22.06	22.06	22.06	22.06	22.06	22.06		
29	Average Revenue.....	517	1224	1610	1725	1291	920	556	0	0	0	0	0	7844	30,808
30	Peak.....	45	110	140	150	120	80	50	0	0	0	0	0	695	714
31	Demand Rate.....	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32	2.32		
32	Peak Revenue.....	104	255	325	348	278	185	116	0	0	0	0	0	1611	6,356
33	Total Revenue.....	622	1479	1935	2073	1569	1105	672	0	0	0	0	0	9455	37,163
34	BPA to EWEB, Variable (94831).....														
35	Average.....	15	15	15	15	15	15	15	15	15	15	15	15	13	14
36	Energy Rate.....	23.75	23.75	23.75	23.75	23.75	23.75	23.75	23.75	23.75	23.75	23.75	23.75		
37	Average Revenue.....	265	257	265	265	248	265	257	265	257	265	265	265	2608	11,479
38	Peak.....	50	50	50	50	50	50	50	50	50	50	50	50	500	575
39	Demand Rate.....	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98	3.98		
40	Peak Revenue.....	199	199	199	199	199	199	199	199	199	199	199	199	1990	8,776
41	Total Revenue.....	464	455	464	464	447	464	455	464	455	464	455	464	4598	20,255
42	BPA to Western Oregon (94697).....														
43	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
44	Energy Rate.....	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00		
45	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,867
46	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	72
47	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,867
48	BPA to Lower Valley (94839).....														
49	Average.....	44	59	75	74	69	60	48	42	40	44	42	42	53	52
50	Energy Rate.....	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00		
51	Average Revenue.....	786	1020	1339	1321	1153	1071	829	750	691	786	750	726	11222	43,978
52	Peak.....	70	90	112	111	113	96	76	66	60	61	60	63	978	962
53	Total Revenue.....	786	1020	1339	1321	1153	1071	829	750	691	786	750	726	11222	43,978
54	BPA to WWP, Riverside (94667).....														
55	Average.....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
56	Energy Rate.....								21.69	21.67	25.67				
57	Average Revenue.....	0	0	0	0	0	0	0	403	390	477	0	0	1271	4,832
58	Peak.....	0	0	0	0	0	0	0	25	25	25	0	0	75	75
59	Total Revenue.....	0	0	0	0	0	0	0	403	390	477	0	0	1271	4,832

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63															
64															
65															
66															
67															
68 BPA to WWP, Clark (94779).....															
69 Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	61	
70 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
71 Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	42,984	
72 Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	925	
73 Demand Rate.....	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
74 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	18,500	
75 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	61,484	
76 BPA to PGE, Canby (94728).....															
77 Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
78 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
79 Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027	
80 Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	35	
81 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027	
82 PSP&L mSL-87 (92527).....															
83 Average.....	150	150	150	150	150	150	150	0	0	0	0	0	75	75	
84 Energy Rate.....	36.28	36.28	36.28	36.28	36.28	36.28	36.28								
85 Average Revenue.....	4049	3918	4049	4049	3788	4049	0	0	0	0	0	0	23901	95,213	
86 Peak.....	300	300	300	300	300	300	0	0	0	0	0	0	1800	1800	
87 Total Revenue.....	4049	3918	4049	4049	3788	4049	0	0	0	0	0	0	23901	95,213	
88 Spec sales: BPA to Marketers.....															
89 Average.....	332	332	332	332	332	332	332	332	332	332	332	332	332	241	
90 Energy Rate.....	24.12	24.19	24.12	24.87	25.09	24.87	23.19	15.42	15.49	17.60	21.66	24.19			
91 Average Revenue.....	5958	5782	5958	6143	5798	6143	5543	3809	3703	4347	5350	5782	64317	186,563	
92 Peak.....	397	397	397	397	397	397	397	397	397	397	397	397	4764	3360	
93 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
94 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 Total Revenue.....	5958	5782	5958	6143	5798	6143	5543	3809	3703	4347	5350	5782	64317	186,563	
96 Spec sales: BPA to IOUs.....															
97 Average.....	15	15	15	15	15	15	327	327	327	327	15	15	119	95	
98 Energy Rate.....	23.12	23.81	23.78	23.78	23.87	23.12	19.24	19.24	19.24	19.24	23.12	23.12			
99 Average Revenue.....	258	257	265	265	249	258	4530	4681	4530	4681	258	250	20482	65,043	
100 Peak.....	48	73	73	73	73	48	360	360	360	360	48	48	1924	1531	
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
103 Total Revenue.....	258	257	265	265	249	258	4530	4681	4530	4681	258	250	20482	65,043	
104															
105 Total PNW-OTFAC.....															
106 Average.....	593	654	694	699	672	635	762	745	743	746	394	393	644	601	
107 Average Revenue.....	11938	12580	13676	13937	12664	12854	11818	9992	9652	10620	6464	6839	133034	492944	
108 Peak.....	2157	2268	2384	2393	2363	2219	2091	2055	2048	1875	1485	1489	24827	24946	
109 Peak Revenue.....	7769	7919	8311	8334	8264	7850	7298	7182	7182	6118	5919	5919	88064	391410	
110 Total Revenue.....	19707	20500	21986	22271	20928	20704	19115	17174	16834	16738	12383	12758	221098	884354	

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118		Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Total/Av g							Av g/To				
119																									
120		744	720	744	744	696	744	720	744	720	744	744	720	8784											
121	PACIFIC SOUTHWEST.....																								
122	Anaheim SP-95 (92784).....																								
123	Peak.....	0	16	16	16	16	16	16	24	0	0	0	120	120											
124	Demand Rate.....	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23											
125	Total Revenue.....	0	100	100	100	100	100	100	150	0	0	0	748	2,946											
126	Riverside SP-95 (92858).....																								
127	Peak.....	0	16	16	16	16	16	16	23	0	0	0	119	119											
128	Demand Rate.....	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23	6.23											
129	Total Revenue.....	0	100	100	100	100	100	100	143	0	0	0	741	2,922											
130	Palo Alto SP (94508).....																								
131	Peak.....	20	0	0	0	0	0	0	0	0	0	20	60	60											
132	Demand Rate.....	3.40										3.40	3.40	3.40											
133	Total Revenue.....	68	0	0	0	0	0	0	0	0	0	68	68	204	781										
134	Burbank SP-95 (92411).....																								
135	Average.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16										
136	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78										
137	Average Revenue.....	357	250	259	247	212	236	239	414	519	579	605	543	4461	17,822										
138	Peak.....	40	20	20	20	20	20	20	40	40	40	40	40	360	360										
139	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91	6.91	6.91										
140	Peak Revenue.....	201	138	138	138	138	138	138	214	276	276	276	276	2349	9,398										
141	Total Revenue.....	558	389	397	386	350	374	378	628	795	856	881	819	6810	27,220										
142	Glendale SP-95 (92412).....																								
143	Average.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8										
144	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78										
145	Average Revenue.....	144	98	103	137	114	110	122	211	264	300	325	293	2220	8,867										
146	Peak.....	20	10	10	10	10	10	10	20	20	20	20	20	180	180										
147	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91	6.91	6.91										
148	Peak Revenue.....	100	69	69	69	69	69	69	107	138	138	138	138	1175	4,699										
149	Total Revenue.....	245	167	172	207	183	179	191	318	402	438	463	431	3394	13,566										
150	Pasadena SP-95 (92413).....																								
151	Average.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3										
152	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78										
153	Average Revenue.....	87	49	50	50	47	48	51	82	95	105	105	102	873	3,487										
154	Peak.....	6	6	6	6	6	6	6	6	6	6	6	6	72	72										
155	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91	6.91	6.91										
156	Peak Revenue.....	30	41	41	41	41	41	41	32	41	41	41	41	477	1,907										
157	Total Revenue.....	117	90	92	89	90	92	115	137	147	147	147	143	1350	5,395										
158	M-S-R SP-95 (92499).....																								
159	Average.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75										
160	Energy Rate.....	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0										
161	Average Revenue.....	3220	2109	1493	1532	1190	1272	1231	1332	2142	3237	3172	3250	25182	98,090										
162	Peak.....	150	150	150	150	150	150	150	150	150	150	150	150	1800	1800										
163	Demand Rate.....	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07	7.07										
164	Peak Revenue.....	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	1061	12726	49,608										
165	Total Revenue.....	4281	3170	2553	2593	2251	2333	2292	2392	3203	4298	4233	4311	37908	147,698										
166	SCE mSC-86 (92275).....																								
167	Average.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134										
168	Energy Rate.....	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2										
169	Average Revenue.....	3528	3784	3690	3690	3409	3652	3414	3528	3414	3528	3528	3414	42581	169,971										
170	Peak.....	250	250	250	250	250	250	250	250	250	250	250	250	3000	3000										
171	Total Revenue.....	3528	3784	3690	3690	3409	3652	3414	3528	3414	3528	3528	3414	42581	169,971										
172	Palo Alto SP- (94508).....																								
173	Average.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5										
174	Energy Rate.....								17.45	19.45	25.40														
175	Average Revenue.....	0	0	0	0	0	0	0	260	281	378	0	0	918	3,516										
176	Peak.....	0	0	0	0	0	0	0	20	20	20	0	0	60	60										
177	Demand Rate.....								3.40	3.40	3.40														
178	Peak Revenue.....	0	0	0	0	0	0	0	68	68	68	0	0	204	781										
179	Total Revenue.....	0	0	0	0	0	0	0	328	349	446	0	0	1122	4,297										
180	Total PSW-OTFAC.....																								
181	Average.....	270.6	240.2	207.8	210.2	197.7	197.8	194.6	229	268.9	308.5	288.4	292.1	242	242										
182	Average Revenue.....	7337	6291	5595	5657	4972	5318	5058	5827	6715	8128	7735	7602	76235	301,755										
183	Peak.....	486	468	468	468	468	468	468	533	486	486	486	486	5771	5771										
184	Peak Revenue.....	1458	1509	1509	1509	1509	1509	1509	1774	1585	1585	1585	1585	18624	73,042										
185	Total Revenue.....	8796	7799	7103	7166	6480	6827																		

Routing: MPPD		RATE DESIGN STUDY													SDC10
Date: April 13, 1999		Revenues from Surplus Firm Power Contracts													
Time: 10:26:41 AM		at Other Than Fully Allocated Cost													
		Average Megawatts, \$ Thousands													
		Test Period October 1996 - September 2001													
		A	B	C	D	E	F	G	H	I	J	K	L	M	5-Year
		Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Total/Av g	Avg/To
		744	720	744	744	672	744	720	744	720	744	744	720	8760	
1	PACIFIC NORTHWEST.....														
2	WWP Capacity Sale SP-95 (92871).....														
3	Peak.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
4	Demand Rate.....	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00		
5	Total Revenue.....	300	300	300	300	300	300	300	300	300	300	300	300	3600	17,400
6	PP&L Capacity Sale PPL-90 (92497).....														
7	Peak.....	925	925	925	925	925	925	925	925	925	925	925	925	11100	12675
8	Demand Rate.....	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08	6.08		
9	Total Revenue.....	5624	5624	5624	5624	5624	5624	5624	5624	5624	5624	5624	5624	67488	385,320
10	PGE Capacity Sale SP (94253).....														
11	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	900
12	Demand Rate.....	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36	5.36		
13	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	24,120
14	Conservation Transfer SP-95 (92795,-7,-8).....														
15	Average.....	5	6	10	8	7	7	6	5	4	0	0	0	5	6
16	Energy Rate.....	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32	28.32		
17	Average Revenue.....	105	122	211	169	133	147	122	105	82	0	0	0	1197	6,862
18	Peak.....	7	8	12	12	10	9	8	7	7	0	0	0	80	94
19	Total Revenue.....	105	122	211	169	133	147	122	105	82	0	0	0	1197	6,862
20	Electric Ventures SP-95 (92759).....														
21	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Energy Rate.....														
23	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	97
24	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
25	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
26	BPA to EWEB, Base Load (94831).....														
27	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	33
28	Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
29	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	30,808
30	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	571
31	Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
32	Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6,356
33	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	37,163
34	BPA to EWEB, Variable (94831).....														
35	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	12
36	Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
37	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	11,479
38	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	460
39	Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
40	Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	8,776
41	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	20,255
42	BPA to Western Oregon (94697).....														
43	Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
44	Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
45	Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,867
46	Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	58
47	Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,867
48	BPA to Lower Valley (94839).....														
49	Average.....	45	59	75	75	70	60	48	43	41	44	43	42	54	53
50	Energy Rate.....	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00		
51	Average Revenue.....	804	1020	1339	1339	1129	1071	829	768	708	786	768	726	11287	55,265
52	Peak.....	71	91	114	112	114	97	77	67	60	62	60	64	989	967
53	Total Revenue.....	804	1020	1339	1339	1129	1071	829	768	708	786	768	726	11287	55,265
54	BPA to WWP, Riverside (94667).....														
55	Average.....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
56	Energy Rate.....								22.45	22.43	26.57				
57	Average Revenue.....	0	0	0	0	0	0	0	418	404	494	0	0	1316	6,147
58	Peak.....	0	0	0	0	0	0	0	25	25	25	0	0	75	75
59	Total Revenue.....	0	0	0	0	0	0	0	418	404	494	0	0	1316	6,147



RATE DESIGN STUDY															SDC10
Revenues from Surplus Firm Power Contracts															
at Other Than Fully Allocated Cost															
Average Megawatts, \$ Thousands															
Test Period October 1996 - September 2001															
	A	B	C	D	E	F	G	H	I	J	K	L	M	5-Year	
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Total/Av g	Av g/To	
60 Routing: MPPD															
61 Date: April 13, 1999															
62 Time: 10:26:41 AM															
63															
64															
65															
66															
67															
68 BPA to WWP, Clark (94779).....															
69 Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	49	
70 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
71 Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	42,984	
72 Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	740	
73 Demand Rate.....	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00		
74 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	18,500	
75 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	61,484	
76 BPA to PGE, Canby (94728).....															
77 Average.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
78 Energy Rate.....	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00		
79 Average Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027	
80 Peak.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28	
81 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,027	
82 PSP&L mSL-87 (92527).....															
83 Average.....	150	150	150	150	150	150	150	0	0	0	0	0	75	75	
84 Energy Rate.....	36.28	36.28	36.28	36.28	36.28	36.28	36.28								
85 Average Revenue.....	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	118,984	
86 Peak.....	300	300	300	300	300	300	0	0	0	0	0	0	1800	1800	
87 Total Revenue.....	4049	3918	4049	4049	3657	4049	0	0	0	0	0	0	23771	118,984	
88 Spec sales: BPA to Marketers.....															
89 Average.....	395	395	395	395	395	395	395	395	395	332	332	332	379	269	
90 Energy Rate.....	24.12	24.19	24.12	24.87	25.09	24.87	23.19	15.42	15.49	17.60	21.66	24.19			
91 Average Revenue.....	7088	6880	7088	7309	6660	7309	6595	4532	4405	4347	5350	5782	73346	259,909	
92 Peak.....	476	476	476	476	476	476	476	476	476	397	397	397	5475	3783	
93 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
94 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
95 Total Revenue.....	7088	6880	7088	7309	6660	7309	6595	4532	4405	4347	5350	5782	73346	259,909	
96 Spec sales: BPA to IOUs.....															
97 Average.....	29	29	29	29	29	29	383	383	383	383	29	29	147	106	
98 Energy Rate.....	23.12	23.81	23.78	23.78	23.87	23.12	19.24	19.24	19.24	19.24	23.12	23.12			
99 Average Revenue.....	499	497	513	513	465	499	5306	5482	5306	5482	499	483	25544	90,587	
100 Peak.....	62	94	94	94	94	62	416	416	416	416	62	62	2288	1682	
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
103 Total Revenue.....	499	497	513	513	465	499	5306	5482	5306	5482	499	483	25544	90,587	
104															
105 Total PNW-OTFAC.....															
106 Average.....	624	639	659	657	651	641	832	851	848	784	404	403	666	614	
107 Average Revenue.....	12545	12437	13200	13378	12044	13075	12853	11305	10905	11110	6617	6991	136460	629404	
108 Peak.....	1891	1944	1971	1969	1969	1919	1952	1966	1959	1875	1494	1498	22407	24438	
109 Peak Revenue.....	5924	5924	5924	5924	5924	5924	5924	5924	5924	5924	5924	5924	71088	462498	
110 Total Revenue.....	18468	18361	19124	19302	17968	18999	18777	17229	16829	17034	12541	12915	207548	1091902	

111	RATE DESIGN STUDY														SDC10
112	Revenues from Surplus Firm Power Contracts														
113	at Other Than Fully Allocated Cost														
114	Average Megawatts, \$ Thousands														
115	Test Period October 1996 - September 2001														
116															
117	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	5-Year	
118	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Total	Avg/To	
119															
120	744	720	744	744	672	744	720	744	720	744	744	720	8760		
121	PACIFIC SOUTHWEST.....														
122	Anaheim SP-95 (92784).....														
123	Peak.....	0	16	16	16	16	16	24	0	0	0	0	120	120	
124	Demand Rate.....	6.29	6.29	6.29	6.29	6.29	6.29	6.29	6.29						
125	Total Revenue.....	0	101	101	101	101	101	151	0	0	0	0	755	3,701	
126	Riverside SP-95 (92858).....														
127	Peak.....	0	16	16	16	16	16	23	0	0	0	0	119	119	
128	Demand Rate.....	6.29	6.29	6.29	6.29	6.29	6.29	6.29							
129	Total Revenue.....	0	101	101	101	101	101	145	0	0	0	0	749	3,671	
130	Palo Alto SP (94508).....														
131	Peak.....	20	0	0	0	0	0	0	0	0	20	20	60	60	
132	Demand Rate.....	3.51									3.51	3.51			
133	Total Revenue.....	70.2	0	0	0	0	0	0	0	0	70.2	70.2	211	992	
134	Burbank SP-95 (92411).....														
135	Average.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
136	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78		
137	Average Revenue.....	357	250	259	247	205	236	239	414	519	579	605	543	4454	22,276
138	Peak.....	40	20	20	20	20	20	20	40	40	40	40	40	360	360
139	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91		
140	Peak Revenue.....	201	138	138	138	138	138	214	276	276	276	276	2349	11,747	
141	Total Revenue.....	558	389	397	386	343	374	378	628	795	856	881	819	6803	34,023
142	Glendale SP-95 (92412).....														
143	Average.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
144	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78		
145	Average Revenue.....	144	98	103	137	110	110	122	211	264	300	325	293	2216	11,083
146	Peak.....	20	10	10	10	10	10	10	20	20	20	20	20	180	180
147	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91		
148	Peak Revenue.....	100	69	69	69	69	69	69	107	138	138	138	138	1175	5,874
149	Total Revenue.....	245	167	172	207	179	179	191	318	402	438	463	431	3390	16,956
150	Pasadena SP-95 (92413).....														
151	Average.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
152	Energy Rate.....	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78	30.78		
153	Average Revenue.....	87	49	50	50	46	48	51	82	95	105	105	102	871	4,359
154	Peak.....	6	6	6	6	6	6	6	6	6	6	6	6	72	72
155	Demand Rate.....	5.02	6.91	6.91	6.91	6.91	6.91	6.91	5.35	6.91	6.91	6.91	6.91		
156	Peak Revenue.....	30	41	41	41	41	41	41	32	41	41	41	41	477	954
157	Total Revenue.....	117	90	92	92	87	90	92	115	137	147	147	143	1348	6,743
158	M-S-R SP-95 (92499).....														
159	Average.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
160	Energy Rate.....	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7		
161	Average Revenue.....	3279	2148	1520	1561	1170	1296	1254	1356	2182	3297	3231	3310	25604	123,694
162	Peak.....	150	150	150	150	150	150	150	150	150	150	150	150	1800	1800
163	Demand Rate.....	7.19	7.19	7.19	7.19	7.19	7.19	7.19	7.19	7.19	7.19	7.19	7.19		
164	Peak Revenue.....	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	1079	12942	62,550
165	Total Revenue.....	4358	3227	2599	2639	2249	2374	2332	2435	3260	4375	4309	4389	38546	186,244
166	SCE mSC-86 (92275).....														
167	Average.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
168	Energy Rate.....	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2		
169	Average Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463	212,435
170	Peak.....	250	250	250	250	250	250	250	250	250	250	250	250	3000	3000
171	Total Revenue.....	3528	3784	3690	3690	3291	3652	3414	3528	3414	3528	3528	3414	42463	212,435
172	Palo Alto SP- (94508).....														
173	Average.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
174	Energy Rate.....								17.98	20.08	26.17				
175	Average Revenue.....	0	0	0	0	0	0	0	268	289	389	0	0	946	4,462
176	Peak.....	0	0	0	0	0	0	0	20	20	20	0	0	60	60
177	Demand Rate.....								3.51	3.51	3.51				
178	Peak Revenue.....	0	0	0	0	0	0	0	70.2	70.2	70.2	0	0	211	992
179	Total Revenue.....	0	0	0	0	0	0	0	338	359	460	0	0	1157	5,454
180	Total PSW-OTFAC.....														
181	Average.....	270.6	240.2	207.8	210.2	197.7	197.8	194.6	229	268.9	308.5	288.4	292.1	242	242
182	Average Revenue.....	7396	6329	5622	5685	4822	5342	5080	5859	6763	8199	7794	7662	76555	378,309
183	Peak.....	486	468	468	468	468	468	468	533	486	486	486	486	5771	5771
184	Peak Revenue.....	1480	1529	1529	1529	1529	1529	1529	1798	1605	1605	1605	1605	18868	91,910
185	Total Revenue.....	8876	7858	7151	7214	6350	6870	6609	7657	8368	9804	9399	9267	95422	470,219
186															
187	Total PNW & PSW-OTFAC.....														
188	Average.....	895	879	867	867	849	839	1027	1080	1117	1093	692	695	908	856
189	Average Revenue.....	19941	18766	18822	19064	16866	18417	17933	17164	17668	19309	14411	14653	213014	1007714
190	Peak.....	2377	2412	2439	2437	2437	2387	2420	2499	2445	2361	1980	1984	28178	30209
191	Peak Revenue.....	7404	7453	7453	7453	7453	7453	7453	7722	7529	7529	7529	7529	89956	554408
192	Total Revenue.....	27345	26219	26275	26517	24318	25870	25386	24886	25196	26838	21939	22182	302970	1562121

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SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Avg/Tot	FY 1997
1 DEMAND LOADS (BPA to ___).....														
2 Pacific Northwest.....														
3 WWP (94519).....	23	23	21	29	29	29	27	11	11	32	32	32	25	
4 Total (PNW).....	23	23	21	29	29	29	27	11	11	32	32	32	25	
5 Pacific Southwest.....														
6 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
7 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
8 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
9 Pasadena [2] (93658).....	0	0	0	0	0	0	0	15	15	15	15	15	6	
10 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
12 Anaheim (92784).....	24	0	0	0	0	0	0	0	24	24	24	24	10	
13 Riverside [1] (92858).....	23	0	0	0	0	0	0	0	23	23	23	23	10	
14 Riverside [2] (93958).....	50	13	13	13	13	13	13	50	50	50	50	50	32	
15 Imperial Irrig. (94277).....	50	0	0	0	0	0	0	50	50	50	50	50	25	
16 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 Total (PSW).....	147	13	13	13	13	13	13	115	162	162	162	162	82	
19 Total (PNW + PSW).....	170	36	34	42	42	42	40	126	173	194	194	194	107	
20														
21 ENERGY LOADS (BPA to ___).....														
22 Peaking Energy.....														
23 Pacific Northwest.....														
24 WWP (94519).....	23	22	21	28	28	28	26	11	11	31	31	31	24	
25 Total (PNW).....	23	22	21	28	28	28	26	11	11	31	31	31	24	
26 Pacific Southwest.....														
27 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
28 Riverside [2] (93958).....	0	0	0	0	0	0	0	20	21	0	0	0	3	
29 Imperial Irrig. (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	
30 Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
31 Total (PSW).....	0	0	0	0	0	0	0	41	42	0	0	0	7	
32 Total (PNW + PSW).....	23	22	21	28	28	28	26	52	53	31	31	31	31	
33														
34 ENERGY RESOURCES (___ to BPA)														
35 Pacific Northwest.....														
36 Replacement Energy.....														
37 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
38 Total.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
39 Exchange Energy (PNW).....														
40 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
41 Total.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
42 Total (PNW).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
43 Pacific Southwest.....														
44 Replacement Energy.....														
45 SDG&E (93373).....	102	102	102	102	102	0	0	0	0	0	0	0	43	
46 Riverside [2] (93958).....	0	8	8	8	8	8	4	0	0	0	0	0	4	
47 Imperial Irrig. (94277).....	7	7	7	7	7	0	0	0	0	0	0	7	4	
48 Pasadena [2] (93658).....	1	1	1	1	1	0	0	0	0	0	0	1	1	
49 Generic Exchange.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
50 Total.....	110	118	118	118	118	8	4	0	0	0	0	8	50	
51 Exchange Energy.....														
52 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
53 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
54 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
55 Pasadena [2] (93658).....	3	3	3	3	3	2	0	0	0	0	0	3	2	
56 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
57 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
58 Anaheim (92784).....	6	6	6	6	6	6	3	0	0	0	0	0	3	
59 Riverside [1] (92858).....	6	6	6	6	6	6	3	0	0	0	0	0	3	
60 Riverside [2] (93958).....	13	3	3	3	3	3	3.5	0	0	13	13	13	6	
61 Imperial Irrig. (94277).....	15	15	15	15	15	0	0	0	0	0	0	15	8	
62 SDG&E (93373).....	48	48	48	48	48	0	0	0	0	0	0	0	20	
63 Generic Exchange.....													#DIV/0!	
64 Total.....	91	81	81	81	81	17	9.5	0	0	13	13	31	42	
65 Total (repl + exch).....	201	199	199	199	199	25	13.5	0	0	13	13	39	92	
66 Total (PNW + PSW).....	201	199	199	199	199	25	13.5	0	0	13	13	39	92	

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SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	FY 1998 Avg/Tot	2-Year Avg/Tot
<b>1 DEMAND LOADS (BPA to ___)</b> .....														
<b>2 Pacific Northwest</b> .....														
3 WWP (94519).....	32	32	29	32	31	32	30	12	13	35	35	35	29	27
4 <b>Total (PNW)</b> .....	32	32	29	32	31	32	30	12	13	35	35	35	29	27
<b>5 Pacific Southwest</b> .....														
6 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658).....	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784).....	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858).....	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958).....	50	13	13	13	13	13	13	60	60	60	60	60	36	34
15 Imperial Irrig. (94277).....	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 <b>Generic Exchange</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 <b>Total (PSW)</b> .....	147	13	13	13	13	13	13	125	172	172	172	172	87	84
19 <b>Total (PNW + PSW)</b> .....	179	45	42	45	44	45	43	137	185	207	207	207	116	111
20														
<b>21 ENERGY LOADS (BPA to ___)</b> .....														
<b>22 Peaking Energy</b> .....														
<b>23 Pacific Northwest</b> .....														
24 WWP (94519).....	31	31	28	31	30	31	29	12	12	35	35	35	28	26
25 <b>Total (PNW)</b> .....	31	31	28	31	30	31	29	12	12	35	35	35	28	26
<b>26 Pacific Southwest</b> .....														
27 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
29 Imperial Irrig. (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
30 <b>Generic Exchange</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 <b>Total (PSW)</b> .....	0	0	0	0	0	0	0	45	46	0	0	0	8	7
32 <b>Total (PNW + PSW)</b> .....	31	31	28	31	30	31	29	57	58	35	35	35	36	34
33														
<b>34 ENERGY RESOURCES (___ to BPA)</b> .....														
<b>35 Pacific Northwest</b> .....														
<b>36 Replacement Energy</b> .....														
37 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 <b>Total</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>39 Exchange Energy (PNW)</b> .....														
40 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 <b>Total</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 <b>Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>43 Pacific Southwest</b> .....														
<b>44 Replacement Energy</b> .....														
45 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	21
46 Riverside [2] (93958).....	0	8	8	8	8	8	4	0	0	0	0	0	4	4
47 Imperial Irrig. (94277).....	7	7	7	7	7	7	0	0	0	0	0	7	4	4
48 Pasadena [2] (93658).....	1	1	1	1	1	0	0	0	0	0	0	1	1	1
49 <b>Generic Exchange</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 <b>Total</b> .....	8	16	16	16	16	8	4	0	0	0	0	8	8	29
51 <b>Exchange Energy</b> .....														
52 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Pasadena [2] (93658).....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
56 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Anaheim (92784).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
59 Riverside [1] (92858).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
60 Riverside [2] (93958).....	13	3	3	3	3	3	3.5	0	0	16	16	16	7	6
61 Imperial Irrig. (94277).....	15	15	15	15	15	0	0	0	0	0	0	14	7	7
62 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	10
63 <b>Generic Exchange</b> .....													#DIV/0!	#DIV/0!
64 <b>Total</b> .....	43	33	33	33	33	17	9.5	0	0	16	16	33	22	32
65 <b>Total (repl + exch)</b> .....	51	49	49	49	49	25	13.5	0	0	16	16	41	30	61
66 <b>Total (PNW + PSW)</b> .....	51	49	49	49	49	25	13.5	0	0	16	16	41	30	61

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	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Avg/Tot	3-Year
													FY 1999	Avg/Tot
1 DEMAND LOADS (BPA to ___)														
2 Pacific Northwest														
3 WWP (94519)	35	35	32	32	31	32	30	12	13	35	35	35	30	28
4 Total (PNW)	35	35	32	32	31	32	30	12	13	35	35	35	30	28
5 Pacific Southwest														
6 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658)	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784)	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858)	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958)	60	15	15	15	15	15	15	60	60	60	60	60	38	35
15 Imperial Irrig. (94277)	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Generic Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total (PSW)	157	15	15	15	15	15	15	125	172	172	172	172	88	86
19 Total (PNW + PSW)	192	50	47	47	46	47	45	137	185	207	207	207	118	114
20														
21 ENERGY LOADS (BPA to ___)														
22 Peaking Energy														
23 Pacific Northwest														
24 WWP (94519)	35	35	31	31	30	31	29	12	12	35	35	34	29	27
25 Total (PNW)	35	35	31	31	30	31	29	12	12	35	35	34	29	27
26 Pacific Southwest														
27 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Riverside [2] (93958)	0	0	0	0	0	0	0	24	25	0	0	0	4	4
29 Imperial Irrig. (94277)	0	0	0	0	0	0	0	21	21	0	0	0	4	4
30 Generic Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Total (PSW)	0	0	0	0	0	0	0	45	46	0	0	0	8	7
32 Total (PNW + PSW)	35	35	31	31	30	31	29	57	58	35	35	34	37	35
33														
34 ENERGY RESOURCES (___ to BPA)														
35 Pacific Northwest														
36 Replacement Energy														
37 WWP (94519)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Exchange Energy (PNW)														
40 WWP (94519)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Total (PNW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Pacific Southwest														
44 Replacement Energy														
45 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	14
46 Riverside [2] (93958)	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
47 Imperial Irrig. (94277)	7	7	7	7	7	7	0	0	0	0	0	7	4	4
48 Pasadena [2] (93658)	1	1	1	1	1	0	0	0	0	0	0	1	1	1
49 Generic Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Total	8	17	17	17	17	9	4.5	0	0	0	0	8	8	22
51 Exchange Energy														
52 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Pasadena [2] (93658)	3	3	3	3	3	2	0	0	0	0	0	3	2	2
56 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Anaheim (92784)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
59 Riverside [1] (92858)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
60 Riverside [2] (93958)	16	4	4	4	4	4	4	0	0	16	16	16	7	7
61 Imperial Irrig. (94277)	14	15	15	15	15	0	0	0	0	0	0	14	7	7
62 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	7
63 Generic Exchange													#DIV/0!	#DIV/0!
64 Total	45	34	34	34	34	18	10	0	0	16	16	33	23	29
65 Total (repl + exch)	53	51	51	51	51	27	14.5	0	0	16	16	41	31	51
66 Total (PNW + PSW)	53	51	51	51	51	27	14.5	0	0	16	16	41	31	51

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SURPLUS/DEFICIT CALCULATION  
 Post-Act Exchange Contracts  
 Megawatts  
 Test Period October 1996 - September 2001

SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000 Avg/Tot	4-Year Avg/Tot
1 DEMAND LOADS (BPA to ___)														
2 Pacific Northwest														
3 WWP (94519)	35	35	32	32	31	32	29	12	13	0	0	0	21	26
4 Total (PNW)	35	35	32	32	31	32	29	12	13	0	0	0	21	26
5 Pacific Southwest														
6 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658)	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784)	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858)	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958)	60	15	15	15	15	15	15	60	60	60	60	60	38	36
15 Imperial Irrig. (94277)	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Generic Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 Total (PSW)	157	15	15	15	15	15	15	125	172	172	172	172	88	86
19 Total (PNW + PSW)	192	50	47	47	46	47	44	137	185	172	172	172	109	113
20														
21 ENERGY LOADS (BPA to ___)														
22 Peaking Energy														
23 Pacific Northwest														
24 WWP (94519)	35	34	31	31	30	31	29	12	12	0	0	0	20	26
25 Total (PNW)	35	34	31	31	30	31	29	12	12	0	0	0	20	26
26 Pacific Southwest														
27 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Riverside [2] (93958)	0	0	0	0	0	0	0	24	25	0	0	0	4	4
29 Imperial Irrig. (94277)	0	0	0	0	0	0	0	21	21	0	0	0	4	4
30 Generic Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 Total (PSW)	0	0	0	0	0	0	0	45	46	0	0	0	8	7
32 Total (PNW + PSW)	35	34	31	31	30	31	29	57	58	0	0	0	28	33
33														
34 ENERGY RESOURCES (___ to BPA)														
35 Pacific Northwest														
36 Replacement Energy														
37 WWP (94519)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
39 Exchange Energy (PNW)														
40 WWP (94519)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 Total (PNW)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Pacific Southwest														
44 Replacement Energy														
45 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	11
46 Riverside [2] (93958)	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
47 Imperial Irrig. (94277)	7	7	7	7	7	0	0	0	0	0	0	7	4	4
48 Pasadena [2] (93658)	1	1	1	1	1	0	0	0	0	0	0	1	1	1
49 Generic Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 Total	8	17	17	17	17	9	4.5	0	0	0	0	8	8	19
51 Exchange Energy														
52 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Pasadena [2] (93658)	3	3	3	3	3	2	0	0	0	0	0	3	2	2
56 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Anaheim (92784)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
59 Riverside [1] (92858)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
60 Riverside [2] (93958)	16	4	4	4	4	4	4	0	0	16	16	16	7	7
61 Imperial Irrig. (94277)	14	15	15	15	15	0	0	0	0	0	0	14	7	7
62 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	5
63 Generic Exchange													#DIV/0!	#DIV/0!
64 Total	45	34	34	34	34	18	10	0	0	16	16	33	23	27
65 Total (repl + exch)	53	51	51	51	51	27	14.5	0	0	16	16	41	31	46
66 Total (PNW + PSW)	53	51	51	51	51	27	14.5	0	0	16	16	41	31	46

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SURPLUS/DEFICIT CALCULATION  
 Post-Act Exchange Contracts  
 Megawatts  
 Test Period October 1996 - September 2001

SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Avg/Tot	5-Year Avg/Tot
<b>1 DEMAND LOADS (BPA to ___)</b> .....														
<b>2 Pacific Northwest</b> .....														
3 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	21
4 <b>Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	21
<b>5 Pacific Southwest</b> .....														
6 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658).....	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784).....	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858).....	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958).....	60	15	15	15	15	15	15	60	60	60	60	60	38	36
15 Imperial Irrig. (94277).....	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 <b>Generic Exchange</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18 <b>Total (PSW)</b> .....	157	15	15	15	15	15	15	125	172	172	172	172	88	87
19 <b>Total (PNW + PSW)</b> .....	157	15	15	15	15	15	15	125	172	172	172	172	88	108
20														
<b>21 ENERGY LOADS (BPA to ___)</b> .....														
<b>22 Peaking Energy</b> .....														
<b>23 Pacific Northwest</b> .....														
24 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	20
25 <b>Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	20
<b>26 Pacific Southwest</b> .....														
27 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
29 Imperial Irrig. (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
30 <b>Generic Exchange</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31 <b>Total (PSW)</b> .....	0	0	0	0	0	0	0	45	46	0	0	0	8	7
32 <b>Total (PNW + PSW)</b> .....	0	0	0	0	0	0	0	45	46	0	0	0	8	28
33														
<b>34 ENERGY RESOURCES (___ to BPA)</b> .....														
<b>35 Pacific Northwest</b> .....														
<b>36 Replacement Energy</b> .....														
37 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 <b>Total</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>39 Exchange Energy (PNW)</b> .....														
40 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41 <b>Total</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42 <b>Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>43 Pacific Southwest</b> .....														
<b>44 Replacement Energy</b> .....														
45 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	9
46 Riverside [2] (93958).....	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
47 Imperial Irrig. (94277).....	7	7	7	7	7	7	0	0	0	0	0	7	4	4
48 Pasadena [2] (93658).....	1	1	1	1	1	1	0	0	0	0	0	1	1	1
49 <b>Generic Exchange</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 <b>Total</b> .....	8	17	17	17	17	9	4.5	0	0	0	0	8	8	16
<b>51 Exchange Energy</b> .....														
52 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 Pasadena [2] (93658).....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
56 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
58 Anaheim (92784).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
59 Riverside [1] (92858).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
60 Riverside [2] (93958).....	16	4	4	4	4	4	4	0	0	16	16	16	7	7
61 Imperial Irrig. (94277).....	14	15	15	15	15	0	0	0	0	0	0	14	7	7
62 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
63 <b>Generic Exchange</b> .....													#DIV/0!	#DIV/0!
64 <b>Total</b> .....	45	34	34	34	34	18	10	0	0	16	16	33	23	26
65 <b>Total (repl + exch)</b> .....	53	51	51	51	51	27	14.5	0	0	16	16	41	31	43
66 <b>Total (PNW + PSW)</b> .....	53	51	51	51	51	27	14.5	0	0	16	16	41	31	43

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	FY 1996 : Annual	Aug-Feb
Energy														
1 Loss factor Network.....	1.025	1.027	1.029	1.030	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
2 Loss factor PSW Intertie...	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038	1.038		
3 Loss factor Combined.....	1.064	1.066	1.068	1.069	1.067	1.066	1.065	1.064	1.064	1.063	1.063	1.062		
4 Hours/1000.....	0.744	0.720	0.744	0.744	0.696	0.744	0.720	0.744	0.720	0.744	0.744	0.720	8.784	5.112
5 Loss factor DSI	1.027	1.029	1.031	1.031	1.031	1.029	1.028	1.027	1.027	1.026	1.026	1.026		
6														
18	oct	nov	dec	jan	feb	mar	apr	may	jun	jul	aug	sep		
19 Capacity														
20 Loss factor Network.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.028		
21 Loss factor PSW Intertie...	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.039	1.039		
22 Loss factor Combined.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.068	1.068		
23														
94 <b>INPUTS (SDC)</b>														
95 <b>SDC05</b>														
96 PNW Surplus Firm Power Contracts-FAC														
97 Energy ..(there are none).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99														
100 PSW Surplus Firm Power Contracts-FAC														
101 Energy ..(there are none).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103														
104 Other New Resource Firm (made-up load)														
105 Energy .....	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	0.9	1.1
105 Energy .....	9	11	12	13	12	11	10	9	9	8	8	8	9	11
107														
108 SP Open Market Shaping Factor (07-11-92)	0.209	0.156	0.181	0.000	0.000	0.095	0.211	0.000	0.089	0.000	0.000	0.059	0.209	0.156
109 (May not be used in Ralphs code)														
110														
FROM BILL LEONARD														
127 RAV.I.PUMP = IRRIG PUMPING POWER	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Oct-97	Nov-97
	3	0	0	0	0	0	7	25	34	40	40	26	3	0



O

Mar-Apr    May-Jul

1.464    2.208

Provided by Tim ( not f from TABLEAU).

Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98
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	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	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8
12	13	12	11	10	9	9	8	8	8	9	11	12	13	12	11	10	9	9	8	8
0.181	0.000	0.000	0.095	0.211	0.000	0.089	0.000	0.000	0.059	0.209	0.156	0.181	0.000	0.000	0.095	0.211	0.000	0.089	0.000	0.000
Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99
0	0	0	0	7	25	34	40	40	26	3	0	0	0	0	0	7	25	34	40	40

Sep-98	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00
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	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	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.8	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9
8	9	11	12	13	12	11	10	9	9	8	8	8	9	11	12	13	12	11	10	9
0.059	0.209	0.156	0.181	0.000	0.000	0.095	0.211	0.000	0.089	0.000	0.000	0.059	0.209	0.156	0.181	0.000	0.000	0.095	0.211	0.000
Sep-99	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01
26	3	0	0	0	0	0	7	25	34	40	40	26	3	0	0	0	0	0	7	25

Jun-00	Jul-00	Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01
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	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	0	0	0	0
0.9	0.8	0.8	0.8	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8
9	8	8	8	9	11	12	13	12	11	10	9	9	8	8	8
0.089	0.000	0.000	0.059	0.209	0.156	0.181	0.000	0.000	0.095	0.211	0.000	0.089	0.000	0.000	0.059

Jun-01	Jul-01	Aug-01	Sep-01
34	40	40	26

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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Average

1 LOADS

2 Exports to PSW (L/R Table A-2)

3	BPA to Burbank, Power Sale (92411).....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16
4	BPA to Glendale, Power Sale (92412).....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8
5	BPA to Pasadena [1], Power Sale (92413).....	3.8	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	4.6	3
6	BPA to Pasadena [2], Pkng/Nrg.(93658).....	0	0	0	0	0	0	0	2	2	0	0	0	0
7	BPA to SCE [1], Power Sale (92275).....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134
8	BPA to SCE [2], Env Storage (94507).....	0	0	0	0	0	0	18	36	36	18	0	0	9
9	BPA to M-S-R, Power Sale (92499).....	114	77	53	54	45	45	45	47	78	115	112	119	75
10	BPA to SDG&E, C/E Exch. Pkng/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA to Riverside [2] (93958).....	0	0	0	0	0	0	0	20	21	0	0	0	3
12	BPA to Palo Alto, Power Sale (94508).....	0	0	0	0	0	0	0	20	20	20	0	0	5
13	BPA to Imperial Irrigation Pkng/Nrg (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4
14	BPA to Vernon (94672).....	0	0	0	0	0	0	0	36	36	36	0	0	9
15	BPA to Azusa, exch energy (94883).....	0	0	0	0	0	0	0	22	22	23	0	0	6
16	BPA to Azusa Power Sale (94883).....	0	0	0	0	0	0	0	2	2	2	0	0	1
17	BPA to ABC C/E (94811- 5 & 6a).....	0	0	0	0	0	0	0	0	0	0	0	0	0
18	BPA to ABC C/E (94811- 6b).....	0	0	0	0	0	0	0	0	0	0	0	0	0
19	BPA NW/SW Int loss.....	8.	7	6	6	6	6	6.5	9	10	10	9	9	8

Contract delivers returns to BPA in the test period (line 64)

20 Exports to Canada (L/R Table A-2)

21	BPA Can. Ent. to BCHydro.....	0.	0	0	0	0	0	0	0	0	0	0	0	0
22	<b>Total Exports.....</b>	<b>278.6</b>	<b>247.2</b>	<b>213.8</b>	<b>216.2</b>	<b>203.7</b>	<b>203.8</b>	<b>219.1</b>	<b>377</b>	<b>418.9</b>	<b>397.5</b>	<b>297.4</b>	<b>301.1</b>	<b>281</b>

Match with Fed Table 2, line 9

23 Contracts Out (L/R Table A-16)

24	BPA to EWEB, Base Load (94831).....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42
25	BPA to EWEB, Variable (94831).....	15	15	15	15	15	15	15	15	15	15	15	15	15
26	BPA to Western Oregon (94697).....	7	9	9	10	9	8	8	7	7	6	6	7	8
27	BPA to Lower Valley (94839).....	42	57	72	72	67	58	46	41	39	42	41	40	51
28	BPA to WWP, Xchg (94519).....	23	22	21	28	28	28	26	11	11	31	31	31	24
29	BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6
30	BPA to WWP, Clark (94779).....	100	175	175	175	175	175	100	100	100	100	100	100	131
31	BPA to PSP&L, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0
32	BPA to PSP&L, Power Sale (92527).....	150	150	150	150	150	150	0	0	0	0	0	0	75
33	BPA to PSP&L, Baker Hd Loss.....	0	2	2	2	2	0	0	0	0	0	0	0	1
34	BPA to PP&L, S. Idaho.....	108.	161	215	189	145	117	90	0	18	34	13	42	94
35	BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60
36	BPA to PGE, Canby (94728).....	13	16	18	17	16	14	13	12	10	10	0	0	12
37	BPA to Cowlitz, SP sale (95084).....	150	150	150	150	150	150	150	150	150	150	150	150	150
38	BPA to WWP, Power Sale (95104).....	115	115	115	115	115	115	115	115	115	115	115	115	115
39	BPA to PacifiCorp (99116).....	50	50	50	0	0	0	0	0	0	0	0	0	13
40	BPA to Salem Electric, SP sale (95216).....	0	0	0	0	0	0	0	0	0	0	0	7	1
41	BPA to ____, Total WNP3 Settlement.....	0	305	305	308	308	153	153	0	0	0	0	0	128
42	Forecasted sales: BPA to Marketers.....	139	139	139	139	139	139	139	139	139	139	139	139	139
43	Forecasted sales: BPA to IOUs.....	0	0	0	0	0	0	211	211	211	211	0	0	70
44	<b>Total.....</b>	<b>988.5</b>	<b>1488</b>	<b>1579</b>	<b>1520</b>	<b>1448</b>	<b>1223</b>	<b>1176</b>	<b>901</b>	<b>915</b>	<b>953</b>	<b>688.5</b>	<b>735</b>	<b>1135</b>

Match with Fed Table 2, line 10

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**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Average		
<b>45 RESOURCES</b>															
<b>46 Imports (L/R Table A-5)</b>															
47	SCE [1] to BPA, Cap/Nrg Xchg (92275).....	0	0	0	0	0	0	0	0	0	0	0	0		
48	SCE [1] to BPA, Supplemental Nrg (92275).....	0	42	84	84	84	84	42	0	0	0	0	0	35	
49	SCE [1] to BPA, Option Nrg (92275).....	0	0	0	142	285	285	142.5	0	0	0	0	0	71	
50	SCE [2] to BPA, Env Storage (94507).....	0	15	30	30	30	0	0	0	0	0	0	0	9	
51	Burbank to BPA, Cap/Nrg Xchg (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
52	Glendale to BPA, Cap/Nrg Xchg (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
53	Pasadena [1] to BPA, Cap/Nrg Xch (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
54	Pasadena [2] to BPA, Repl/Nrg (93658).....	1	1	1	1	1	0	0	0	0	0	1	1		
55	Pasadena [2] to BPA, Exch/Nrg (93658).....	3	3	3	3	3	2	0	0	0	0	3	2		
56	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	0	3	
57	Anaheim to BPA, Energy Exch (92784).....	6	6	6	6	6	6	3	0	0	0	0	0	3	
58	Riverside [1] to BPA, Energy Exch (92858).....	6	6	6	6	6	6	3	0	0	0	0	0	3	
59	Riverside [2] to BPA, Repl/Nrg (93958).....	0	8	8	8	8	8	4	0	0	0	0	0	4	
60	Riverside [2] to BPA, Exch/Nrg (93958).....	13	3	3	3	3	3	3.5	0	13	13	13	6		
61	Imperial Irrig. to BPA, Seas return (94277).....	7	7	7	7	7	0	0	0	0	0	7	4		
62	Imperial Irrig. to BPA, Exch/Nrg (94277).....	15	15	15	15	15	0	0	0	0	0	15	8		
63	Basin Electric to BPA, Purchase (94460).....	96	96	96	96	96	96	57.5	0	0	0	96	61		
64	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	
65	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	60		
66	SDG&E to BPA, C/E Exch. Repl/Nrg (93373).....	102	102	102	102	102	0	0	0	0	0	0	43		
67	SDG&E to BPA, C/E Exch. xch/Nrg (93373).....	48	48	48	48	48	0	0	0	0	0	0	20		
68	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0		
69	Vernon to BPA, Exch.....	27	27	27	0	0	0	0	0	0	0	0	7		
70	Azusa to BPA, Exch.....	15	14	14	0	0	0	0	0	0	0	0	4		
71	ABC to BPA C/E (94811- Section 4).....	0	7	7	7	7	0	0	0	0	0	0	2		
72	PowerEx to BPA (94836 -sec 6b of 94811).....	0	0	0	0	0	0	0	0	0	0	0	0		
73	M-S-R to BPA, Cap/Nrg Xchg (92499).....	0	0	0	0	0	0	0	0	0	0	0	0		
74	Total.....	492	610	725	800	899	660	424.5	75	93	122	101	252	438	match with Fed Table 2, line 33
<b>75 Contracts In (L/R Table A-16)</b>															
76	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	29	29	29		
77	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0		
78	WWP to BPA, Xchg (94519).....	0	0	0	0	0	0	0	0	0	0	0	0		
79	PSP&L to BPA, Purchase (letter).....	80	102	59	88	117	137	57	0	0	0	0	53		
80	PSP&L to BPA, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0		
81	Other entities to BPA, Purchase.....	69	69	69	69	69	69	69	69	69	69	69	69		
82	---placeholder---														
83	---placeholder---														
84	---placeholder---														
85	___ to BPA, Total WNP3 Settlement.....	251	251	251	251	251	250	251	0	251	0	258	189		
86	Total.....	429	451	408	437	466	485	406	98	349	98	98	356	340	match with Fed Table 2, line 34
<b>87 Non-Utility Generation</b>															
88	Clearwater Fish Hatchery.....	0	0	0	0	0	0	0	0	0	0	0	0		
89	Wyoming Wind.....	0	0	0	0	0	0	0	0	0	0	0	0		
90	Cares Flow Wind Project.....	0	5.4	6.5	5.7	6.2	7.3	3.8	8.6	9.8	8.1	7.2	7.4	6	
91	Total.....	0	5	7	6	6	7	4	9	10	8	7	7	6	match with Fed Table 2, line 36

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 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	FY 1998	2-Year	
														Average	Average
<b>1 LOADS</b>															
<b>2 Exports to PSW (L/R Table A-2)</b>															
3 BPA to Burbank, Power Sale (92411).....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16	
4 BPA to Glendale, Power Sale (92412).....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8	
5 BPA to Pasadena [1], Power Sale (92413).....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3	
6 BPA to Pasadena [2], Pkng/Nrg (93658).....	0	0	0	0	0	0	0	2	2	0	0	0	0	0	
7 BPA to SCE [1], Power Sale (92275).....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134	
8 BPA to SCE [2], Env Storage (94507).....	0	0	0	0	0	0	18	36	36	18	0	0	9	9	
9 BPA to M-S-R, Power Sale (92499).....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75	
10 BPA to SDG&E, C/E Exch. Pkng/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 BPA to Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4	
12 BPA to Palo Alto, Power Sale (94508).....	0	0	0	0	0	0	0	20	20	20	0	0	5	5	
13 BPA to Imperial Irrigation Pkng/Nrg (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4	
14 BPA to Vernon (94672).....	0	0	0	0	0	0	0	25	25	26	0	0	6	8	
15 BPA to Azusa, exch energy (94883).....	0	0	0	0	0	0	0	23	23	22	0	0	6	6	
16 BPA to Azusa Power Sale (94883).....	0	0	0	0	0	0	0	2	2	2	0	0	1	1	
17 BPA to ABC C/E (94811- 5 & 6a).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18 BPA to ABC C/E (94811- 6b).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19 BPA NW/SW Int loss.....	8.	7	6	6	6	6	6.5	9	11	10	9	9	8	8	
<b>20 Exports to Canada (L/R Table A-2)</b>															
21 BPA Can. Ent. to BCHydro.....	0.	0	0	0	0	0	50	50	50	50	51	51	25	13	
<b>22 Total Exports.....</b>	<b>278.6</b>	<b>247.2</b>	<b>213.8</b>	<b>216.2</b>	<b>203.7</b>	<b>203.8</b>	<b>269.1</b>	<b>421</b>	<b>463.9</b>	<b>436.5</b>	<b>348.4</b>	<b>352.1</b>	<b>305</b>	<b>293</b>	
<b>23 Contracts Out (L/R Table A-16)</b>															
24 BPA to EWEB, Base Load (94831).....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42	42	
25 BPA to EWEB, Variable (94831).....	15	15	15	15	15	15	15	15	15	15	15	15	15	15	
26 BPA to Western Oregon (94697).....	7	9	9	10	10	8	8	7	7	6	6	3	8	8	
27 BPA to Lower Valley (94839).....	43	58	73	73	68	58	46	41	39	42	41	40	52	52	
28 BPA to WWP, Xchg (94519).....	31	31	28	31	30	31	29	12	12	35	35	35	28	26	
29 BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6	
30 BPA to WWP, Clark (94779).....	100	175	175	175	175	175	100	100	100	100	0	0	115	123	
31 BPA to PSP&L, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32 BPA to PSP&L, Power Sale (92527).....	150	150	150	150	150	150	150	0	0	0	0	0	75	75	
33 BPA to PSP&L, Baker Hd Loss.....	0	2	2	2	2	0	0	0	0	0	0	0	1	1	
34 BPA to PP&L, S. Idaho.....	108.	161	215	189	145	117	90	0	18	34	13	42	94	94	
35 BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60	
36 BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
37 BPA to Cowitz, SP sale (95084).....	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
38 BPA to WWP, Power Sale (95104).....	115	115	115	115	115	115	115	115	115	115	115	115	115	115	
39 BPA to Pacificorp (99116).....	0	0	0	0	0	0	0	0	0	0	0	0	0	6	
40 BPA to Salem Electric, SP sale (95216).....	7	7	7	7	7	7	7	7	7	7	7	7	7	4	
41 BPA to ____, Total WNP3 Settlement.....	0	309	309	309	309	154	154	0	0	0	0	0	129	128	
42 Forecasted sales: BPA to Marketers.....	216	216	216	216	216	216	216	216	216	216	216	216	216	178	
43 Forecasted sales: BPA to IOUs.....	0	0	0	0	0	0	268	268	268	268	0	0	89	80	
44 Total.....	1018.5	1520	1607	1592	1521	1297	1308	1031	1047	1088	676.5	712	1202	1168	

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 Average Megawatts, Federal System, Table 2

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z		
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	FY 1998	2-Year	
														Average	Average
<b>45 RESOURCES</b>															
<b>46 Imports (L/R Table A-5)</b>															
47	SCE [1] to BPA, Cap/Nrg Xchg (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
48	SCE [1] to BPA, Supplemental Nrg (92275).....	0	43	87	87	87	87	43.5	0	0	0	0	0	36	
49	SCE [1] to BPA, Option Nrg (92275).....	0	0	0	142	285	285	142.5	0	0	0	0	0	71	
50	SCE [2] to BPA, Env Storage (94507).....	0	15	30	30	30	0	0	0	0	0	0	0	9	
51	Burbank to BPA, Cap/Nrg Xchg (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
52	Glendale to BPA, Cap/Nrg Xchg (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
53	Pasadena [1] to BPA, Cap/Nrg Xch (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
54	Pasadena [2] to BPA, Repl/Nrg (93658).....	1	1	1	1	1	0	0	0	0	0	1	1	1	
55	Pasadena [2] to BPA, Exch/Nrg (93658).....	3	3	3	3	3	2	0	0	0	0	3	2	2	
56	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	3	3	
57	Anaheim to BPA, Energy Exch (92784).....	6	6	6	6	6	6	3	0	0	0	0	3	3	
58	Riverside [1] to BPA, Energy Exch (92858).....	6	6	6	6	6	6	3	0	0	0	0	3	3	
59	Riverside [2] to BPA, Repl/Nrg (93958).....	0	8	8	8	8	8	4	0	0	0	0	4	4	
60	Riverside [2] to BPA, Exch/Nrg (93958).....	13	3	3	3	3	3	3.5	0	0	16	16	7	6	
61	Imperial Irrig. to BPA, Seas return (94277).....	7	7	7	7	7	0	0	0	0	0	7	4	4	
62	Imperial Irrig. to BPA, Exch/Nrg (94277).....	15	15	15	15	15	0	0	0	0	0	14	7	7	
63	Basin Electric to BPA, Purchase (94460).....	96	96	96	96	96	96	54.5	0	0	0	0	53	57	
64	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	89.5	0	18	34	13	42	94	
65	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	60	60	
66	SDG&E to BPA, C/E Exch. Repl/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	21	
67	SDG&E to BPA, C/E Exch. xch/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	10	
68	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
69	Vernon to BPA, Exch.....	19	19	19	0	0	0	0	0	0	0	0	5	6	
70	Azusa to BPA, Exch.....	15	14	15	0	0	0	0	0	0	0	0	4	4	
71	ABC to BPA C/E (94811- Section 4).....	0	7	7	7	7	0	0	0	0	0	0	2	2	
72	PowerEx to BPA (94836 -sec 6b of 94811).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
73	M-S-R to BPA, Cap/Nrg Xchg (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
74	Total.....	334	453	571	653	752	663	422.5	75	93	125	104	158	367	
<b>75 Contracts In (L/R Table A-16)</b>															
76	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	29	29	29	29	
77	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
78	WWP to BPA, Xchg (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
79	PSP&L to BPA, Purchase (letter).....	0	0	0	0	0	0	0	0	0	0	0	0	27	
80	PSP&L to BPA, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
81	Other entities to BPA, Purchase.....	69	69	69	69	69	69	69	69	69	69	69	69	69	
82	----placeholder-----														
83	----placeholder-----														
84	----placeholder-----														
85	___ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	258	0	258	0	0	258	194	191	
86	Total.....	356	356	356	356	356	356	98	356	98	98	356	292	316	
<b>87 Non-Utility Generation</b>															
88	Clearwater Fish Hatchery.....	0	0	0	1	1	1	1	1	1	1	1	1	0	
89	Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7	
90	Cares Flow Wind Project.....	5.5	5.4	6.5	5.7	6.2	7.3	3.8	8.6	9.8	8.1	7.2	7.4	7	
91	Total.....	12	15	18	19	18	17	11	15	15	13	12	13	11	

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**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	FY 1999	3-Year	
													Average	Average	
<b>1 LOADS</b>															
<b>2 Exports to PSW (L/R Table A-2)</b>															
3	BPA to Burbank, Power Sale (92411).....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
4	BPA to Glendale, Power Sale (92412).....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
5	BPA to Pasadena [1], Power Sale (92413).....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
6	BPA to Pasadena [2], Pkng/Nrg.(93658).....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
7	BPA to SCE [1], Power Sale (92275).....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
8	BPA to SCE [2], Env Storage (94507).....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
9	BPA to M-S-R, Power Sale (92499).....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
10	BPA to SDG&E, C/E Exch. Pkng/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	BPA to Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
12	BPA to Palo Alto, Power Sale (94508).....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
13	BPA to Imperial Irrigation Pkng/Nrg (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
14	BPA to Vernon (94672).....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
15	BPA to Azusa, exch energy (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
16	BPA to Azusa Power Sale (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	BPA to ABC C/E (94811- 5 & 6a).....	0	0	0	0	0	0	0	0	9	9	2	2	2	1
18	BPA to ABC C/E (94811- 6b).....	0	0	0	0	0	0	0	0	0	0	7	7	1	0
19	BPA NW/SW Int loss.....	8.	7	6	7	6	6	6.5	9	11	10	9	9	8	8
<b>20 Exports to Canada (L/R Table A-2)</b>															
21	BPA Can. Ent. to BChydro.....	51.	51	51	51	51	51	309	309	309	309	307	307	180	68
22	<b>Total Exports.....</b>	<b>329.6</b>	<b>298.2</b>	<b>264.8</b>	<b>268.2</b>	<b>254.7</b>	<b>254.8</b>	<b>528.1</b>	<b>630</b>	<b>681.9</b>	<b>654.5</b>	<b>613.4</b>	<b>617.1</b>	<b>450</b>	<b>345</b>
<b>23 Contracts Out (L/R Table A-16)</b>															
24	BPA to EWEB, Base Load (94831).....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42	42
25	BPA to EWEB, Variable (94831).....	15	15	15	15	15	15	15	15	15	15	15	15	15	15
26	BPA to Western Oregon (94697).....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
27	BPA to Lower Valley (94839).....	44	58	74	74	69	59	47	42	40	43	42	41	53	52
28	BPA to WWP, Xchg (94519).....	35	35	31	31	30	31	29	12	12	35	35	34	29	27
29	BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
30	BPA to WWP, Clark (94779).....	0	0	0	0	0	0	0	0	0	0	0	0	0	82
31	BPA to PSP&L, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32	BPA to PSP&L, Power Sale (92527).....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
33	BPA to PSP&L, Baker Hd Loss.....	0	2	2	2	2	0	0	0	0	0	0	0	1	1
34	BPA to PP&L, S. Idaho.....	108.	161	215	189	145	117	90	0	18	34	13	42	94	94
35	BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
36	BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
37	BPA to Cowlitz, SP sale (95084).....	150	150	150	150	150	150	150	150	150	150	150	150	150	150
38	BPA to WWP, Power Sale (95104).....	115	115	115	115	115	115	115	115	115	115	115	115	115	115
39	BPA to Pacificorp (99116).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
40	BPA to Salem Electric, SP sale (95216).....	7	7	7	7	7	7	7	7	7	7	7	7	7	5
41	BPA to ____, Total WNP3 Settlement.....	0	467	467	466	467	233	233	0	0	0	0	0	194	150
42	Forecasted sales: BPA to Marketers.....	278	278	278	278	278	278	278	278	278	278	278	278	278	211
43	Forecasted sales: BPA to IOUs.....	7	7	7	7	7	7	295	295	295	295	7	7	103	88
44	<b>Total.....</b>	<b>985.5</b>	<b>1567</b>	<b>1654</b>	<b>1634</b>	<b>1564</b>	<b>1263</b>	<b>1369</b>	<b>1014</b>	<b>1030</b>	<b>1072</b>	<b>740.5</b>	<b>778</b>	<b>1223</b>	<b>1186</b>



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**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	FY 1999	3-Year
													Average	Average
<b>45 RESOURCES</b>														
<b>46 Imports (L/R Table A-5)</b>														
47	SCE [1] to BPA, Cap/Nrg Xchg (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0
48	SCE [1] to BPA, Supplemental Nrg (92275).....	0	45	90	90	90	90	45	0	0	0	0	38	36
49	SCE [1] to BPA, Option Nrg (92275).....	0	0	0	142	285	285	142.5	0	0	0	0	71	71
50	SCE [2] to BPA, Env Storage (94507).....	0	15	30	30	30	0	0	0	0	0	0	9	9
51	Burbank to BPA, Cap/Nrg Xchg (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Glendale to BPA, Cap/Nrg Xchg (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Pasadena [1] to BPA, Cap/Nrg Xch (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Pasadena [2] to BPA, Repl/Nrg (93658).....	1	1	1	1	1	0	0	0	0	0	1	1	1
55	Pasadena [2] to BPA, Exch/Nrg (93658).....	3	3	3	3	3	2	0	0	0	0	3	2	2
56	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	3	3
57	Anaheim to BPA, Energy Exch (92784).....	6	6	6	6	6	6	3	0	0	0	0	3	3
58	Riverside [1] to BPA, Energy Exch (92858).....	6	6	6	6	6	6	3	0	0	0	0	3	3
59	Riverside [2] to BPA, Repl/Nrg (93958).....	0	9	9	9	9	9	4.5	0	0	0	0	4	4
60	Riverside [2] to BPA, Exch/Nrg (93958).....	16	4	4	4	4	4	4	0	16	16	16	7	7
61	Imperial Irrig. to BPA, Seas return (94277).....	7	7	7	7	7	0	0	0	0	0	7	4	4
62	Imperial Irrig. to BPA, Exch/Nrg (94277).....	14	15	15	15	15	0	0	0	0	0	14	7	7
63	Basin Electric to BPA, Purchase (94460).....	0	0	96	96	96	96	73.5	0	0	0	0	38	50
64	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94
65	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	60	60
66	SDG&E to BPA, C/E Exch. Repl/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	14
67	SDG&E to BPA, C/E Exch. xch/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	7
68	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Vernon to BPA, Exch.....	0	0	0	0	0	0	0	0	0	0	0	0	4
70	Azusa to BPA, Exch.....	0	0	0	0	0	0	0	0	0	0	0	0	2
71	ABC to BPA C/E (94811- Section 4).....	0	7	7	7	7	0	0	0	0	0	0	2	2
72	PowerEx to BPA (94836 -sec 6b of 94811).....	0	0	0	0	0	0	0	0	0	6	6	1	0
73	M-S-R to BPA, Cap/Nrg Xchg (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Total.....	206	328	542	658	757	668	444.5	75	93	125	110	164	348
<b>75 Contracts In (L/R Table A-16)</b>														
76	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	29	29	29	29
77	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0
78	WWP to BPA, Xchg (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0
79	PSP&L to BPA, Purchase (letter).....	0	0	0	0	0	0	0	0	0	0	0	0	18
80	PSP&L to BPA, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Other entities to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	46
82	---placeholder---													
83	---placeholder---													
84	---placeholder---													
85	___ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	257	258	0	258	0	0	258	193
86	Total.....	287	287	287	287	287	286	287	29	287	29	29	287	222
<b>87 Non-Utility Generation</b>														
88	Clearwater Fish Hatchery.....	1	1	1	1	1	1	1	1	1	1	1	1	1
89	Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7
90	Cares Flow Wind Project.....	5.5	5.4	6.5	5.7	6.2	7.3	3.8	8.6	9.8	8.1	7.2	7.4	7
91	Total.....	13	16	19	19	18	17	11	15	15	13	12	13	12

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 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000	4-Year
	Average													Average
<b>1 LOADS</b>														
<b>2 Exports to PSW (L/R Table A-2)</b>														
3 BPA to Burbank, Power Sale (92411).....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
4 BPA to Glendale, Power Sale (92412).....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
5 BPA to Pasadena [1], Power Sale (92413).....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
6 BPA to Pasadena [2], Pkng/Nrg.(93658).....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
7 BPA to SCE [1], Power Sale (92275).....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
8 BPA to SCE [2], Env Storage (94507).....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
9 BPA to M-S-R, Power Sale (92499).....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
10 BPA to SDG&E, C/E Exch. Pkng/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 BPA to Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
12 BPA to Palo Alto, Power Sale (94508).....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
13 BPA to Imperial Irrigation Pkng/Nrg (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
14 BPA to Vernon (94672).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
15 BPA to Azusa, exch energy (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
16 BPA to Azusa Power Sale (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 BPA to ABC C/E (94811- 5 & 6a).....	0	0	0	0	0	0	0	0	9	9	2	2	2	1
18 BPA to ABC C/E (94811- 6b).....	0	0	0	0	0	0	0	0	0	0	7	7	1	1
19 BPA NW/SW Int loss.....	8.	7	6	6	6	6	6.5	9	11	10	9	9	8	8
<b>20 Exports to Canada (L/R Table A-2)</b>														
21 BPA Can. Ent. to BCHydro.....	307.	307	307	307	307	307	307	307	307	307	299	299	306	128
<b>22 Total Exports.....</b>	<b>585.6</b>	<b>554.2</b>	<b>520.8</b>	<b>523.2</b>	<b>510.7</b>	<b>510.8</b>	<b>526.1</b>	<b>628</b>	<b>679.9</b>	<b>652.5</b>	<b>605.4</b>	<b>609.1</b>	<b>576</b>	<b>403</b>
<b>23 Contracts Out (L/R Table A-16)</b>														
24 BPA to EWEB, Base Load (94831).....	31.5	77	98	105	84	56	35	0	0	0	0	0	41	42
25 BPA to EWEB, Variable (94831).....	15	15	15	15	15	15	15	15	15	15	0	0	13	14
26 BPA to Western Oregon (94697).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
27 BPA to Lower Valley (94839).....	44	59	75	74	69	60	48	42	40	44	42	42	53	52
28 BPA to WWP, Xchg (94519).....	35	34	31	31	30	31	29	12	12	0	0	0	20	26
29 BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
30 BPA to WWP, Clark (94779).....	0	0	0	0	0	0	0	0	0	0	0	0	0	61
31 BPA to PSP&L, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
32 BPA to PSP&L, Power Sale (92527).....	150	150	150	150	150	150	150	0	0	0	0	0	75	75
33 BPA to PSP&L, Baker Hd Loss.....	0	2	2	2	2	0	0	0	0	0	0	0	1	1
34 BPA to PP&L, S. Idaho.....	108.	161	215	189	145	117	90	0	18	34	13	42	94	94
35 BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
36 BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
37 BPA to Cowitz, SP sale (95084).....	150	150	150	150	150	150	150	150	150	150	150	0	138	147
38 BPA to WWP, Power Sale (95104).....	115	115	115	115	115	115	115	115	115	115	115	115	115	115
39 BPA to Pacificorp (99116).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
40 BPA to Salem Electric, SP sale (95216).....	7	7	7	7	7	7	7	7	7	7	7	7	7	5
41 BPA to ____, Total WNP3 Settlement.....	0	467	467	466	467	233	233	0	0	0	0	0	194	161
42 Forecasted sales: BPA to Marketers.....	332	332	332	332	332	332	332	332	332	332	332	332	332	241
43 Forecasted sales: BPA to IOUs.....	15	15	15	15	15	15	327	327	327	327	15	15	119	95
44 Total.....	1047.5.....	1629	1717	1696	1626	1326	1456	1100	1116	1124	749	628	1268	1207

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 Average Megawatts, Federal System, Table 2

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	4-Year
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000	Average
<b>45 RESOURCES</b>														
<b>46 Imports (L/R Table A-5)</b>														
47	SCE [1] to BPA, Cap/Nrg Xchg (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0
48	SCE [1] to BPA, Supplemental Nrg (92275).....	0	46	93	93	93	93	46.5	0	0	0	0	39	37
49	SCE [1] to BPA, Option Nrg (92275).....	0	0	0	142	285	285	142.5	0	0	0	0	71	71
50	SCE [2] to BPA, Env Storage (94507).....	0	15	30	30	30	0	0	0	0	0	0	9	9
51	Burbank to BPA, Cap/Nrg Xchg (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0
52	Glendale to BPA, Cap/Nrg Xchg (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0
53	Pasadena [1] to BPA, Cap/Nrg Xch (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0
54	Pasadena [2] to BPA, Repl/Nrg (93658).....	1	1	1	1	1	0	0	0	0	0	1	1	1
55	Pasadena [2] to BPA, Exch/Nrg (93658).....	3	3	3	3	3	2	0	0	0	0	3	2	2
56	B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	3	3
57	Anaheim to BPA, Energy Exch (92784).....	6	6	6	6	6	6	3	0	0	0	0	3	3
58	Riverside [1] to BPA, Energy Exch (92858).....	6	6	6	6	6	6	3	0	0	0	0	3	3
59	Riverside [2] to BPA, Repl/Nrg (93958).....	0	9	9	9	9	9	4.5	0	0	0	0	4	4
60	Riverside [2] to BPA, Exch/Nrg (93958).....	16	4	4	4	4	4	4	0	16	16	16	7	7
61	Imperial Irrig. to BPA, Seas return (94277).....	7	7	7	7	7	0	0	0	0	0	7	4	4
62	Imperial Irrig. to BPA, Exch/Nrg (94277).....	14	15	15	15	15	0	0	0	0	0	14	7	7
63	Basin Electric to BPA, Purchase (94460).....	0	0	0	0	0	0	0	0	0	0	0	0	38
64	PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94
65	Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	60	60
66	SDG&E to BPA, C/E Exch. Repl/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	11
67	SDG&E to BPA, C/E Exch. xch/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	5
68	SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0
69	Vernon to BPA, Exch.....	0	0	0	0	0	0	0	0	0	0	0	0	3
70	Azusa to BPA, Exch.....	0	0	0	0	0	0	0	0	0	0	0	0	2
71	ABC to BPA C/E (94811- Section 4).....	0	7	7	7	7	0	0	0	0	0	0	2	2
72	PowerEx to BPA (94836 -sec 6b of 94811).....	0	0	0	0	0	0	0	0	0	6	6	1	1
73	M-S-R to BPA, Cap/Nrg Xchg (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0
74	Total.....	206	329	449	565	664	575	372.5	75	93	125	110	164	311
<b>75 Contracts In (L/R Table A-16)</b>														
76	MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	29	29	29	29
77	MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0
78	WWP to BPA, Xchg (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0
79	PSP&L to BPA, Purchase (letter).....	0	0	0	0	0	0	0	0	0	0	0	0	13
80	PSP&L to BPA, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0
81	Other entities to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	35
82	---placeholder---													
83	---placeholder---													
84	---placeholder---													
85	___ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	256	258	0	258	0	0	258	193
86	Total.....	287	287	287	287	285	287	29	287	29	29	287	222	269
<b>87 Non-Utility Generation</b>														
88	Clearwater Fish Hatchery.....	1	1	1	1	1	1	1	1	1	1	1	1	1
89	Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7
90	Cares Flow Wind Project.....	5.5	5.4	6.5	5.7	6.2	7.3	3.8	8.6	9.8	8.1	7.2	7.4	7
91	Total.....	13	16	19	19	18	17	11	15	15	13	12	13	13

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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	FY 2001	5-Year	
														Average	Average
<b>1 LOADS</b>															
<b>2 Exports to PSW (L/R Table A-2)</b>															
3 BPA to Burbank, Power Sale (92411).....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16	
4 BPA to Glendale, Power Sale (92412).....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8	
5 BPA to Pasadena [1], Power Sale (92413).....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3	
6 BPA to Pasadena [2], Pkng/Nrg (93658).....	0	0	0	0	0	0	0	2	2	0	0	0	0	0	
7 BPA to SCE [1], Power Sale (92275).....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134	
8 BPA to SCE [2], Env Storage (94507).....	0	0	0	0	0	0	18	36	36	18	0	0	9	9	
9 BPA to M-S-R, Power Sale (92499).....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75	
10 BPA to SDG&E, C/E Exch. Pkng/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 BPA to Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4	
12 BPA to Palo Alto, Power Sale (94508).....	0	0	0	0	0	0	0	20	20	20	0	0	5	5	
13 BPA to Imperial Irrigation Pkng/Nrg (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4	
14 BPA to Vernon (94672).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
15 BPA to Azusa, exch energy (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
16 BPA to Azusa Power Sale (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17 BPA to ABC C/E (94811- 5 & 6a).....	0	0	0	0	0	0	0	0	9	9	2	2	2	1	
18 BPA to ABC C/E (94811- 6b).....	0	0	0	0	0	0	0	0	0	0	7	7	1	1	
19 BPA NW/SW Int loss.....	8.	7	6	6	6	6	6.5	9	11	10	9	9	8	8	
<b>20 Exports to Canada (L/R Table A-2)</b>															
21 BPA Can. Ent. to BCHydro.....	299.	299	299	299	299	299	299	299	299	299	297	297	299	162	
<b>22 Total Exports.....</b>	<b>577.6</b>	<b>546.2</b>	<b>512.8</b>	<b>515.2</b>	<b>502.7</b>	<b>502.8</b>	<b>518.1</b>	<b>620</b>	<b>671.9</b>	<b>644.5</b>	<b>603.4</b>	<b>607.1</b>	<b>569</b>	<b>436</b>	
<b>23 Contracts Out (L/R Table A-16)</b>															
24 BPA to EWEB, Base Load (94831).....	0	0	0	0	0	0	0	0	0	0	0	0	0	33	
25 BPA to EWEB, Variable (94831).....	0	0	0	0	0	0	0	0	0	0	0	0	0	12	
26 BPA to Western Oregon (94697).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
27 BPA to Lower Valley (94839).....	45	59	75	75	70	60	48	43	41	44	43	42	54	53	
28 BPA to WWP, Xchg (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	20	
29 BPA to WWP, Riverside (94667).....	0	0	0	0	0	0	0	25	25	25	0	0	6	6	
30 BPA to WWP, Clark (94779).....	0	0	0	0	0	0	0	0	0	0	0	0	0	49	
31 BPA to PSP&L, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
32 BPA to PSP&L, Power Sale (92527).....	150	150	150	150	150	150	150	0	0	0	0	0	75	75	
33 BPA to PSP&L, Baker Hd Loss.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
34 BPA to PP&L, S. Idaho.....	108.	161	215	189	145	117	90	0	18	34	13	42	94	94	
35 BPA to Idaho (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60	
36 BPA to PGE, Canby (94728).....	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
37 BPA to Cowitz, SP sale (95084).....	0	0	0	0	0	0	0	0	0	0	0	0	0	118	
38 BPA to WWP, Power Sale (95104).....	115	115	115	115	115	115	115	115	115	115	115	115	115	115	
39 BPA to PacifiCorp (99116).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
40 BPA to Salem Electric, SP sale (95216).....	7	7	7	7	7	7	7	7	7	7	7	0	6	6	
41 BPA to ____, Total WNP3 Settlement.....	0	467	467	466	467	233	233	0	0	0	0	0	194	168	
42 Forecasted sales: BPA to Marketers.....	395	395	395	395	395	395	395	395	395	332	332	332	379	269	
43 Forecasted sales: BPA to IOUs.....	29	29	29	29	29	29	383	383	383	383	29	29	147	106	
44 Total.....	894.	1428	1498	1471	1423	1151	1346	1043	1059	1015	614	635	1131	1192	

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**SURPLUS/DEFICIT CALCULATION**  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power  
 Exports, Imports, Contracts In, Non-Utility Generation  
 Test Period October 1996 - September 2001  
 Average Megawatts, Federal System, Table 2

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	5-Year
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	FY 2001	Average
<b>45 RESOURCES</b>														
<b>46 Imports (L/R Table A-5)</b>														
47 SCE [1] to BPA, Cap/Nrg Xchg (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48 SCE [1] to BPA, Supplemental Nrg (92275).....	0	48	96	96	96	96	48	0	0	0	0	0	40	37
49 SCE [1] to BPA, Option Nrg (92275).....	0	0	0	142	285	285	142.5	0	0	0	0	0	71	71
50 SCE [2] to BPA, Env Storage (94507).....	0	15	30	31	30	0	0	0	0	0	0	0	9	9
51 Burbank to BPA, Cap/Nrg Xchg (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
52 Glendale to BPA, Cap/Nrg Xchg (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Pasadena [1] to BPA, Cap/Nrg Xch (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Pasadena [2] to BPA, Repl/Nrg (93658).....	1	1	1	1	1	0	0	0	0	0	0	1	1	1
55 Pasadena [2] to BPA, Exch/Nrg (93658).....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
56 B-G-P to BPA, Supplemental Nrg.....	0	4	8	8	8	8	4	0	0	0	0	0	3	3
57 Anaheim to BPA, Energy Exch (92784).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
58 Riverside [1] to BPA, Energy Exch (92858).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
59 Riverside [2] to BPA, Repl/Nrg (93958).....	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
60 Riverside [2] to BPA, Exch/Nrg (93958).....	16	4	4	4	4	4	4	0	0	16	16	16	7	7
61 Imperial Irrig. to BPA, Seas return (94277).....	7	7	7	7	7	0	0	0	0	0	0	7	4	4
62 Imperial Irrig. to BPA, Exch/Nrg (94277).....	14	15	15	15	15	0	0	0	0	0	0	14	7	7
63 Basin Electric to BPA, Purchase (94460).....	0	0	0	0	0	0	0	0	0	0	0	0	0	30
64 PP&L to BPA, S. Idaho.....	108	161	215	189	145	117	90	0	18	34	13	42	94	94
65 Sierra to BPA (Harney & Wells).....	45	45	45	45	45	45	75	75	75	75	75	75	60	60
66 SDG&E to BPA, C/E Exch. Repl/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	9
67 SDG&E to BPA, C/E Exch. xch/Nrg (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
68 SDG&E to BPA, Option Nrg.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
69 Vernon to BPA, Exch.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2
70 Azusa to BPA, Exch.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
71 ABC to BPA C/E (94811- Section 4).....	0	7	7	7	7	0	0	0	0	0	0	0	2	2
72 PowerEx to BPA (94836 -sec 6b of 94811).....	0	0	0	0	0	0	0	0	0	0	6	6	1	1
73 M-S-R to BPA, Cap/Nrg Xchg (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
74 Total.....	206	331	452	569	667	578	374	75	93	125	110	164	312	355
<b>75 Contracts In (L/R Table A-16)</b>														
76 MPC to BPA, Cap/Nrg Xchg.....	29	29	29	29	29	29	29	29	29	0	0	0	22	28
77 MPC to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
78 WWP to BPA, Xchg (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
79 PSP&L to BPA, Purchase (letter).....	0	0	0	0	0	0	0	0	0	0	0	0	0	11
80 PSP&L to BPA, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	150	150	25	5
81 Other entities to BPA, Purchase.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28
82 ---placeholder---														
83 ---placeholder---														
84 ---placeholder---														
85 ___ to BPA, Total WNP3 Settlement.....	258	258	258	258	258	257	258	0	258	0	0	258	193	192
86 Total.....	287	287	287	287	287	286	287	29	287	0	150	408	240	263
<b>87 Non-Utility Generation</b>														
88 Clearwater Fish Hatchery.....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
89 Wyoming Wind.....	6.4	9.4	11.5	12	11	8.2	6.6	5.2	4.6	3.7	3.8	4.3	7	6
90 Cares Flow Wind Project.....	5.5	5.4	6.5	5.7	6.2	7.3	3.8	8.6	9.8	8.1	7.2	7.4	7	7
91 Total.....	13	16	19	19	18	17	11	15	15	13	12	13	15	13

In the initial adjusted for +150; now taken out

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SURPLUS/DEFICIT CALCULATION  
Summary of Loads and Resources of the Federal System  
BPA Area under the Northwest Regional Power Act  
Test Period October 1996 - September 2001  
Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	FY 1997 Average	
<b>1 LOADS.....</b>														
2 Federal Agencies.....	139	147	164	158	159	151	139	134	133	142	144	137	146	
3 Federal + Gen Public Losses.....	166	197	220	212	192	165	152	139	135	137	136	140	166	includes:Gen. non-gen, fed ag, CSPE to West Group Util., Total..and Contracts out..
4 USBR.....	42	2	2	2	2	4	50	117	151	168	161	108	67	
5 DSI Aluminum Firm.....	1,711	1,711	1,682	1,662	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1652	
6 DSI Non-Aluminum Firm.....	210	210	210	210	210	210	210	210	210	210	210	210	210	
7 DSI Firm Losses.....	52	56	59	58	57	53	52	50	50	48	48	48	53	
8 Sm & Non Gen Pub Purch, PF.....	2,271	2,601	2,810	2,944	2,783	2,531	2,451	2,385	2,433	2,549	2,521	2,332	2551	
9 Sm & Non Gen Pub Purch, Partnership.....	7.2	7.2	7.2	0	0	0	0	0	0	0	0	0	2	
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
11 Sm & Non Gen Pub Purch, Total.....	2,278	2,608	2,817	2,944	2,783	2,531	2,451	2,385	2,433	2,549	2,521	2,332	2553	
12 Firm System Load.....	4,598	4,931	5,154	5,246	5,035	4,746	4,686	4,667	4,744	4,886	4,852	4,607	4846	check against Fed Table 2, line 8.
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	278.6	247.2	213.8	216.2	203.7	203.8	219.1	377	418.9	397.5	297.4	301.1	281	
15 Contracts Out (SDC01).....	988.5	1488	1579	1520	1448	1223	1176	901	915	953	688.5	735	1135	
16 CSPE to West Group Util., IOU.....	127	127	127	127	127	127	123	123	123	123	123	123	125	
17 CSPE to West Group Util., Gen.....	105	105	105	105	105	105	102	102	102	102	102	102	104	
18 CSPE to West Group Util., Non. Gen.....	22	22	22	22	22	22	21	21	21	21	21	21	22	
19 CSPE to West Group Util., Total.....	254	254	254	254	254	254	246	246	246	246	246	246	250	
20 Gen Public Agen Purch, PF.....	1,740	2,019	2,215	2,370	2,135	2,029	1,912	1,678	1,508	1,520	1,481	1,480	1841	
21 Gen Public Agen Purch, Conserv. Trans.....	5	6	10	8	7	7	5	4	5	3	5	4	6	Sum of Snohomish, Lewis, and Mason#3
22 Gen Public Agen Purch, Total.....	1,745	2,025	2,225	2,378	2,142	2,036	1,917	1,682	1,513	1,523	1,486	1,484	1846	
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
25 Firm Loads.....	7,864	8,945	9,426	9,614	9,082	8,462	8,244	7,873	7,836	8,006	7,570	7,373	8358	check against Fed Table 2, line15.
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
30 Total Loads.....	7,864	8,945	9,426	9,614	9,082	8,462	8,244	7,873	7,836	8,006	7,570	7,373	8358	check against Fed Table 2, line 19.
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	6,034	6,436	6,253	6,060	6,740	6,472	9,202	9,210	7,744	6,201	5,173	5,160	6724	check against Fed Table 2, line 33.
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	405	387	406.5	346	335	
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	**This is a patch of the U-Tables, dated Oct 23, 1995.
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	**This is a patch of the U-Tables, dated Oct 23, 1995.
37 Sus. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	In order to simulate Tim's L/R balance, set the May and June num
38 Can. Ent. Non-Fed(CSPE).....	54	54	54	54	54	54	52	52	52	52	52	52	53	
39 Can. Ent. Non-Fed(Cnda).....	0	0	0	0	0	0	0	0	0	0	0	0	0	
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	
41 Total Hydro.....	6,403	6,765	6,635	6,292	7,132	6,767	9,501	9,607	8,175	6,614	5,605	5,532	7086	check against Fed Table 2, line 28.
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
46 Imports (SDC01).....	492	610	725	800	899	660	424.5	75	93	122	101	252	438	
47 Contracts In (SDC01).....	429	451	408	437	466	485	406	98	349	98	98	356	340	
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	983	983	983	983	983	983	491.5	0	491	1,010	1,010	1,010	826	
50 Non-Utility Generation (SDC01).....	0	5.4	6.5	5.7	6.2	7.3	3.8	8.6	9.8	8.1	7.2	7.4	6	
51 Total Resources.....	8,307	8,815	8,758	8,518	9,486	8,903	10,827	9,789	9,118	7,852	6,821	7,158	8696	check against Fed Table 2, line 38.
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
55 ---placeholder---														
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	
57 Net Resources.....	8,307	8,815	8,758	8,518	9,486	8,903	10,827	9,789	9,118	7,852	6,821	7,158	8696	check against Fed Table 2, line 44
58 Firm Surplus/Deficit.....	443	-130	-668	-1,097	404	440	2,583	1,916	1,282	-153	-748	-216	338	check against Fed Table 2, line 45
59 Total Surplus/Deficit.....	443	-130	-668	-1,097	404	440	2,583	1,916	1,282	-153	-748	-216	338	check against Fed Table 2, line 46

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 Date: April 13, 1999  
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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	FY 1998 Average	2-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	140	149	165	159	159	152	140	134	133	143	145	137	146	146
3 Federal + Gen Public Losses.....	169	199	224	215	196	167	154	140	136	139	138	142	168	167 includes:Gen. non-gen, fed ag, CSPE to West Group Util., Total..and Contracts out..
4 USBR.....	42	2	2	2	2	4	50	117	151	168	161	109	68	67
5 DSI Aluminum Firm.....	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1632	1642
6 DSI Non-Aluminum Firm.....	210	210	210	210	210	210	210	210	210	210	210	210	210	210
7 DSI Firm Losses.....	50	53	57	57	57	53	52	50	50	48	48	48	52	52
8 Sm & Non Gen Pub Purch, PF.....	2,326	2,654	2,859	2,989	2,819	2,568	2,487	2,419	2,465	2,416	2,381	2,211	2549	2550
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	2,326	2,654	2,859	2,989	2,819	2,568	2,487	2,419	2,465	2,416	2,381	2,211	2549	2551
12 Firm System Load.....	4,569	4,899	5,149	5,264	5,075	4,786	4,725	4,702	4,777	4,756	4,715	4,489	4825	4836 check against Fed Table 2, line 8.
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	278.6	247.2	213.8	216.2	203.7	203.8	269.1	421	463.9	436.5	348.4	352.1	305	293
15 Contracts Out (SDC01).....	1018.5	1520	1607	1592	1521	1297	1308	1031	1047	1088	676.5	712	1202	1168
16 CSPE to West Group Util., IOU.....	123	123	123	123	123	123	108	108	108	108	108	108	116	120
17 CSPE to West Group Util., Gen.....	102	102	102	102	102	102	89	89	89	89	89	89	96	100
18 CSPE to West Group Util., Non-Gen.....	21	21	21	21	21	21	19	19	19	19	19	19	20	21
19 CSPE to West Group Util., Total.....	246	246	246	246	246	246	216	216	216	216	216	216	231	241
20 Gen Public Agen Purch, PF.....	1,639	1,940	2,050	2,183	1,954	1,864	1,738	1,547	1,422	1,383	1,608	1,635	1747	1794
21 Gen Public Agen Purch, Conserv. Trans.....	5	7	10	8	8	7	5	4	4	3	5	4	6	6
22 Gen Public Agen Purch, Total.....	1,644	1,947	2,060	2,191	1,962	1,871	1,743	1,551	1,426	1,386	1,613	1,639	1753	1800
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	7,756	8,859	9,276	9,509	9,008	8,404	8,261	7,920	7,930	7,883	7,569	7,407	8315	8337 check against Fed Table 2, line15.
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	7,756	8,859	9,276	9,509	9,008	8,404	8,261	7,920	7,930	7,883	7,569	7,407	8315	8337 check against Fed Table 2, line 19.
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,873	6,363	6,437	4,826	7,137	6,237	9,189	9,688	8,468	5,529	4,240	5,233	6602	6663 check against Fed Table 2, line 33.
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	52	52	52	52	52	52	45	45	45	45	45	45	49	51
39 Can. Ent. Non-Fed(Cnda).....	0	0	0	0	0	0	15	15	15	15	15	15	8	4
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,240	6,690	6,817	5,056	7,527	6,530	9,495	10,093	8,908	5,950	4,680	5,613	6967	7026 check against Fed Table 2, line 28.
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	334	453	571	653	752	663	422.5	75	93	125	104	158	367	402
47 Contracts In (SDC01).....	356	356	356	356	356	356	356	98	356	98	98	356	292	316
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	1010	1010	1010	1010	1010	1010	505	0	505	1,010	1,010	1,010	842	834
50 Non-Utility Generation (SDC01).....	11.9	14.8	18	18.7	18.2	16.5	11.4	14.8	15.4	12.8	12	12.7	15	11
51 Total Resources.....	7,952	8,524	8,772	7,094	9,663	8,576	10,790	10,281	9,878	7,196	5,904	7,150	8482	8589 check against Fed Table 2, line 38.
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 ---placeholder-----														
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,952	8,524	8,772	7,094	9,663	8,576	10,790	10,281	9,878	7,196	5,904	7,150	8482	8589 check against Fed Table 2, line 44
58 Firm Surplus/Deficit.....	196	-335	-503	-2,415	656	172	2,529	2,361	1,948	-687	-1,665	-258	167	252 check against Fed Table 2, line 45
59 Total Surplus/Deficit.....	196	-335	-503	-2,415	656	172	2,529	2,361	1,948	-687	-1,665	-258	167	252 check against Fed Table 2, line 46

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 Date: April 13, 1999  
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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	FY 1999 Average	3-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	141	149	166	160	161	153	141	136	134	144	146	138	147	146
3 Federal + Gen Public Losses.....	171	202	227	219	198	167	153	139	135	138	137	141	169	168 includes:Gen. non-gen, fed ag, CSPE to West Group Util., Total..and Contracts out..
4 USBR.....	41	2	2	2	2	4	50	117	151	168	161	109	67	67
5 DSI Aluminum Firm.....	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1632	1639
6 DSI Non-Aluminum Firm.....	210	210	210	210	210	210	210	210	210	210	210	210	210	210
7 DSI Firm Losses.....	50	54	57	57	57	53	52	50	50	48	48	48	52	52
8 Sm & Non Gen Pub Purch, PF.....	2,210	2,517	2,699	2,828	2,674	2,440	2,370	2,310	2,362	2,474	2,439	2,264	2466	2522
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	2,210	2,517	2,699	2,828	2,674	2,440	2,370	2,310	2,362	2,474	2,439	2,264	2466	2522
12 Firm System Load.....	4,455	4,766	4,993	5,108	4,934	4,659	4,608	4,594	4,674	4,814	4,773	4,542	4743	4805 check against Fed Table 2, line 8.
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	329.6	298.2	264.8	268.2	254.7	254.8	528.1	630	681.9	654.5	613.4	617.1	450	345
15 Contracts Out (SDC01).....	985.5	1567	1654	1634	1564	1263	1369	1014	1030	1072	740.5	778	1223	1186
16 CSPE to West Group Util., IOU.....	108	108	108	108	108	108	51	51	51	51	51	51	80	107
17 CSPE to West Group Util., Gen.....	89	89	89	89	89	89	43	43	43	43	43	43	66	88
18 CSPE to West Group Util., Non. Gen.....	19	19	19	19	19	19	9	9	9	9	9	9	14	19
19 CSPE to West Group Util., Total.....	216	216	216	216	216	216	103	103	103	103	103	103	160	214
20 Gen Public Agen Purch, PF.....	1,857	2,222	2,427	2,518	2,274	2,158	1,960	1,733	1,580	1,530	1,688	1,711	1972	1853
21 Gen Public Agen Purch, Conserv. Trans.....	5	7	10	8	7	7	5	4	4	3	4	4	6	6
22 Gen Public Agen Purch, Total.....	1,862	2,229	2,437	2,526	2,281	2,165	1,965	1,737	1,584	1,533	1,692	1,715	1977	1859
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	7,849	9,076	9,565	9,752	9,250	8,557	8,574	8,078	8,074	8,176	7,923	7,754	8552	8408 check against Fed Table 2, line15.
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	7,849	9,076	9,565	9,752	9,250	8,557	8,574	8,078	8,074	8,176	7,923	7,754	8552	8408 check against Fed Table 2, line 19.
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,867	6,256	6,943	4,539	6,077	5,739	10,357	11,398	8,556	5,182	4,041	5,334	6691	6672 check against Fed Table 2, line 33.
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	45	45	45	45	45	45	23	23	23	23	23	23	34	45
39 Can. Ent. Non-Fed(Cnda).....	15	15	15	15	15	15	93	93	93	93	92	92	54	20
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,242	6,591	7,331	4,777	6,475	6,040	10,720	11,859	9,052	5,659	4,537	5,769	7088	7047 check against Fed Table 2, line 28.
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	206	328	542	658	757	668	444.5	75	93	125	110	164	348	384
47 Contracts In (SDC01).....	287	287	287	287	287	286	287	29	287	29	29	287	222	285
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	1010	1010	1010	1010	1010	1010	505	0	505	1,010	1,010	1,010	842	836
50 Non-Utility Generation (SDC01).....	12.9	15.8	19	18.7	18.2	16.5	11.4	14.8	15.4	12.8	12	12.7	15	12
51 Total Resources.....	7,758	8,232	9,189	6,751	8,547	8,021	11,968	11,978	9,953	6,836	5,698	7,243	8514	8564 check against Fed Table 2, line 38.
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 ---placeholder---														
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,758	8,232	9,189	6,751	8,547	8,021	11,968	11,978	9,953	6,836	5,698	7,243	8514	8564 check against Fed Table 2, line 44
58 Firm Surplus/Deficit.....	-90	-844	-376	-3,001	-702	-537	3,394	3,900	1,879	-1,340	-2,225	-511	-38	156 check against Fed Table 2, line 45
59 Total Surplus/Deficit.....	-90	-844	-376	-3,001	-702	-537	3,394	3,900	1,879	-1,340	-2,225	-511	-38	156 check against Fed Table 2, line 46



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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000 Average	4-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	142	150	167	161	162	154	142	136	135	144	147	139	148	147
3 Federal + Gen Public Losses.....	171	202	228	218	197	169	155	141	137	139	138	143	170	168
4 USBR.....	42	2	2	2	2	4	50	117	151	168	161	108	67	67
5 DSI Aluminum Firm.....	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632
6 DSI Non-Aluminum Firm.....	210	210	210	210	210	210	210	210	210	210	210	210	210	210
7 DSI Firm Losses.....	50	54	57	57	57	53	52	50	50	48	48	48	52	52
8 Sm & Non Gen Pub Purch, PF.....	2,249	2,556	2,733	2,857	2,708	2,480	2,406	2,344	2,392	2,496	2,451	2,278	2,496	2,515
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	2,249	2,556	2,733	2,857	2,708	2,480	2,406	2,344	2,392	2,496	2,451	2,278	2,496	2,516
12 Firm System Load.....	4,496	4,806	5,029	5,137	4,968	4,702	4,647	4,630	4,707	4,837	4,787	4,558	4,775	4,797
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	585.6	554.2	520.8	523.2	510.7	510.8	526.1	628	679.9	652.5	605.4	609.1	576	403
15 Contracts Out (SDC01).....	1047.5	1629	1717	1696	1626	1326	1456	1100	1116	1124	749	628	1268	1207
16 CSPE to West Group Util., IOU.....	51	51	51	51	51	51	49	49	49	49	49	49	50	93
17 CSPE to West Group Util., Gen.....	43	43	43	43	43	43	41	41	41	41	41	41	42	77
18 CSPE to West Group Util., Non. Gen.....	9	9	9	9	9	9	9	9	9	9	9	9	9	16
19 CSPE to West Group Util., Total.....	103	103	103	103	103	103	99	99	99	99	99	99	101	185
20 Gen Public Agen Purch, PF.....	1,940	2,312	2,496	2,598	2,357	2,242	2,041	1,794	1,633	1,595	1,734	1,924	2,056	1,904
21 Gen Public Agen Purch, Conserv. Trans.....	5	6	9	8	7	7	5	4	4	3	5	4	6	6
22 Gen Public Agen Purch, Total.....	1,945	2,318	2,505	2,606	2,364	2,249	2,046	1,798	1,637	1,598	1,739	1,928	2,061	1,909
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	8,177	9,411	9,875	10,066	9,572	8,891	8,775	8,256	8,239	8,311	7,979	7,822	8,781	8,502
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	8,177	9,411	9,875	10,066	9,572	8,891	8,775	8,256	8,239	8,311	7,979	7,822	8,781	8,502
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,899	6,821	6,695	5,360	5,937	5,424	8,759	12,102	8,988	4,956	4,691	5,665	6,775	6,698
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	23	23	23	23	23	23	22	22	22	22	22	22	23	40
39 Can. Ent. Non-Fed(Cnda).....	92	92	92	92	92	92	92	92	92	92	92	90	92	38
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,329	7,211	7,138	5,653	6,390	5,780	9,120	12,561	9,482	5,431	5,184	6,097	7,198	7,085
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	206	329	449	565	664	575	372.5	75	93	125	110	164	311	366
47 Contracts In (SDC01).....	287	287	287	287	287	285	287	29	287	29	29	287	222	269
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	1010	1010	1010	1010	1010	1010	505	0	505	1,054	1,054	1,054	853	840
50 Non-Utility Generation (SDC01).....	12.9	15.8	19	18.7	18.2	16.5	11.4	14.8	15.4	12.8	12	12.7	15	13
51 Total Resources.....	7,845	8,853	8,903	7,534	8,369	7,667	10,296	12,680	10,383	6,652	6,389	7,615	8,599	8,573
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 ---placeholder---														
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,845	8,853	8,903	7,534	8,369	7,667	10,296	12,680	10,383	6,652	6,389	7,615	8,599	8,573
58 Firm Surplus/Deficit.....	-332	-558	-972	-2,532	-1,203	-1,224	1,521	4,424	2,144	-1,659	-1,591	-207	-182	71
59 Total Surplus/Deficit.....	-332	-558	-972	-2,532	-1,203	-1,224	1,521	4,424	2,144	-1,659	-1,591	-207	-182	71

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 Time: 08:13:51 AM

SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC02

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	FY 2001 Average	5-Year Average
<b>1 LOADS.....</b>														
2 Federal Agencies.....	143	151	168	162	163	155	143	137	136	145	148	140	149	147
3 Federal + Gen Public Losses.....	173	204	229	220	199	170	157	143	138	140	139	141	171	169 includes:Gen. non-gen, fed ag, CSPE to West Group Util., Total..and Contracts out..
4 USBR.....	41	2	2	2	2	4	50	117	151	169	161	109	68	67
5 DSI Aluminum Firm.....	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632	1,632
6 DSI Non-Aluminum Firm.....	210	210	210	210	210	210	210	210	210	210	210	210	210	210
7 DSI Firm Losses.....	50	54	57	57	57	53	51	50	50	48	48	48	52	52
8 Sm & Non Gen Pub Purch, PF.....	2,262	2,565	2,737	2,863	2,717	2,491	2,420	2,358	2,415	2,511	2,468	2,304	2509	2514
9 Sm & Non Gen Pub Purch, Partnership.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	2,262	2,565	2,737	2,863	2,717	2,491	2,420	2,358	2,415	2,511	2,468	2,304	2509	2515
12 Firm System Load.....	4,511	4,818	5,035	5,146	4,980	4,715	4,663	4,647	4,732	4,855	4,806	4,584	4791	4796 check against Fed Table 2, line 8.
<b>13 TRANSFERS OUT.....</b>														
14 Exports (SDC01).....	577.6	546.2	512.8	515.2	502.7	502.8	518.1	620	671.9	644.5	603.4	607.1	569	436
15 Contracts Out (SDC01).....	894	1428	1498	1471	1423	1151	1346	1043	1059	1015	614	635	1131	1192
16 CSPE to West Group Util., IOU.....	49	49	49	49	49	49	48	48	48	48	48	48	49	84
17 CSPE to West Group Util., Gen.....	41	41	41	41	41	41	39	39	39	39	39	39	40	69
18 CSPE to West Group Util., Non. Gen.....	9	9	9	9	9	9	8	8	8	8	8	8	9	15
19 CSPE to West Group Util., Total.....	99	99	99	99	99	99	95	95	95	95	95	95	97	168
20 Gen Public Agen Purch, PF.....	2,161	2,541	2,743	2,825	2,596	2,481	2,270	2,023	1,863	1,831	1,890	1,956	2265	1976
21 Gen Public Agen Purch, Conserv. Trans.....	5	6	10	8	7	7	6	5	4	0	0	0	5	6
22 Gen Public Agen Purch, Total.....	2,166	2,547	2,753	2,833	2,603	2,488	2,276	2,028	1,867	1,831	1,890	1,956	2270	1981
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25 Firm Loads.....	8,248	9,438	9,898	10,065	9,607	8,955	8,898	8,433	8,425	8,441	8,009	7,877	8858	8573 check against Fed Table 2, line15.
26														
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Total Loads.....	8,248	9,438	9,898	10,065	9,607	8,955	8,898	8,433	8,425	8,441	8,009	7,877	8858	8573 check against Fed Table 2, line 19.
31														
<b>32 RESOURCES.....</b>														
33 Regulated Hydro.....	5,741	6,708	7,111	5,447	5,938	5,418	8,838	11,205	7,421	5,951	4,691	5,665	6678	6694
34 Independent Hydro.....	341	301	354	204	364	267	272.5	371	406	387	406.5	346	335	335
35 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 Sus. Pkng. Adjustment.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
38 Can. Ent. Non-Fed(CSPE).....	22	22	22	22	22	22	21	21	21	21	21	21	22	36
39 Can. Ent. Non-Fed(Cnda).....	90	90	90	90	90	90	90	90	90	90	89	89	90	49
40 Restoration.....	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-25.8	-26	-26
41 Total Hydro.....	6,168	7,095	7,551	5,737	6,388	5,771	9,195	11,661	7,912	6,423	5,182	6,095	7098	7087 check against Fed Table 2, line 28.
42 Small Thermal & Misc.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
43 Combustion Turbines.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 Renewables.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 Cogeneration.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Imports (SDC01).....	206	331	452	569	667	578	374	75	93	125	110	164	312	355
47 Contracts In (SDC01).....	287	287	287	287	287	286	287	29	287	0	150	408	240	263
48 Large Thermal (L/R Table A-10).....														
49 WNP-2.....	1054	1054	1054	1054	1054	1054	527	0	527	1,054	1,054	1,054	878	848
50 Non-Utility Generation (SDC01).....	12.9	15.8	19	18.7	18.2	16.5	11.4	14.8	15.4	12.8	12	12.7	15	13
51 Total Resources.....	7,728	8,783	9,363	7,666	8,414	7,706	10,395	11,780	8,835	7,615	6,508	7,734	8544	8567 check against Fed Table 2, line 38.
52 Hyd., Sm. Thrm & Misc. Res.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
53 Large Thermal Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
54 Spinning Reserves.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
55 ---placeholder---														
56 Federal Hydro Maint.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57 Net Resources.....	7,728	8,783	9,363	7,666	8,414	7,706	10,395	11,780	8,835	7,615	6,508	7,734	8544	8567 check against Fed Table 2, line 44
58 Firm Surplus/Deficit.....	-520	-655	-535	-2,399	-1,193	-1,249	1,497	3,347	410	-826	-1,501	-143	-314	-6 check against Fed Table 2, line 45
59 Total Surplus/Deficit.....	-520	-655	-535	-2,399	-1,193	-1,249	1,497	3,347	410	-826	-1,501	-143	-314	-6 check against Fed Table 2, line 46

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SURPLUS/DEFICIT CALCULATION  
 Summary of Loads and Resources of the Federal System  
 BPA Area under the Northwest Regional Power Act  
 Test Period October 1996 - September 2001  
 Federal System, Table 2, Average Energy 1930 Water

SDC0\_2A

	1997 Total	1998 Total	1999 Total	2000 Total	2001 Total	5-year Total
<b>1 LOADS.....</b>						
2 Federal Agencies.....	1747	1756	1769	1779	1791	8842
3 Federal + Gen Public Losses.....	1991	2019	2027	2038	2053	10128
4 USBR.....	809	810	809	809	810	4047
5 DSI Aluminum Firm.....	19822	19584	19584	19584	19584	98158
6 DSI Non-Aluminum Firm.....	2520	2520	2520	2520	2520	12600
7 DSI Firm Losses.....	631	623	624	624	623	3125
8 Sm & Non Gen Pub Purch, PF.....	30609	30593	29587	29951	30111	150850
9 #####	22	0	0	0	0	22
10 Sm & Non Gen Pub Purch, NR.....	0	0	0	0	0	0
11 Sm & Non Gen Pub Purch, Total.....	30630	30593	29587	29951	30111	150872
12 Firm System Load.....	58150	57905	56920	57305	57492	287772
<b>13 TRANSFERS OUT.....</b>						
14 Exports (SDC01).....	3374	3654	5395	6906	6822	26153
15 Contracts Out (SDC01).....	13615	14418	14671	15215	13577	71496
16 CSPE to West Group Util., IOU.....	1500	1386	954	600	582	5022
17 CSPE to West Group Util., Gen.....	1242	1146	792	504	480	4164
18 CSPE to West Group Util., Non. Gen.	258	240	168	108	102	876
19 CSPE to West Group Util., Total.....	3000	2772	1914	1212	1164	10062
20 Gen Public Agen Purch, PF.....	22087	20962	23658	24668	27179	118554
21 #####	69	70	68	67	58	332
22 Gen Public Agen Purch, Total.....	22156	21032	23726	24735	27237	118886
23 Gen Private Util Purch, NR.....	0	0	0	0	0	0
24 Federal Diversity.....	0	0	0	0	0	0
25 Firm Loads.....	100295	99781	102626	105372	106293	514368
26						
27 DSI Aluminum Nonfirm.....	0	0	0	0	0	0
28 DSI Non-Aluminum Nonfirm.....	0	0	0	0	0	0
29 DSI Nonfirm Losses.....	0	0	0	0	0	0
30 Total Loads.....	100295	99781	102626	105372	106293	514368

Routing: MPPD  
 Date: Apr 13, 1999  
 Time: 08:20

RATE DESIGN STUDY  
 Surplus Firm Power Contract Rates  
 \$/kW and mills/kWh  
 Test Period October 1996 - September 2001

Yellow: links with FINALRAM.XLS

**INPUT SECTIO**

**BASC**

**PF RATES: 5-yea**

	FY 1995	FY1996	A FY 1997	B FY1998	C FY 1999	D FY2000	E FY2001
	28.28	29.41	27.11	27.11	27.11	27.11	27.11
Demand	4.141	4.307	3.192	3.192	3.192	3.192	3.192
Generation			0.868	0.868	0.868	0.868	0.868
Transmission			2.324	2.324	2.324	2.324	2.324
Energy							
Sep-Dec	22.17	23.06	21.81	21.81	21.81	21.81	21.81
HLH			22.43	22.43	22.43	22.43	22.43
LLH			20.99	20.99	20.99	20.99	20.99
Jan-Mar			22.17	22.17	22.17	22.17	22.17
HLH			22.78	22.78	22.78	22.78	22.78
LLH			21.36	21.36	21.36	21.36	21.36
April			19.83	19.83	19.83	19.83	19.83
HLH			20.22	20.22	20.22	20.22	20.22
LLH			19.32	19.32	19.32	19.32	19.32
May-June	16.29	16.94	10.40	10.40	10.40	10.40	10.40
HLH			11.01	11.01	11.01	11.01	11.01
LLH			9.59	9.59	9.59	9.59	9.59
July			12.79	12.79	12.79	12.79	12.79
HLH			13.53	13.53	13.53	13.53	13.53
LLH			11.79	11.79	11.79	11.79	11.79
August			18.20	18.20	18.20	18.20	18.20
HLH			19.29	19.29	19.29	19.29	19.29
LLH			16.75	16.75	16.75	16.75	16.75
Load Shaping			0.32	0.32	0.32	0.32	0.32
Load Regulation			0.28	0.28	0.28	0.28	0.28
Average 5-yr pref rate @100% LF	25.38	26.39	23.79	23.79	23.79	23.79	23.79
Average 5-yr pref rate @50% LF	31.05	32.29	28.16	28.16	28.16	28.16	28.16

**PF EXCHANGE RATES: 5-ye**

Demand	4.141	4.307	2.407	2.407	2.407	2.407	2.407
Generation			0.868	0.868	0.868	0.868	0.868
Transmission			1.539	1.539	1.539	1.539	1.539
Energy							
Sep-Dec	22.17	23.06	33.26	33.26	33.26	33.26	33.26
Jan-Mar			33.77	33.77	33.77	33.77	33.77
April			29.99	29.99	29.99	29.99	29.99
May-Jun	16.29	16.94	16.33	16.33	16.33	16.33	16.33
July			20.07	20.07	20.07	20.07	20.07
August			28.61	28.61	28.61	28.61	28.61
Average 5-yr exchg rate @100% LF	25.38	26.39	32.16	32.16	32.16	32.16	32.16
Average 5-yr exchg rate @50% LF	31.05	32.29	35.46	35.46	35.46	35.46	35.46



Routing: MPPD  
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RATE DESIGN STUDY  
 Surplus Firm Power Contract Rates  
 \$/kW and mills/kWh  
 Test Period October 1996 - September 2001

	FY 1996	A FY 1997	B FY 1998	C FY 1999	D FY 2000	E FY 2001
<b>WWP CAPACITY SALE (92871)</b>						
Rx = $\$4.17 * PFx / 26.7 * (1.0175) * n$						
PF load factor: 50%						
PFx (weighted average, round tenth mill)	31.1	32.3	31.4	31.4	31.4	31.4
Rx (SP) @ Proposed Rates	5.21	5.50	5.44	5.54	5.63	5.73
Rx (SP) @ Current Rates	5.21	5.50	5.60	5.70	5.79	5.90
	4	5	6	7	8	9

<b>PGE CAPACITY SALE (94626)</b>						
CAPnew = CAPinit*(NR new/NR init)						
CAP init	5.15					
NR init	5.15					
NR new	5.15	5.36	3.91	3.91	3.91	3.91
SPnew @ Proposed Rates*	5.15	5.36	3.91	3.91	3.91	3.91
SPnew @ Current Rates	5.15	5.15	5.36	5.36	5.36	5.36
*round nearest cent						

<b>PACIFIC POWER &amp; LIGHT (PPL-)</b>						
PPL-90n = PPL-90init * BASCn / BASCinit						
BASCn (round nearest mill)	28.3	29.4	27.1	27.1	27.1	27.1
PPL-90init	4.92					
BASCinit	23.8					
PPL-90n @ Proposed Rates	5.85	6.08	5.60	5.60	5.60	5.60
PPL-90 @ Current Rates	5.85	6.08	6.08	6.08	6.08	6.08

<b>PUGET SOUND POWER &amp; LIGHT (925)</b>						
RATEnew = RATEbase * PFnew / PFbase						
RATEbase = $(28.5 * PF92 / 21.9) + 1.63$						
PF load factor: 100%						
PF base = PF June 30, 1992	22.18					
RATEbase	30.49438					
PFnew (weighted average)	25.38	26.39	27.47	27.47	27.47	27.47
RATEnew @ Proposed Rates	34.89	36.28	37.77	37.77	37.77	37.77
RATEnew @ Current Rates	34.89	36.28	36.28	36.28	36.28	36.28

<b>CONSERVATION TRANSFER</b>						
RATEnew = RATEbase * PFnew / PFbase						
PF load factor: 100%						
RATEbase	23.5					
PFbase	21.9					
PFnew (weighted average)	25.38	26.39	27.47	27.47	27.47	27.47
RATEnew @ Proposed Rates	27.23	28.32	29.48	29.48	29.48	29.48
RATEnew @ Current Rates	27.23	28.32	28.32	28.32	28.32	28.32

<b>ELECTRIC VENTURES PROGR</b>		
SPnew = $EAR - (DEMnew / (730hrs. * LF) * 1000)$		
PF load factor: 69%		
Energy Rate @ Proposed	21.95	24.16
DEMnew (weighted average)	4.31	3.19
Energy Rate @ Current	21.95	21.95
DEMnew (weighted average)	4.31	4.31
EAR @ Proposed Rates	30.5	30.50
EAR @ Current Rates	30.5	30.50
*(Expires Dec. 1996)		

Routing: MPPD  
 Date: Apr 13, 1999  
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RATE DESIGN STUDY  
 Surplus Firm Power Contract Rates  
 \$/kW and mills/kWh  
 Test Period October 1996 - September 2001

		A	B	C	D	E	
	FY 1995	FY1996	FY 1997	FY1998	FY1999	FY2000	FY2001
<b>M-S-R (92499)</b>							
SPnew = SPinit * PFnew / PFinit * (1.0175) * n							
PF load factor: 50%							
SPinit (fixed by contract)							
Demand		5					
Energy		26.9					
PFinit (PF-89) (weighted average)		26.7					
PFnew (PF-96) (weighted average)	31.05	32.29	31.37409	31.37409	31.37409	31.37409	31.37409
Demand: SPnew @ Proposed Rates*	6.23	6.59	6.45	6.57	6.68	6.80	6.92
Demand: SPnew @ Current Rates			6.71	6.83	6.95	7.07	7.19
Energy: SPnew @ Proposed Rates**	33.5	35.5	35.1	35.7	36.3	37.0	37.6
Energy: SPnew @ Current Rates			36.1	36.7	37.4	38.0	38.7
n = FY-1991	4	5	6	7	8	9	10
*round to nearest cent							
**round to nearest tenth mill							

<b>Burbank, Glendale, Pasadena (92411,-2,-)</b>							
SPnew = SPn * PFnew / PFprev							
PF load factor: 50%							
Block 2 May 15 through Oct 14							
SPn (prev SPnew) (adjust w/rate case only)							
Energy		29.60	30.78	30.78	30.78	30.78	30.78
Demand		6.65	6.91	6.91	6.91	6.91	6.91
PFprev (PF-95) (weighted average)	31.05	31.05	32.29	32.29	32.29	32.29	32.29
PFnew (PF-96) (weighted average)		32.29	31.37409	31.37409	31.37409	31.37409	31.37409
Demand: SPnew @ Proposed Rates	6.65	6.91	6.71	6.71	6.71	6.71	6.71
May (partial month)	5.15	5.35	5.20	5.20	5.20	5.20	5.20
October (partial month)	4.82	5.02	4.87	4.87	4.87	4.87	4.87
Demand: SPnew @ Current Rates			6.91	6.91	6.91	6.91	6.91
May (partial month)			5.35	5.35	5.35	5.35	5.35
October (partial month)			5.02	5.02	5.02	5.02	5.02
Energy: SPnew @ Proposed Rates	29.60	30.78	29.91	29.91	29.91	29.91	29.91
Energy: SPnew @ Current Rates			30.78	30.78	30.78	30.78	30.78

<b>SCE (mSC-86)</b>							
Rate Ceiling		43.0	43.0	43.0	43.0	43.0	43.0
Rate Floor		33.3	33.3	33.3	33.3	33.3	33.3
Proposed Formula Rate		26.4	28.3	29.2	30.2	31.3	33.3
mSC86 @ Proposed Rates		33.3	33.3	33.3	33.3	33.3	33.3
mSC86 @ Current Rates		36.2	36.2	36.2	36.2	36.2	36.2

<b>PALO ALTO POWER SALE (94508)</b>							
SPnew (weighted average) [rate fixed by contract]							
Energy							
May- weighted average	15.51	15.97	16.46	16.95	17.45	17.98	
May-HLH	19.10	19.67	20.26	20.87	21.49	22.14	
May-LLH	8.75	9.01	9.29	9.56	9.85	10.15	
June- weighted average	17.32	17.84	18.37	18.93	19.49	20.08	
June-HLH	21.22	21.85	22.51	23.19	23.88	24.60	
June-LLH	10.08	10.38	10.69	11.01	11.34	11.68	
July-weighted average	22.57	23.25	23.94	24.66	25.40	26.17	
July-HLH	26.52	27.32	28.14	28.98	29.85	30.75	
July-LLH	15.12	15.57	16.04	16.52	17.02	17.53	
<b>PALO ALTO CAPACITY SALE</b>							
Demand (Exh. C, table I from contract)	3.02	3.11	3.21	3.30	3.40	3.51	

<b>ANAHEIM &amp; RIVERSIDE CAPACITY SALES (92784,-85)</b>							
Rate changes each October 1							
SPnew = SPprev * PFnew / PFprev * 1.01							
PF load factor: 50%							
SP prev (prev yr rate)		5.70	5.99	5.88	5.93	5.99	6.05
PFprev (weighted average)	31.05	31.05	32.29	31.37	31.37	31.37	31.37
PFnew (PF-96) (weighted average)		32.29	31.37	31.37	31.37	31.37	31.37
SPnew @ Proposed Rates	5.70	5.99	5.88	5.93	5.99	6.05	6.11
SPnew @ Current Rates	5.70	5.99	6.05	6.11	6.17	6.23	6.29

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RATE DESIGN STUDY  
 Surplus Firm Power Contract Rates  
 \$/kW and mills/kWh  
 Test Period October 1996 - September 2001

	FY 1995	FY 1996	A FY 1997	B FY 1998	C FY 1999	D FY 2000	E FY 2001
<b>WEST OREGON ELEC. COOP (9466)</b>							
(fixed by contract)							
SP Meided Rate (mills/kWh)		27.8	28.6	29.4	30.2	31.0	
<b>WWP (94779)</b>							
Annual Eng plus Winter Cap and Eng fixed by contract							
Firm Capacity (\$/kw-mo.)							
Jan-Mar		3.12	3.25	3.38			
Apr-Oct		0.00	0.00	0.00			
Nov-Dec		3.00	3.12	3.25			
Energy (m/kWh)							
Jan-Mar 23.9,24.9,25.86		23.39	24.39	24.80			
Apr-Oct		23.00	24.00	24.00			
Nov-Dec 23.0,23.9, 24.9		23.00	23.96	24.39			
<b>WWP (94667)</b>							
Firm Energy Rates							
(fixed by contract)							
Energy (m/kWh)							
May - weighted average	18.27	18.91	19.56	20.25	20.96	21.69	22.45
May-HLH	20.00	20.70	21.42	22.17	22.95	23.75	24.58
May-LLH	15.00	15.53	16.07	16.63	17.21	17.81	18.43
June- weighted average	18.25	18.89	19.55	20.23	20.94	21.67	22.43
June-HLH	20.00	20.70	21.42	22.17	22.95	23.75	24.58
June-LLH	15.00	15.53	16.07	16.63	17.21	17.81	18.43
July-weighted average	21.61	22.37	23.16	23.96	24.80	25.67	26.57
July-HLH	23.00	23.81	24.64	25.50	26.39	27.31	28.27
July-LLH	19.00	19.67	20.36	21.07	21.81	22.57	23.36
Don't use these (but don't delete)							
June- weighted average							
June-HLH	21.00	21.74	22.50	23.29	24.11	24.95	25.82
June-LLH	16.00	16.56	17.14	17.74	18.36	19.00	19.67
July-weighted average							
July-HLH	24.00	24.84	25.71	26.61	27.54	28.50	29.50
July-LLH	20.00	20.70	21.42	22.17	22.95	23.75	24.58
<b>PGE (94728)</b>							
(8/1/95 - 7/31/97) (fixed by contract)							
SP Energy Rate (m/kWh)		26.47	26.47				
(\$29.12 less \$2.65/1000)							
<b>LOWER VALLEY (94839)</b>							
(10/196-9/30/01) (Fixed by contract)							
SP Energy Rate (m/KWh)			24.00	24.00	24.00	24.00	24.00
<b>EWEB Baseload (94831)</b>							
(8/1/95- 7/31/00)							
Rate changes each October 1							
SPnew = SPprev * 2.75%							
SP Demand Rate (\$/MW)		2.08	2.14	2.20	2.26	2.32	
SP Energy Rate (m/KWh)		19.81	20.35	20.91	21.49	22.08	
<b>EWEB Variable (94831)</b>							
(8/1/95- 7/31/00)							
Rate changes each October 1							
SPnew = SPprev * 2.75%							
SP Demand Rate (\$/MW)		3.57	3.67	3.77	3.87	3.98	
SP Energy Rate (m/KWh)		21.31	21.90	22.50	23.12	23.75	
<b>City of Vernon (9467)</b>							
(9/30/95-9/30/98) Rates fixed by contract							
SP Exchange/Sale							
SP Capacity Rate (\$/MW)		1.00	1.02	1.04			
SP Energy Rate (m/kWh)		23.00	23.46	23.93			



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RATE DESIGN STUDY  
 Surplus Firm Power Contract Rates  
 \$/kW and mills/kWh  
 Test Period October 1996 - September 2001

	A	B	C	D	E
	FY 1997	FY1998	FY1999	FY2000	FY2001
<b>City of Azuza (94883)</b>					
(9/30/95 - 7/31/98) Fixed by contract					
SP Exchange/Sale					
SP Energy Rates (m/kWh)					
May	14.00	14.28	14.57		
June	14.00	14.28	14.57		
July	16.00	16.32	16.65		
<b>Cowlitz County (9508)</b>					
(10/1/95-9/30/00) Rates fixed by contract					
SP Sale (energy and transmission)					
SP Rate (m/kWh)	20.80	21.42	22.06	22.72	23.40
<b>WWP (95104)</b>					
(10/1/96-9/30/01) Rate fixed in contract					
SP Sale (energy and transmission)					
SP Rate (m/kWh)		21.45	21.45	21.45	21.45
<b>PacifiCorp (99116)</b>					
(1/1/96-12/31/96)					
SP Rate		16.25	16.25		
<b>Salem Electric (95216)</b>					
(10/01/96-9/30/01)					
SP Sale (Green Power)					
SP Rate (m/kWh)		35.00	35.00	35.00	35.00

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Contract  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousand  
 Test Period October 1996 - September 1997

SDC10

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg
hours in month	744	720	744	744	672	744	720	744	720	744	744	720	8,760
1 PACIFIC NORTHWEST.....													
2 WWP Capacity Sale SP-95 (92871).....													
3 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50	600
4 Demand Rate.....	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	5.44	
5 Total Revenue.....	272	272	272	272	272	272	272	272	272	272	272	272	3,264
6 PP&L Capacity Sale PPL-90 (92497).....													
7 Peak MW.....	110	110	110	110	110	110	110	110	110	110	110	110	13,200
8 Demand Rate.....	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	
9 Total Revenue.....	616	616	616	616	616	616	616	616	616	616	616	616	73,920
10 BPA to Pacificorp (99116).....													
11 Average MW.....	50	50	50	0	0	0	0	0	0	0	0	0	13
12 Energy Rate.....	16.25	16.25	16.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13 Energy Revenue.....	605	585	605	0	0	0	0	0	0	0	0	0	1,794
14 Peak MW.....	50	50	50	0	0	0	0	0	0	0	0	0	150
15 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Revenue.....	605	585	605	0	0	0	0	0	0	0	0	0	1,794
18 PGE Capacity Sale SP (94626).....													
19 Peak MW.....	90	90	150	150	150	90	90	90	90	90	90	90	1,260
20 Demand Rate.....	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	
21 Total Revenue.....	352	352	587	587	587	352	352	352	352	352	352	352	4,920
22 Conservation Transfer SP-95 (92795,-7)													
23 Average MW.....	5	6	10	8	7	7	5	4	5	3	5	4	6
24 Energy Rate.....	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	29.45	
25 Energy Revenue.....	110	127	219	175	139	154	106	88	106	66	110	85	1,484
26 Peak MW.....	7	9	12	12	10	8	8	7	7	6	6	7	99
27 Total Revenue.....	110	127	219	175	139	154	106	88	106	66	110	85	1,484
28 Electric Ventures SP-95 (92759).....													
29 Average MW.....	7.2	7.2	7.2	0	0	0	0	0	0	0	0	0	2
30 Energy Rate.....	30.50	30.50	30.50										
31 Energy Revenue.....	163	158	163	0	0	0	0	0	0	0	0	0	485
32 Peak MW.....	8	8	8	0	0	0	0	0	0	0	0	0	24
33 Total Revenue.....	163	158	163	0	0	0	0	0	0	0	0	0	485
34 BPA to EWEB, Base Load (94831).....													
35 Average MW.....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42
36 Energy Rate.....	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	20.35	
37 Energy Revenue.....	477	1125	1484	1590	1145	845	513	0	0	0	53	205	7,445
38 Peak MW.....	45	110	140	150	120	80	50	0	0	0	5	20	720
39 Demand Rate.....	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	2.14	
40 Peak Revenue.....	96	235	295	321	256	171	107	0	0	0	11	43	1,535
41 Total Revenue.....	573	1364	1783	1911	1405	1015	620	0	0	0	64	248	8,987
42 BPA to EWEB, Variable (94831).....													
43 Average MW.....	15	15	15	15	15	15	15	15	15	15	15	15	15
44 Energy Rate.....	21.90	21.90	21.90	21.90	21.90	21.90	21.90	21.90	21.90	21.90	21.90	21.90	
45 Energy Revenue.....	244	236	244	244	221	244	236	244	236	244	244	236	2,877
46 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50	600
47 Demand Rate.....	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	3.67	
48 Peak Revenue.....	183	183	183	183	183	183	183	183	183	183	183	183	2,201
49 Total Revenue.....	428	420	428	428	404	428	420	428	420	428	428	420	5,075
50 BPA to Western Oregon (94697).....													
51 Average MW.....	7	9	9	10	9	8	8	7	7	6	6	7	8
52 Energy Rate.....	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	28.60	
53 Energy Revenue.....	149	185	192	213	173	170	165	145	144	128	128	144	1,935
54 Peak MW.....	11	13	14	15	15	13	13	11	10	9	9	10	143
55 Total Revenue.....	149	185	192	213	173	170	165	145	144	128	128	144	1,935
56 BPA to Lower Valley (94839).....													
57 Average MW.....	42	57	72	72	67	58	46	41	39	42	41	40	51
58 Energy Rate.....	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	
59 Energy Revenue.....	750	985	1286	1286	1081	1035	795	732	674	750	732	691	10,791
60 Peak MW.....	67	86	109	108	109	93	73	64	57	59	57	60	942
61 Total Revenue.....	750	985	1286	1286	1081	1035	795	732	674	750	732	691	10,791
62 BPA to WWP, Riverside (94667).....													
63 Average MW.....	0	0	0	0	0	0	0	25	25	25	0	0	6
64 Energy Rate.....								19.50	19.50	23.10			
65 Energy Revenue.....	0	0	0	0	0	0	0	364	352	431	0	0	1,147
66 Peak MW.....	0	0	0	0	0	0	0	25	25	25	0	0	75
67 Total Revenue.....	0	0	0	0	0	0	0	364	352	431	0	0	1,147

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Contract  
 at Other Than Fully Allocated Cost  
 Average Megawatts, \$ Thousand  
 Test Period October 1996 - September 1997

SDC10

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg
68 BPA to WWP, Clark (94779).....													
69 Average MW.....	100	175	175	175	175	175	100	100	100	100	100	100	131
70 Energy Rate.....	24.00	23.90	23.90	24.30	24.30	24.30	24.00	24.00	24.00	24.00	24.00	24.00	
71 Energy Revenue.....	1780	3010	3110	3170	2860	3170	1720	1780	1720	1780	1780	1720	27,680
72 Peak MW.....	100	250	250	250	250	250	100	100	100	100	100	100	1,950
73 Demand Rate.....	0.00	3.10	3.10	3.20	3.20	3.20	0.00	0.00	0.00	0.00	0.00	0.00	
74 Peak Revenue.....	0	780	780	810	810	810	0	0	0	0	0	0	3,990
75 Total Revenue.....	1780	3790	3890	3980	3680	3980	1720	1780	1720	1780	1780	1720	31,680
76 BPA to WWP, Power Sale (95104).....													
77 Average MW.....	115	115	115	115	115	115	115	115	115	115	115	115	115
78 Energy Rate.....	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	
79 Energy Revenue.....	1830	1770	1830	1830	1650	1830	1770	1830	1770	1830	1830	1770	21,600
80 Peak MW.....	115	115	115	115	115	115	115	115	115	115	115	115	1,380
81 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
82 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Revenue.....	1830	1770	1830	1830	1650	1830	1770	1830	1770	1830	1830	1770	21,600
84 BPA to PGE, Canby (94728).....													
85 Average MW.....	13	16	18	17	16	14	13	12	10	10	0	0	12
86 Energy Rate.....	26.47	26.47	26.47	26.47	26.47	26.47	26.47	26.47	26.47	26.47			
87 Energy Revenue.....	256	305	354	335	285	270	248	230	191	197	0	0	2,680
88 Peak MW.....	13	16	18	17	16	14	13	12	10	10	0	0	139
89 Total Revenue.....	256	305	354	335	285	270	248	230	191	197	0	0	2,680
90 PSP&L mSL-87 (92527).....													
91 Average MW.....	150	150	150	150	150	150	0	0	0	0	0	0	75
92 Energy Rate.....	37.77	37.77	37.77	37.77	37.77	37.77							
93 Energy Revenue.....	4210	4070	4210	4210	3807	4210	0	0	0	0	0	0	24,740
94 Peak MW.....	300	300	300	300	300	300	0	0	0	0	0	0	1,800
95 Total Revenue.....	4210	4070	4210	4210	3807	4210	0	0	0	0	0	0	24,740
96 BPA to Cowitz, SP sale (95084).....													
97 Average MW.....	150	150	150	150	150	150	150	150	150	150	150	150	150
98 Energy Rate.....	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	
99 Energy Revenue.....	2390	2310	2390	2390	2150	2390	2310	2390	2310	2390	2390	2310	28,140
100 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,800
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Total Revenue.....	2390	2310	2390	2390	2150	2390	2310	2390	2310	2390	2390	2310	28,140
104 BPA to Salem Electric, SP sale (95216).....													
105 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	7	1
106 Energy Rate.....	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	
107 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	170	170
108 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	7	7
109 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
110 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	170	170
112 Forecasted sales: BPA to Marketers.....													
113 Average MW.....	139	130	130	130	130	130	130	130	130	130	130	130	139
114 Energy Rate.....	24.10	24.10	24.10	24.80	25.00	24.80	23.10	15.40	15.40	17.60	21.60	24.10	
115 Energy Revenue.....	2490	2420	2490	2570	2340	2570	2320	1590	1550	1820	2240	2420	26,840
116 Peak MW.....	151	151	151	151	151	151	151	151	151	151	151	151	1,810
117 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
118 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Total Revenue.....	2490	2420	2490	2570	2340	2570	2320	1590	1550	1820	2240	2420	26,840
120 Forecasted sales: BPA to IOUs.....													
121 Average MW.....	0	0	0	0	0	0	211	211	211	211	0	0	70
122 Energy Rate.....	23.10	23.80	23.70	23.70	23.80	23.10	19.20	19.20	19.20	19.20	23.10	23.10	
123 Energy Revenue.....	0	0	0	0	0	0	2920	3020	2920	3020	0	0	11,880
124 Peak MW.....	0	12	12	12	12	0	225	225	225	225	0	0	948
125 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
126 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Total Revenue.....	0	0	0	0	0	0	2920	3020	2920	3020	0	0	11,880
128 NW Alum, Intalco, Col. Alum.....													
129 Average MW.....	79	79	50	30	0	0	0	0	0	0	0	0	20
130 Energy Rate.....	29.10	29.10	29.10	29.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
131 Energy Revenue.....	1710	1650	1080	650	0	0	0	0	0	0	0	0	5,090
132 Peak MW.....	80	80	51	30	0	0	0	0	0	0	0	0	
133 Total Revenue.....	1710	1650	1080	650	0	0	0	0	0	0	0	0	5,090
134													
135 Total PNW-OTFAC.....													
136 Average MW.....	904	1040	1050	980	927	887	837	810	816	816	570	591	855
137 Energy Revenue.....	17180	18970	19680	18680	15880	16910	13120	12440	11990	12667	9510	9777	176,840
138 Peak MW.....	2387	2640	2730	2660	2590	2460	2180	2150	2140	2140	1880	1910	27,890
139 Peak Revenue.....	7060	7980	8280	8330	8270	7950	7070	6967	6967	6967	6970	7010	89,840
140 Total Revenue.....	24240	26950	27960	27010	24150	24860	20190	19407	18961	19630	16490	16787	266,680

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg
hours in month	744	720	744	744	672	744	720	744	720	744	744	720	8,760
141 PACIFIC SOUTHWEST.....													
142 Anaheim SP-95 (92784).....													
143 Peak MW.....	0	16	16	16	16	16	16	24	0	0	0	0	120
144 Demand Rate.....		5.8E	5.8E	5.8E	5.8E	5.8E	5.8E	5.8E					
145 Total Revenue.....	0	94	94	94	94	94	94	141	0	0	0	0	705
146 Riverside SP-95 (92858).....													
147 Peak MW.....	0	16	16	16	16	16	16	23	0	0	0	0	119
148 Demand Rate.....		5.8E	5.8E	5.8E	5.8E	5.8E	5.8E	5.8E					
149 Total Revenue.....	0	94	94	94	94	94	94	135	0	0	0	0	699
150 Palo Alto SP (94508).....													
151 Peak MW.....	20	0	0	0	0	0	0	0	0	0	20	20	60
152 Demand Rate.....	3.11										3.11	3.11	
153 Total Revenue.....	62	0	0	0	0	0	0	0	0	0	62	62	187
154 Burbank SP-95 (92411).....													
155 Average MW.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.6	16
156 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	
157 Energy Revenue.....	347	243	251	240	199	229	233	403	504	563	587	528	4,32E
158 Peak MW.....	40	20	20	20	20	20	20	40	40	40	40	40	360
159 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71	
160 Peak Revenue.....	195	134	134	134	134	134	134	208	269	269	269	269	2,28E
161 Total Revenue.....	542	378	386	375	333	363	367	611	772	832	856	796	6,611
162 Glendale SP-95 (92412).....													
163 Average MW.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.5	13.1	14.2	13.2	8
164 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	
165 Energy Revenue.....	140	95	100	134	107	107	118	205	256	292	316	284	2,15E
166 Peak MW.....	20	10	10	10	10	10	10	20	20	20	20	20	180
167 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71	
168 Peak Revenue.....	97	67	67	67	67	67	67	104	134	134	134	134	1,141
169 Total Revenue.....	238	162	167	201	174	174	186	309	391	426	450	419	3,29E
170 Pasadena SP-95 (92413).....													
171 Average MW.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3
172 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	
173 Energy Revenue.....	85	47	49	49	44	47	50	80	93	102	102	99	847
174 Peak MW.....	6	6	6	6	6	6	6	6	6	6	6	6	72
175 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71	
176 Peak Revenue.....	29	40	40	40	40	40	40	31	40	40	40	40	463
177 Total Revenue.....	114	88	89	89	85	87	90	111	133	143	143	139	1,31E
178 M-S-R SP-95 (92499).....													
179 Average MW.....	113.5	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75
169 Energy Rate.....	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	
170 Energy Revenue.....	2974	194E	137E	141E	1061	117E	1137	1230	197E	2990	2930	3002	23,22E
171 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,800
172 Demand Rate.....	6.4E	6.4E	6.4E	6.4E	6.4E	6.4E	6.4E	6.4E	6.4E	6.4E	6.4E	6.4E	
173 Peak Revenue.....	968	96E	96E	96E	96E	96E	96E	96E	96E	96E	96E	96E	11,61E
174 Total Revenue.....	3942	291E	234E	238E	202E	214E	210E	2197	294E	395E	389E	397E	34,83E
175 SCE mSC-86 (92275).....													
176 Average MW.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134
177 Energy Rate.....	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	
178 Energy Revenue.....	324E	3481	3394	3394	302E	3360	3141	324E	3141	324E	324E	3141	39,06E
179 Peak MW.....	250	250	250	250	250	250	250	250	250	250	250	250	3,000
180 Total Revenue.....	324E	3481	3394	3394	302E	3360	3141	324E	3141	324E	324E	3141	39,06E

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Contract  
 at Other Than Fully Allocated Cost  
 Average Megawatts, \$ Thousand  
 Test Period October 1996 - September 1997

SDC10

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Average
181 Palo Alto SP- (94508).....													
182 Average MW.....	0	0	0	0	0	0	0	20	20	20	0	0	5
183 Energy Rate.....								15.97	17.82	23.22			
184 Energy Revenue.....	0	0	0	0	0	0	0	238	257	346	0	0	840
185 Peak MW.....	0	0	0	0	0	0	0	20	20	20	0	0	60
186 Demand Rate.....								3.11	3.11	3.11			
187 Peak Revenue.....	0	0	0	0	0	0	0	62	62	62	0	0	187
188 Total Revenue.....	0	0	0	0	0	0	0	300	318	408	0	0	1,027
189 City of Azusa (94883).....													
190 Average MW.....	0	0	0	0	0	0	0	2	2	2	0	0	1
191 Energy Rate.....								14.28	14.28	16.32			
192 Energy Revenue.....	0	0	0	0	0	0	0	21	21	24	0	0	66
193 Total Revenue.....	0	0	0	0	0	0	0	21	21	24	0	0	66
194 Total PSW-OTFAC.....													
195 Average MW.....	271	240	208	210	198	198	195	231	271	311	288	292	243
196 Energy Revenue.....	6792	5818	5174	5232	4438	4917	4678	5422	6250	7563	7181	7054	70,518
197 Peak MW.....	486	468	468	468	468	468	468	533	486	486	486	486	5,771
198 Peak Revenue.....	1351	1397	1397	1397	1397	1397	1397	1648	1473	1473	1473	1473	17,278
199 Total Revenue.....	8143	7212	6571	6630	5836	6315	6076	7071	7723	9036	8654	8527	87,798
200													
201 Total PNW & PSW-OTFAC.....													
202 Average MW.....	1174	1288	1266	1196	1128	1088	1032	1050	1087	1127	863	883	1,098
203 Energy Revenue.....	23977	24788	24858	23913	20321	21833	17803	17862	18244	20230	16700	16831	247,358
204 Peak.....	2873	3108	3198	3128	3068	2932	2658	2683	2628	2628	2368	2398	33,668
205 Peak Revenue.....	8418	9380	9678	9732	9668	9348	8471	8618	8440	8440	8451	8483	107,128
206 Total Revenue.....	32392	34168	34536	33648	29988	31181	26274	26478	26684	28670	25150	25314	354,488

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Contract  
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 Average Megawatts, \$ Thousand  
 Test Period October 1996 - September 1997

SDC1C

	A	B	C	D	E	F	G	H	I	J	K	L	M	2-Year
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Total/Avg	Avg/Total
hours in month	744	720	744	744	672	744	720	744	720	744	744	720	8,760	
1 PACIFIC NORTHWEST.....														
2 WWP Capacity Sale SP-95 (92871).....													600	600
3 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50		
4 Demand Rate.....	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54	5.54		
5 Total Revenue.....	277	277	277	277	277	277	277	277	277	277	277	277	3,324	6,588
6 PP&L Capacity Sale PPL-90 (92497).....														
7 Peak MW.....	110C	110C	110C	110C	110C	110C	110C	110C	110C	110C	110C	110C	13,200	13,200
8 Demand Rate.....	5.6C	5.6C	5.6C	5.6C	5.6C	5.6C	5.6C	5.6C	5.6C	5.6C	5.6C	5.6C		
9 Total Revenue.....	616C	616C	616C	616C	616C	616C	616C	616C	616C	616C	616C	616C	73,920	147,840
10 BPA to PacifiCorp (99116).....														
11 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6
12 Energy Rate.....	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C		
13 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	897
14 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	150
15 Demand Rate.....	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C	0.0C		
16 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,794
18 PGE Capacity Sale SP (94626).....														
19 Peak MW.....	90	90	150	150	150	90	90	90	90	90	90	90	1,260	1,260
20 Demand Rate.....	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91		
21 Total Revenue.....	352	352	587	587	587	352	352	352	352	352	352	352	4,927	9,854
22 Conservation Transfer SP-95 (92795,-7,														
23 Average MW.....	5	7	10	8	8	7	5	4	4	3	5	4	6	6
24 Energy Rate.....	29.4E	29.4E	29.4E	29.4E	29.4E	29.4E	29.4E	29.4E	29.4E	29.4E	29.4E	29.4E		
25 Energy Revenue.....	110	14E	21E	17E	15E	154	106	88	85	66	110	85	1,504	2,98E
26 Peak MW.....	8	9	12	12	10	8	8	7	6	5	6	7	98	99
27 Total Revenue.....	110	14E	21E	17E	15E	154	106	88	85	66	110	85	1,504	2,98E
28 Electric Ventures SP-95 (92759).....														
29 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30 Energy Rate.....														
31 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	48E
32 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	12
33 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	48E
34 BPA to EWEB, Base Load (94831).....														
35 Average MW.....	31.5	77	98	10E	84	56	35	0	0	0	3.5	14	42	42
36 Energy Rate.....	20.91	20.91	20.91	20.91	20.91	20.91	20.91	20.91	20.91	20.91	20.91	20.91		
37 Energy Revenue.....	490	116C	152E	1634	1181	871	527	0	0	0	54	211	7,65C	7,55C
38 Peak MW.....	45	11C	14C	15C	12C	80	50	0	0	0	5	20	720	1,44C
39 Demand Rate.....	2.2C	2.2C	2.2C	2.2C	2.2C	2.2C	2.2C	2.2C	2.2C	2.2C	2.2C	2.2C		
40 Peak Revenue.....	99	242	307	32E	264	17E	110	0	0	0	11	44	1,581	3,12C
41 Total Revenue.....	589	1401	1832	196C	1444	1047	637	0	0	0	65	255	9,234	18,22C
42 BPA to EWEB, Variable (94831).....														
43 Average MW.....	15	15	15	15	15	15	15	15	15	15	15	15	15	15
44 Energy Rate.....	22.5C	22.5C	22.5C	22.5C	22.5C	22.5C	22.5C	22.5C	22.5C	22.5C	22.5C	22.5C		
45 Energy Revenue.....	251	243	251	251	227	251	243	251	243	251	251	243	2,95E	5,83C
46 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
47 Demand Rate.....	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77	3.77		
48 Peak Revenue.....	188	18E	18E	18E	18E	18E	18E	18E	18E	18E	18E	18E	2,261	4,46C
49 Total Revenue.....	440	431	440	440	415	440	431	440	431	440	440	431	5,21E	10,29E
50 BPA to Western Oregon (94697).....														
51 Average MW.....	7	9	9	10	10	8	8	7	7	6	6	3	8	8
52 Energy Rate.....	29.4C	29.4C	29.4C	29.4C	29.4C	29.4C	29.4C	29.4C	29.4C	29.4C	29.4C	29.4C		
53 Energy Revenue.....	153	191	197	21E	19E	17E	16E	15C	14E	131	131	64	1,92E	3,86E
54 Peak MW.....	11	13	14	15	15	14	13	12	10	9	9	10	145	144
55 Total Revenue.....	153	191	197	21E	19E	17E	16E	15C	14E	131	131	64	1,92E	3,86E
56 BPA to Lower Valley (94839).....														
57 Average MW.....	43	58	73	73	68	58	46	41	39	42	41	40	52	52
58 Energy Rate.....	24.0C	24.0C	24.0C	24.0C	24.0C	24.0C	24.0C	24.0C	24.0C	24.0C	24.0C	24.0C		
59 Energy Revenue.....	768	100E	130C	130C	1097	103E	79E	73E	674	750	73E	691	10,884	21,68C
60 Peak MW.....	68	88	110	10E	110	94	74	65	58	60	58	61	955	94E
61 Total Revenue.....	768	100E	130C	130C	1097	103E	79E	73E	674	750	73E	691	10,884	21,68C
62 BPA to WWP, Riverside (94667).....														
63 Average MW.....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
64 Energy Rate.....								20.2E	20.2E	23.9E				
65 Energy Revenue.....	0	0	0	0	0	0	0	377	364	446	0	0	1,18E	2,33C
66 Peak MW.....	0	0	0	0	0	0	0	25	25	25	0	0	75	75
67 Total Revenue.....	0	0	0	0	0	0	0	377	364	446	0	0	1,18E	2,33C

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RATE DESIGN STUDY  
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 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	2-Year
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Total/Avg	Avg/To
68 BPA to WWP, Clark (94779).....														
69 Average MW.....	100	175	175	175	175	175	100	100	100	100	0	0	115	123
70 Energy Rate.....	24.00	24.30	24.30	24.80	24.80	24.80	24.00	24.00	24.00	24.00	24.00	24.00		
71 Energy Revenue.....	1780	3070	3170	3220	2910	3220	1720	1780	1720	1780	0	0	24,430	52,110
72 Peak MW.....	100	250	250	250	250	250	100	100	100	100	0	0	1,750	1,850
73 Demand Rate.....	0.00	3.20	3.20	3.30	3.30	3.30	0.00	0.00	0.00	0.00	0.00	0.00		
74 Peak Revenue.....	0	810	810	845	845	845	0	0	0	0	0	0	4,160	8,150
75 Total Revenue.....	1780	3880	3980	4070	3760	4070	1720	1780	1720	1780	0	0	28,590	60,270
76 BPA to WWP, Power Sale (95104).....														
77 Average MW.....	115	115	115	115	115	115	115	115	115	115	115	115	115	115
78 Energy Rate.....	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40		
79 Energy Revenue.....	1830	1770	1830	1830	1650	1830	1770	1830	1770	1830	1830	1770	21,600	43,210
80 Peak MW.....	115	115	115	115	115	115	115	115	115	115	115	115	1,380	1,380
81 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
82 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Revenue.....	1830	1770	1830	1830	1650	1830	1770	1830	1770	1830	1830	1770	21,600	43,210
84 BPA to PGE, Canby (94728).....														
85 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6
86 Energy Rate.....														
87 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,680
88 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	70
89 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,680
90 PSP&L mSL-87 (92527).....														
91 Average MW.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
92 Energy Rate.....	37.70	37.70	37.70	37.70	37.70	37.70								
93 Energy Revenue.....	4210	4070	4210	4210	3807	4210	0	0	0	0	0	0	24,740	49,490
94 Peak MW.....	300	300	300	300	300	300	0	0	0	0	0	0	1,800	1,800
95 Total Revenue.....	4210	4070	4210	4210	3807	4210	0	0	0	0	0	0	24,740	49,490
96 BPA to Cowlitz, SP sale (95084).....														
97 Average MW.....	150	150	150	150	150	150	150	150	150	150	150	150	150	150
98 Energy Rate.....	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00		
99 Energy Revenue.....	2460	2380	2460	2460	2224	2460	2380	2460	2380	2460	2460	2380	28,980	57,130
100 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,800	1,800
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Total Revenue.....	2460	2380	2460	2460	2224	2460	2380	2460	2380	2460	2460	2380	28,980	57,130
104 BPA to Salem Electric, SP sale (95216).....														
105 Average MW.....	7	7	7	7	7	7	7	7	7	7	7	7	7	4
106 Energy Rate.....	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00		
107 Energy Revenue.....	182	170	182	182	165	182	170	182	170	182	182	170	2,140	2,320
108 Peak MW.....	7	7	7	7	7	7	7	7	7	7	7	7	84	46
109 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
110 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Total Revenue.....	182	170	182	182	165	182	170	182	170	182	182	170	2,140	2,320
112 Forecasted sales: BPA to Marketers.....														
113 Average MW.....	216	216	216	216	216	216	216	216	216	216	216	216	216	170
114 Energy Rate.....	24.10	24.10	24.10	24.80	25.00	24.80	23.10	15.40	15.40	17.60	21.60	24.10		
115 Energy Revenue.....	3870	3760	3870	3997	3642	3997	3607	2470	2400	2820	3481	3760	41,710	68,550
116 Peak MW.....	247	247	247	247	247	247	247	247	247	247	247	247	2,960	2,380
117 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
118 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Total Revenue.....	3870	3760	3870	3997	3642	3997	3607	2470	2400	2820	3481	3760	41,710	68,550
120 Forecasted sales: BPA to IOUs.....														
121 Average MW.....	0	0	0	0	0	0	268	260	260	260	0	0	89	80
122 Energy Rate.....	23.10	23.80	23.70	23.70	23.80	23.10	19.20	19.20	19.20	19.20	23.10	23.10		
123 Energy Revenue.....	0	0	0	0	0	0	3710	3830	3710	3830	0	0	15,090	26,980
124 Peak MW.....	27	52	52	52	52	27	301	301	301	301	27	27	1,520	1,230
125 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
126 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Total Revenue.....	0	0	0	0	0	0	3710	3830	3710	3830	0	0	15,090	26,980
128 NW Alum, Intalco, Col. Alum.....														
129 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	10
130 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
131 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,090
132 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,090
134														
135 Total PNW-OTFAC.....														
136 Average MW.....	840	970	1010	1020	990	957	965	940	940	947	550	564	890	870
137 Energy Revenue.....	16120	17900	19240	19500	17270	18400	15220	14180	13690	14570	9230	9390	184,840	361,680
138 Peak MW.....	2360	2630	2740	2750	2720	2580	2350	2310	2300	2300	1910	1930	28,950	56,840
139 Peak Revenue.....	7070	8030	8330	8380	8320	7990	7080	6970	6970	6970	6980	7020	90,170	180,020
140 Total Revenue.....	23200	26200	27570	27880	25590	26400	22310	21150	20670	21550	16220	16410	275,010	541,700

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	2-Year
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Total/Avg	Avg/Total
141 PACIFIC SOUTHWEST.....	744	720	744	744	672	744	720	744	720	744	744	720	8,760	
142 Anaheim SP-95 (92784).....														
143 Peak MW.....	0	16	16	16	16	16	16	24	0	0	0	0	120	120
144 Demand Rate.....		5.90	5.90	5.90	5.90	5.90	5.90	5.90						
145 Total Revenue.....	0	95	95	95	95	95	95	142	0	0	0	0	712	1,411
146 Riverside SP-95 (92858).....														
147 Peak MW.....	0	16	16	16	16	16	16	23	0	0	0	0	119	119
148 Demand Rate.....		5.90	5.90	5.90	5.90	5.90	5.90	5.90						
149 Total Revenue.....	0	95	95	95	95	95	95	136	0	0	0	0	706	1,405
150 Palo Alto SP (94508).....														
151 Peak MW.....	20	0	0	0	0	0	0	0	0	0	20	20	60	60
152 Demand Rate.....	3.21										3.21	3.21		
153 Total Revenue.....	64.2	0	0	0	0	0	0	0	0	0	64.2	64.2	193	379
154 Burbank SP-95 (92411).....														
155 Average MW.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.6	16	16
156 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
157 Energy Revenue.....	347	243	251	240	199	229	233	403	504	563	587	528	4,328	8,656
158 Peak MW.....	40	20	20	20	20	20	20	40	40	40	40	40	360	360
159 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71		
160 Peak Revenue.....	195	134	134	134	134	134	134	208	269	269	269	269	2,280	4,560
161 Total Revenue.....	542	378	386	375	333	363	367	611	772	832	856	796	6,611	13,222
162 Glendale SP-95 (92412).....														
163 Average MW.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.9	13.1	14.2	13.2	8	8
164 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
165 Energy Revenue.....	140	95	100	134	107	107	118	205	256	292	316	284	2,150	4,300
166 Peak MW.....	20	10	10	10	10	10	10	20	20	20	20	20	180	180
167 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71		
168 Peak Revenue.....	97	67	67	67	67	67	67	104	134	134	134	134	1,141	2,280
169 Total Revenue.....	238	162	167	201	174	174	186	309	391	426	450	419	3,290	6,580
170 Pasadena SP-95 (92413).....														
171 Average MW.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
172 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
173 Energy Revenue.....	85	47	49	49	44	47	50	80	93	102	102	99	847	1,690
174 Peak MW.....	6	6	6	6	6	6	6	6	6	6	6	6	72	72
175 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71		
176 Peak Revenue.....	29	40	40	40	40	40	40	31	40	40	40	40	463	927
177 Total Revenue.....	114	88	89	89	85	87	90	111	133	143	143	139	1,310	2,620
178 M-S-R SP-95 (92499).....														
179 Average MW.....	113.9	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
180 Energy Rate.....	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7		
181 Energy Revenue.....	3025	1982	1402	1440	1080	1195	1157	1251	2013	3041	2980	3054	23,610	46,840
182 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,800	1,800
183 Demand Rate.....	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57	6.57		
184 Peak Revenue.....	986	986	986	986	986	986	986	986	986	986	986	986	11,820	23,430
185 Total Revenue.....	4011	2967	2388	2425	2065	2181	2142	2237	2996	4027	3966	4035	35,440	70,270
186 SCE mSC-86 (92275).....														
187 Average MW.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
188 Energy Rate.....	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3		
189 Energy Revenue.....	3246	3481	3394	3394	3028	3360	3141	3246	3141	3246	3246	3141	39,060	78,120
190 Peak MW.....	250	250	250	250	250	250	250	250	250	250	250	250	3,000	3,000
191 Total Revenue.....	3246	3481	3394	3394	3028	3360	3141	3246	3141	3246	3246	3141	39,060	78,120



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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Contract  
 at Other Than Fully Allocated Cost  
 Average Megawatts, \$ Thousand  
 Test Period October 1996 - September 1997

SDC10

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	2-Year
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	Total/Avg	Avg/Total
181 Palo Alto SP- (94508).....														
182 Average MW.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
183 Energy Rate.....								16.46	18.37	23.94				
184 Energy Revenue.....	0	0	0	0	0	0	0	245	265	356	0	0	866	1,706
185 Peak MW.....	0	0	0	0	0	0	0	20	20	20	0	0	60	60
186 Demand Rate.....								3.21	3.21	3.21				
187 Peak Revenue.....	0	0	0	0	0	0	0	64.2	64.2	64.2	0	0	193	379
188 Total Revenue.....	0	0	0	0	0	0	0	309	329	420	0	0	1,056	2,085
189 City of Azusa (94883).....														
190 Average MW.....	0	0	0	0	0	0	0	2	2	2	0	0	1	1
191 Energy Rate.....								14.57	14.57	16.66				
192 Energy Revenue.....	0	0	0	0	0	0	0	22	21	25	0	0	67	134
193 Total Revenue.....	0	0	0	0	0	0	0	22	21	25	0	0	67	134
194 Total PSW-OTFAC.....														
195 Average MW.....	271	240	208	210	198	198	195	231	271	311	288	292	243	243
196 Energy Revenue.....	6843	5846	5197	5257	4457	4936	4698	5451	6292	7625	7232	7105	70,941	141,461
197 Peak MW.....	486	468	468	468	468	468	468	533	486	486	486	486	5,771	5,771
198 Peak Revenue.....	1371	1417	1417	1417	1417	1417	1417	1672	1493	1493	1493	1493	17,511	34,791
199 Total Revenue.....	8214	7266	6614	6674	5874	6356	6115	7122	7786	9117	8724	8596	88,456	176,251
200														
201 Total PNW & PSW-OTFAC.....														
202 Average MW.....	1110	1216	1226	1234	1196	1156	1160	1179	1217	1256	847	856	1,136	1,116
203 Energy Revenue.....	22971	23841	24436	24756	21726	23344	19920	19631	19990	22196	16470	16496	255,781	503,141
204 Peak.....	2854	3096	3215	3226	3194	3050	2823	2852	2796	2796	2400	2420	34,721	34,191
205 Peak Revenue.....	8447	9446	9746	9803	9736	9416	8504	8646	8470	8470	8481	8514	107,691	214,811
206 Total Revenue.....	31416	33290	34186	34560	31466	32756	28426	28280	28461	30666	24951	25010	363,471	717,961

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	A	B	C	D	E	F	G	H	I	J	K	L	M	3-Year
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg	Avg/To
hours in month	744	720	744	744	672	744	720	744	720	744	744	720	8,760	
1 PACIFIC NORTHWEST.....														
2 WWP Capacity Sale SP-95 (92871).....														
3 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
4 Demand Rate.....	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63	5.63		
5 Total Revenue.....	282	282	282	282	282	282	282	282	282	282	282	282	3,375	9,960
6 PP&L Capacity Sale PPL-90 (92497).....														
7 Peak MW.....	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	13,200	13,200
8 Demand Rate.....	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60		
9 Total Revenue.....	6160	6160	6160	6160	6160	6160	6160	6160	6160	6160	6160	6160	73,920	221,760
10 BPA to PacifiCorp (99116).....														
11 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
12 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
13 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,790
14 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	50
15 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,790
18 PGE Capacity Sale SP (94626).....														
19 Peak MW.....	90	90	150	150	150	90	90	90	90	90	90	90	1,260	1,260
20 Demand Rate.....	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91		
21 Total Revenue.....	352	352	587	587	587	352	352	352	352	352	352	352	4,920	14,780
22 Conservation Transfer SP-95 (92795,-7,														
23 Average MW.....	5	7	10	8	7	7	5	4	4	3	4	4	6	6
24 Energy Rate.....	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40		
25 Energy Revenue.....	110	140	210	175	139	154	106	88	85	66	88	85	1,460	4,450
26 Peak MW.....	7	9	12	12	10	9	8	7	6	6	6	6	98	98
27 Total Revenue.....	110	140	210	175	139	154	106	88	85	66	88	85	1,460	4,450
28 Electric Ventures SP-95 (92759).....														
29 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30 Energy Rate.....														
31 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
32 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	8
33 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
34 BPA to EWEB, Base Load (94831).....														
35 Average MW.....	31.5	77	98	105	84	56	35	0	0	0	3.5	14	42	42
36 Energy Rate.....	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40		
37 Energy Revenue.....	504	1191	1567	1670	1210	890	542	0	0	0	56	217	7,860	22,960
38 Peak MW.....	45	110	140	150	120	80	50	0	0	0	5	20	720	720
39 Demand Rate.....	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20	2.20		
40 Peak Revenue.....	102	240	316	330	270	180	110	0	0	0	11	45	1,620	4,740
41 Total Revenue.....	605	1440	1880	2010	1480	1070	650	0	0	0	67	262	9,480	27,700
42 BPA to EWEB, Variable (94831).....														
43 Average MW.....	15	15	15	15	15	15	15	15	15	15	15	15	15	15
44 Energy Rate.....	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10	23.10		
45 Energy Revenue.....	258	250	258	250	233	250	250	250	250	250	250	250	3,030	8,870
46 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
47 Demand Rate.....	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87	3.87		
48 Peak Revenue.....	194	194	194	194	194	194	194	194	194	194	194	194	2,320	6,780
49 Total Revenue.....	452	440	452	452	427	452	443	452	443	452	452	443	5,360	15,650
50 BPA to Western Oregon (94697).....														
51 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
52 Energy Rate.....	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20	30.20		
53 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,860
54 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	96
55 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,860
56 BPA to Lower Valley (94839).....														
57 Average MW.....	44	58	74	74	69	59	47	42	40	43	42	41	53	52
58 Energy Rate.....	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00		
59 Energy Revenue.....	786	1000	1321	1321	1110	1050	812	750	691	768	750	708	11,070	32,750
60 Peak MW.....	70	89	112	110	112	95	76	66	59	61	59	62	971	950
61 Total Revenue.....	786	1000	1321	1321	1110	1050	812	750	691	768	750	708	11,070	32,750
62 BPA to WWP, Riverside (94667).....														
63 Average MW.....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
64 Energy Rate.....								20.90	20.90	24.80				
65 Energy Revenue.....	0	0	0	0	0	0	0	390	377	461	0	0	1,220	3,560
66 Peak MW.....	0	0	0	0	0	0	0	25	25	25	0	0	75	75
67 Total Revenue.....	0	0	0	0	0	0	0	390	377	461	0	0	1,220	3,560

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	3-Year
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg	Avg/To
68 BPA to WWP, Clark (94779).....														
69 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	82
70 Energy Rate.....														
71 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	52,116
72 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,230
73 Demand Rate.....														
74 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	8,150
75 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	60,270
76 BPA to WWP, Power Sale (95104).....														
77 Average MW.....	115	115	115	115	115	115	115	115	115	115	115	115	115	115
78 Energy Rate.....	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	21.40	
79 Energy Revenue.....	1835	1770	1835	1835	1650	1835	1770	1835	1770	1835	1835	1770	21,600	64,820
80 Peak MW.....	115	115	115	115	115	115	115	115	115	115	115	115	1,380	1,380
81 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
82 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Revenue.....	1835	1770	1835	1835	1650	1835	1770	1835	1770	1835	1835	1770	21,600	64,820
84 BPA to PGE, Canby (94728).....														
85 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
86 Energy Rate.....														
87 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,680
88 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	46
89 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,680
90 PSP&L mSL-87 (92527).....														
91 Average MW.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
92 Energy Rate.....	37.70	37.70	37.70	37.70	37.70	37.70								
93 Energy Revenue.....	4215	4070	4215	4215	3807	4215	0	0	0	0	0	0	24,740	74,240
94 Peak MW.....	300	300	300	300	300	300	0	0	0	0	0	0	1,800	1,800
95 Total Revenue.....	4215	4070	4215	4215	3807	4215	0	0	0	0	0	0	24,740	74,240
96 BPA to Cowlitz, SP sale (95084).....														
97 Average MW.....	150	150	150	150	150	150	150	150	150	150	150	150	150	150
98 Energy Rate.....	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	22.70	
99 Energy Revenue.....	2530	2450	2530	2530	2290	2530	2450	2530	2450	2530	2530	2450	29,850	86,980
100 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,800	1,800
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Total Revenue.....	2530	2450	2530	2530	2290	2530	2450	2530	2450	2530	2530	2450	29,850	86,980
104 BPA to Salem Electric, SP sale (95216).....														
105 Average MW.....	7	7	7	7	7	7	7	7	7	7	7	7	7	7
106 Energy Rate.....	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	
107 Energy Revenue.....	182	170	182	182	165	182	170	182	170	182	182	170	2,140	4,290
108 Peak MW.....	7	7	7	7	7	7	7	7	7	7	7	7	84	84
109 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
110 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Total Revenue.....	182	170	182	182	165	182	170	182	170	182	182	170	2,140	4,290
112 Forecasted sales: BPA to Marketers.....														
113 Average MW.....	278	270	278	270	278	270	278	270	278	270	278	270	278	211
114 Energy Rate.....	24.10	24.10	24.10	24.80	25.00	24.80	23.10	15.40	15.40	17.60	21.60	24.10		
115 Energy Revenue.....	4980	4840	4980	5140	4687	5140	4642	3180	3100	3640	4480	4840	53,680	122,240
116 Peak MW.....	325	320	325	320	325	320	325	320	325	320	325	320	3,900	2,890
117 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
118 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Total Revenue.....	4980	4840	4980	5140	4687	5140	4642	3180	3100	3640	4480	4840	53,680	122,240
120 Forecasted sales: BPA to IOUs.....														
121 Average MW.....	7	7	7	7	7	7	295	295	295	295	7	7	103	88
122 Energy Rate.....	23.10	23.80	23.70	23.70	23.80	23.10	19.20	19.20	19.20	19.20	23.10	23.10		
123 Energy Revenue.....	120	120	124	124	112	120	4087	4220	4087	4220	120	117	17,570	44,560
124 Peak MW.....	40	65	65	65	65	40	328	320	328	328	40	40	1,730	1,400
125 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
126 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Total Revenue.....	120	120	124	124	112	120	4087	4220	4087	4220	120	117	17,570	44,560
128 NW Alum, Intalco, Col. Alum.....														
129 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	7
130 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
131 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,090
132 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,090
134														
135 Total PNW-OTFAC.....														
136 Average MW.....	803	864	904	900	882	844	947	931	929	931	622	631	850	867
137 Energy Revenue.....	15530	16030	17240	17470	15417	16390	14840	13450	12990	13960	10300	10620	174,280	535,970
138 Peak MW.....	2340	2460	2570	2580	2554	2411	2340	2310	2300	2307	1997	2015	28,220	85,060
139 Peak Revenue.....	7080	7230	7530	7560	7492	7160	7100	6987	6987	6987	6990	7032	86,170	266,190
140 Total Revenue.....	22620	23270	24780	25030	22900	23560	21940	20430	19980	20950	17300	17650	260,460	802,160

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	3-Year
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg	Avg/To
141 PACIFIC SOUTHWEST.....	744	720	744	744	672	744	720	744	720	744	744	720	8,760	
142 Anaheim SP-95 (92784).....														
143 Peak MW.....	0	16	16	16	16	16	16	24	0	0	0	0	120	120
144 Demand Rate.....		5.9¢	5.9¢	5.9¢	5.9¢	5.9¢	5.9¢	5.9¢						
145 Total Revenue.....	0	96	96	96	96	96	96	144	0	0	0	0	719	2,13¢
146 Riverside SP-95 (92858).....														
147 Peak MW.....	0	16	16	16	16	16	16	23	0	0	0	0	119	119
148 Demand Rate.....		5.9¢	5.9¢	5.9¢	5.9¢	5.9¢	5.9¢	5.9¢						
149 Total Revenue.....	0	96	96	96	96	96	96	138	0	0	0	0	713	2,11¢
150 Palo Alto SP (94508).....														
151 Peak MW.....	20	0	0	0	0	0	0	0	0	0	20	20	60	60
152 Demand Rate.....	3.3¢										3.3¢	3.3¢		
153 Total Revenue.....	66	0	0	0	0	0	0	0	0	0	66	66	198	577
154 Burbank SP-95 (92411).....														
155 Average MW.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
156 Energy Rate.....	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢		
157 Energy Revenue.....	347	243	251	240	199	228	233	403	504	563	587	528	4,32¢	12,98¢
158 Peak MW.....	40	20	20	20	20	20	20	40	40	40	40	40	360	360
159 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.2¢	6.71	6.71	6.71	6.71		
160 Peak Revenue.....	195	134	134	134	134	134	134	208	269	269	269	269	2,28¢	6,84¢
161 Total Revenue.....	542	378	386	375	333	363	367	611	772	832	856	796	6,611	19,83¢
162 Glendale SP-95 (92412).....														
163 Average MW.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.5	13.1	14.2	13.2	8	8
164 Energy Rate.....	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢		
165 Energy Revenue.....	140	95	100	134	107	107	118	205	256	292	316	284	2,15¢	6,45¢
166 Peak MW.....	20	10	10	10	10	10	10	20	20	20	20	20	180	180
167 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.2¢	6.71	6.71	6.71	6.71		
168 Peak Revenue.....	97	67	67	67	67	67	67	104	134	134	134	134	1,141	3,42¢
169 Total Revenue.....	238	162	167	201	174	174	186	309	391	426	450	419	3,29¢	9,88¢
170 Pasadena SP-95 (92413).....														
171 Average MW.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
172 Energy Rate.....	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢	29.9¢		
173 Energy Revenue.....	85	47	49	49	44	47	50	80	93	102	102	99	847	2,54¢
174 Peak MW.....	6	6	6	6	6	6	6	6	6	6	6	6	72	72
175 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.2¢	6.71	6.71	6.71	6.71		
176 Peak Revenue.....	29	40	40	40	40	40	40	31	40	40	40	40	463	1,39¢
177 Total Revenue.....	114	88	89	89	85	87	90	111	133	143	143	139	1,31¢	3,93¢
178 M-S-R SP-95 (92499).....														
179 Average MW.....	113.3	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
180 Energy Rate.....	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3		
181 Energy Revenue.....	307¢	201¢	142¢	146¢	109¢	121¢	117¢	127¢	204¢	309¢	303¢	310¢	24,01¢	70,85¢
182 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,80¢	1,80¢
183 Demand Rate.....	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢	6.6¢		
184 Peak Revenue.....	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	1002	12,02¢	35,46¢
185 Total Revenue.....	407¢	3017	242¢	246¢	210¢	2217	217¢	2274	304¢	4094	4032	4107	36,04¢	106,31¢
186 SCE mSC-86 (92275).....														
187 Average MW.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
188 Energy Rate.....	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3		
189 Energy Revenue.....	324¢	3481	3394	3394	302¢	336¢	3141	324¢	3141	324¢	324¢	3141	39,06¢	117,18¢
190 Peak MW.....	250	250	250	250	250	250	250	250	250	250	250	250	3,00¢	3,00¢
191 Total Revenue.....	324¢	3481	3394	3394	302¢	336¢	3141	324¢	3141	324¢	324¢	3141	39,06¢	117,18¢

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RATE DESIGN STUDY  
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 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	3-Year
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg	Avg/Total
181 Palo Alto SP- (94508).....														
182 Average MW.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
183 Energy Rate.....								16.9¢	18.9¢	24.6¢				
184 Energy Revenue.....	0	0	0	0	0	0	0	252	273	367	0	0	892	2,59¢
185 Peak MW.....	0	0	0	0	0	0	0	20	20	20	0	0	60	60
186 Demand Rate.....								3.3¢	3.3¢	3.3¢				
187 Peak Revenue.....	0	0	0	0	0	0	0	66	66	66	0	0	198	577
188 Total Revenue.....	0	0	0	0	0	0	0	318	338	433	0	0	1,09¢	3,17¢
189 City of Azusa (94883).....														
190 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Energy Rate.....														
192 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	134
193 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	134
194 Total PSW-OTFAC.....														
195 Average MW.....	271	240	208	210	198	198	195	228	268	309	288	292	242	242
196 Energy Revenue.....	6894	5882	5221	5281	4475	4955	4718	5457	6313	7662	7282	7157	71,291	212,751
197 Peak MW.....	486	468	468	468	468	468	468	533	486	486	486	486	5,771	5,771
198 Peak Revenue.....	1390	1435	1435	1435	1435	1435	1435	1693	1511	1511	1511	1511	17,740	52,531
199 Total Revenue.....	8283	7317	6656	6716	5911	6393	6153	7150	7824	9173	8793	8668	89,031	265,281
200														
201 Total PNW & PSW-OTFAC.....														
202 Average MW.....	1073	1104	1112	1115	1080	1042	1142	1160	1198	1240	910	923	1,092	1,105
203 Energy Revenue.....	22425	21921	22467	22750	19892	21351	19562	18908	19305	21631	17587	17781	245,581	748,731
204 Peak.....	2835	2925	3044	3052	3022	2875	2817	2846	2791	2793	2483	2501	33,991	34,121
205 Peak Revenue.....	8475	8671	8973	8996	8925	8603	8535	8680	8495	8495	8505	8543	103,911	318,721
206 Total Revenue.....	30905	30592	31440	31746	28820	29954	28097	27588	27807	30125	26095	26324	349,491	1,067,451

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
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 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	A	B	C	D	E	F	G	H	I	J	K	L	M	4-Year
	Oct-96	Nov-96	Dec-96	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Total/Avg	Avg/To
hours in month	744	720	744	744	696	744	720	744	720	744	744	720	8,784	
1 PACIFIC NORTHWEST.....														
2 WWP Capacity Sale SP-95 (92871).....														
3 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50	600	600
4 Demand Rate.....	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73	5.73		
5 Total Revenue.....	287	287	287	287	287	287	287	287	287	287	287	287	3,438	13,400
6 PP&L Capacity Sale PPL-90 (92497).....														
7 Peak MW.....	1100	1100	1100	1100	1100	1100	1100	1100	1100	925	925	925	12,675	13,060
8 Demand Rate.....	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60		
9 Total Revenue.....	6160	6160	6160	6160	6160	6160	6160	6160	6160	5180	5180	5180	70,980	292,740
10 BPA to PacifiCorp (99116).....														
11 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
12 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
13 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,790
14 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	38
15 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
16 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,790
18 PGE Capacity Sale SP (94626).....														
19 Peak MW.....	90	90	150	150	150	90	0	0	0	0	0	0	720	1,120
20 Demand Rate.....	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91		
21 Total Revenue.....	352	352	587	587	587	352	0	0	0	0	0	0	2,810	17,590
22 Conservation Transfer SP-95 (92795,-7,														
23 Average MW.....	5	6	9	8	7	7	5	4	4	3	5	4	6	6
24 Energy Rate.....	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40		
25 Energy Revenue.....	110	127	197	175	144	154	106	88	85	66	110	85	1,440	5,890
26 Peak MW.....	7	8	12	12	10	8	8	7	6	7	5	6	96	98
27 Total Revenue.....	110	127	197	175	144	154	106	88	85	66	110	85	1,440	5,890
28 Electric Ventures SP-95 (92759).....														
29 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Energy Rate.....														
31 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
32 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6
33 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
34 BPA to EWEB, Base Load (94831).....														
35 Average MW.....	31.5	77	98	105	84	56	35	0	0	0	0	0	41	42
36 Energy Rate.....	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00		
37 Energy Revenue.....	517	1220	1610	1720	1291	920	556	0	0	0	0	0	7,840	30,800
38 Peak MW.....	45	110	140	150	120	80	50	0	0	0	0	0	695	714
39 Demand Rate.....	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30	2.30		
40 Peak Revenue.....	104	250	325	340	270	180	110	0	0	0	0	0	1,610	6,350
41 Total Revenue.....	622	1470	1935	2070	1560	1100	670	0	0	0	0	0	9,450	37,160
42 BPA to EWEB, Variable (94831).....														
43 Average MW.....	15	15	15	15	15	15	15	15	15	15	0	0	13	14
44 Energy Rate.....	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70	23.70				
45 Energy Revenue.....	265	257	265	265	248	265	257	265	257	265	0	0	2,600	11,470
46 Peak MW.....	50	50	50	50	50	50	50	50	50	50	0	0	500	570
47 Demand Rate.....	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90				
48 Peak Revenue.....	199	190	190	190	190	190	190	190	190	190	0	0	1,990	8,770
49 Total Revenue.....	464	450	464	464	447	464	450	464	450	464	0	0	4,590	20,250
50 BPA to Western Oregon (94697).....														
51 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
52 Energy Rate.....	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00	31.00		
53 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,860
54 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	72
55 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,860
56 BPA to Lower Valley (94839).....														
57 Average MW.....	44	59	75	74	69	60	48	42	40	44	42	42	53	52
58 Energy Rate.....	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00		
59 Energy Revenue.....	786	1020	1330	1321	1150	1071	820	750	691	786	750	726	11,220	43,970
60 Peak MW.....	70	90	112	111	113	96	76	66	60	61	60	63	978	962
61 Total Revenue.....	786	1020	1330	1321	1150	1071	820	750	691	786	750	726	11,220	43,970
62 BPA to WWP, Riverside (94667).....														
63 Average MW.....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
64 Energy Rate.....								21.60	21.60	25.60				
65 Energy Revenue.....	0	0	0	0	0	0	0	400	390	477	0	0	1,270	4,830
66 Peak MW.....	0	0	0	0	0	0	0	25	25	25	0	0	75	75
67 Total Revenue.....	0	0	0	0	0	0	0	400	390	477	0	0	1,270	4,830

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
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 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	4-Year
	Oct-96	Nov-96	Dec-96	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Total/Avg	Avg/To
68 BPA to WWP, Clark (94779).....														
69 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	61
70 Energy Rate.....														
71 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	52,116
72 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	925
73 Demand Rate.....														
74 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	8,156
75 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	60,277
76 BPA to WWP, Power Sale (95104).....														
77 Average MW.....	115	115	115	115	115	115	115	115	115	115	115	115	115	115
78 Energy Rate.....	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	
79 Energy Revenue.....	1836	1776	1836	1836	1717	1836	1776	1836	1776	1836	1836	1776	21,666	86,496
80 Peak MW.....	115	115	115	115	115	115	115	115	115	115	115	115	1,380	1,380
81 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
82 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Revenue.....	1836	1776	1836	1836	1717	1836	1776	1836	1776	1836	1836	1776	21,666	86,496
84 BPA to PGE, Canby (94728).....														
85 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
86 Energy Rate.....														
87 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,682
88 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	35
89 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,682
90 PSP&L mSL-87 (92527).....														
91 Average MW.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
92 Energy Rate.....	37.77	37.77	37.77	37.77	37.77	37.77								
93 Energy Revenue.....	4215	4075	4215	4215	3945	4215	0	0	0	0	0	0	24,885	99,120
94 Peak MW.....	300	300	300	300	300	300	0	0	0	0	0	0	1,800	1,800
95 Total Revenue.....	4215	4075	4215	4215	3945	4215	0	0	0	0	0	0	24,885	99,120
96 BPA to Cowlitz, SP sale (95084).....														
97 Average MW.....	150	150	150	150	150	150	150	150	150	150	150	0	138	147
98 Energy Rate.....	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40	23.40		
99 Energy Revenue.....	2611	2527	2611	2611	2445	2611	2527	2611	2527	2611	2611	0	28,305	115,290
100 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	0	1,650	1,765
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Total Revenue.....	2611	2527	2611	2611	2445	2611	2527	2611	2527	2611	2611	0	28,305	115,290
104 BPA to Salem Electric, SP sale (95216).....														
105 Average MW.....	7	7	7	7	7	7	7	7	7	7	7	7	7	7
106 Energy Rate.....	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	
107 Energy Revenue.....	182	176	182	182	171	182	176	182	176	182	182	176	2,152	4,296
108 Peak MW.....	7	7	7	7	7	7	7	7	7	7	7	7	84	84
109 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
110 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Total Revenue.....	182	176	182	182	171	182	176	182	176	182	182	176	2,152	4,296
112 Forecasted sales: BPA to Marketers.....														
113 Average MW.....	332	332	332	332	332	332	332	332	332	332	332	332	332	241
114 Energy Rate.....	24.12	24.12	24.12	24.87	25.05	24.87	23.12	15.42	15.42	17.60	21.66	24.12		
115 Energy Revenue.....	5956	5782	5956	6143	5796	6143	5543	3806	3703	4347	5350	5782	64,311	186,561
116 Peak MW.....	397	397	397	397	397	397	397	397	397	397	397	397	4,764	3,360
117 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
118 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Total Revenue.....	5956	5782	5956	6143	5796	6143	5543	3806	3703	4347	5350	5782	64,311	186,561
120 Forecasted sales: BPA to IOUs.....														
121 Average MW.....	15	15	15	15	15	15	327	327	327	327	15	15	119	95
122 Energy Rate.....	23.12	23.81	23.76	23.76	23.87	23.12	19.24	19.24	19.24	19.24	23.12	23.12		
123 Energy Revenue.....	258	257	265	265	249	258	4530	4681	4530	4681	258	250	20,482	65,040
124 Peak MW.....	48	73	73	73	73	48	360	360	360	360	48	48	1,924	1,530
125 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
126 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Total Revenue.....	258	257	265	265	249	258	4530	4681	4530	4681	258	250	20,482	65,040
128 NW Alum, Intalco, Col. Alum.....														
129 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
130 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
131 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,096
132 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,096
134														
135 Total PNW-OTFAC.....														
136 Average MW.....	865	926	966	971	944	907	1034	1017	1016	1016	666	515	904	876
137 Energy Revenue.....	16736	17226	18476	18736	17156	17656	16301	14626	14136	15251	11097	8796	186,191	188,791
138 Peak MW.....	2426	2540	2656	2666	2636	2491	2363	2327	2320	2147	1757	1611	27,941	563,911
139 Peak Revenue.....	7102	7252	7557	7580	7510	7183	6761	6646	6646	5666	5467	5467	80,831	347,021
140 Total Revenue.....	23840	24476	26036	26316	24666	24836	23063	21270	20780	20917	16563	14262	267,031	1,069,201

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	4-Year
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Total/Avg	Avg/Total
141 PACIFIC SOUTHWEST.....	744	720	744	744	696	744	720	744	720	744	744	720	8,784	
142 Anaheim SP-95 (92784).....														
143 Peak MW.....	0	16	16	16	16	16	16	24	0	0	0	0	120	120
144 Demand Rate.....		6.0E	6.0E	6.0E	6.0E	6.0E	6.0E	6.0E						
145 Total Revenue.....	0	97	97	97	97	97	97	145	0	0	0	0	726	2,86E
146 Riverside SP-95 (92858).....														
147 Peak MW.....	0	16	16	16	16	16	16	23	0	0	0	0	119	119
148 Demand Rate.....		6.0E	6.0E	6.0E	6.0E	6.0E	6.0E	6.0E						
149 Total Revenue.....	0	97	97	97	97	97	97	139	0	0	0	0	720	2,83E
150 Palo Alto SP (94508).....														
151 Peak MW.....	20	0	0	0	0	0	0	0	0	0	20	20	60	60
152 Demand Rate.....	3.4C										3.4C	3.4C		
153 Total Revenue.....	68	0	0	0	0	0	0	0	0	0	68	68	204	781
154 Burbank SP-95 (92411).....														
155 Average MW.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.5	16	16
156 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
157 Energy Revenue.....	347	243	251	240	206	229	233	403	504	563	587	528	4,33E	17,31E
158 Peak MW.....	40	20	20	20	20	20	20	40	40	40	40	40	360	360
159 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.2C	6.71	6.71	6.71	6.71		
160 Peak Revenue.....	195	134	134	134	134	134	134	208	269	269	269	269	2,28E	9,13E
161 Total Revenue.....	542	378	386	375	340	363	367	611	772	832	856	796	6,61E	26,45E
162 Glendale SP-95 (92412).....														
163 Average MW.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.5	13.1	14.2	13.2	8	8
164 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
165 Energy Revenue.....	140	95	100	134	110	107	118	205	256	292	316	284	2,15E	8,61E
166 Peak MW.....	20	10	10	10	10	10	10	20	20	20	20	20	180	180
167 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.2C	6.71	6.71	6.71	6.71		
168 Peak Revenue.....	97	67	67	67	67	67	67	104	134	134	134	134	1,14E	4,56E
169 Total Revenue.....	238	162	167	201	177	174	186	309	391	426	450	419	3,29E	13,18E
170 Pasadena SP-95 (92413).....														
171 Average MW.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
172 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
173 Energy Revenue.....	85	47	49	49	46	47	50	80	93	102	102	99	848	3,38E
174 Peak MW.....	6	6	6	6	6	6	6	6	6	6	6	6	72	72
175 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.2C	6.71	6.71	6.71	6.71		
176 Peak Revenue.....	29	40	40	40	40	40	40	31	40	40	40	40	463	1,85E
177 Total Revenue.....	114	88	89	89	86	87	90	111	133	143	143	139	1,31E	5,24E
178 M-S-R SP-95 (92499).....														
179 Average MW.....	113.3	77.1	52.8	54.2	45	45	45	47.1	78.3	114.5	112.2	118.8	75	75
180 Energy Rate.....	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0		
181 Energy Revenue.....	313E	205E	145E	149E	115E	123E	119E	129E	208E	315E	308E	316E	24,51E	95,37E
182 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,80E	1,80E
183 Demand Rate.....	6.8C	6.8C	6.8C	6.8C	6.8C	6.8C	6.8C	6.8C	6.8C	6.8C	6.8C	6.8C		
184 Peak Revenue.....	102C	102C	102C	102C	102C	102C	102C	102C	102C	102C	102C	102C	12,24E	47,70E
185 Total Revenue.....	415E	307E	247E	251E	217E	225E	221E	231E	310E	417E	410E	418E	36,75E	143,07E
186 SCE mSC-86 (92275).....														
187 Average MW.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
188 Energy Rate.....	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3		
189 Energy Revenue.....	324E	3481	3394	3394	313E	336E	3141	324E	3141	324E	324E	3141	39,17E	156,35E
190 Peak MW.....	250	250	250	250	250	250	250	250	250	250	250	250	3,00E	3,00E
191 Total Revenue.....	324E	3481	3394	3394	313E	336E	3141	324E	3141	324E	324E	3141	39,17E	156,35E



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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
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 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	4-Year
	Oct-96	Nov-96	Dec-96	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	Total/Avg	Avg/Total
181 Palo Alto SP- (94508).....														
182 Average MW.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
183 Energy Rate.....								17.4¢	19.4¢	25.4¢				
184 Energy Revenue.....	0	0	0	0	0	0	0	260	281	378	0	0	918	3,516
185 Peak MW.....	0	0	0	0	0	0	0	20	20	20	0	0	60	60
186 Demand Rate.....								3.4¢	3.4¢	3.4¢				
187 Peak Revenue.....	0	0	0	0	0	0	0	68	68	68	0	0	204	781
188 Total Revenue.....	0	0	0	0	0	0	0	328	348	446	0	0	1,122	4,297
189 City of Azusa (94883).....														
190 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Energy Rate.....														
192 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	134
193 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	134
194 Total PSW-OTFAC.....														
195 Average MW.....	271	240	208	210	198	198	195	228	268	309	288	292	242	242
196 Energy Revenue.....	6953	5921	5246	5309	4657	4981	4740	5489	6360	7732	7340	7217	71,946	284,701
197 Peak MW.....	486	468	468	468	468	468	468	533	486	486	486	486	5,771	5,771
198 Peak Revenue.....	1410	1456	1456	1456	1456	1456	1456	1716	1531	1531	1531	1531	17,982	70,514
199 Total Revenue.....	8363	7376	6704	6764	6112	6436	6196	7205	7891	9263	8871	8746	89,930	355,211
200														
201 Total PNW & PSW-OTFAC.....														
202 Average MW.....	1135	1166	1174	1181	1142	1106	1226	1246	1284	1327	954	807	1,146	1,116
203 Energy Revenue.....	23691	23147	23727	24046	21812	22636	21042	20114	20496	22984	18437	16012	258,146	1,006,871
204 Peak.....	2915	3006	3124	3133	3103	2956	2831	2860	2806	2633	2243	2097	33,711	34,021
205 Peak Revenue.....	8511	8706	9012	9036	8966	8636	8217	8361	8177	7197	6996	6996	98,816	417,541
206 Total Revenue.....	32202	31854	32736	33084	30776	31274	29256	28476	28672	30180	25434	23006	356,961	1,424,411

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
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 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	A	B	C	D	E	F	G	H	I	J	K	L	M	5-Year
	Oct-00	Nov-01	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Total/Avg	Avg/To
hours in month	744	720	744	744	672	744	720	744	720	744	744	720	8,760	
1 PACIFIC NORTHWEST.....														
2 WWP Capacity Sale SP-95 (92871).....													600	600
3 Peak MW.....	50	50	50	50	50	50	50	50	50	50	50	50		
4 Demand Rate.....	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80	5.80		
5 Total Revenue.....	292	292	292	292	292	292	292	292	292	292	292	292	3,490	16,900
6 PP&L Capacity Sale PPL-90 (92497).....														
7 Peak MW.....	925	925	925	925	925	925	925	925	925	925	925	925	11,100	12,670
8 Demand Rate.....	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60	5.60		
9 Total Revenue.....	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	5180	62,160	354,900
10 BPA to PacifiCorp (99116).....														
11 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
12 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
13 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,790
14 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	30
15 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
16 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,790
18 PGE Capacity Sale SP (94626).....														
19 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	900
20 Demand Rate.....	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91	3.91		
21 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	17,590
22 Conservation Transfer SP-95 (92795,-7,														
23 Average MW.....	5	6	10	8	7	7	6	5	4	0	0	0	5	6
24 Energy Rate.....	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40	29.40		
25 Energy Revenue.....	110	127	219	175	139	154	127	110	85	0	0	0	1,240	7,140
26 Peak MW.....	7	8	12	12	10	9	8	7	7	0	0	0	80	94
27 Total Revenue.....	110	127	219	175	139	154	127	110	85	0	0	0	1,240	7,140
28 Electric Ventures SP-95 (92759).....														
29 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 Energy Rate.....	0	0	0	0	0	0	0	0	0	0	0	0		
31 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	97
32 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5
33 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	485
34 BPA to EWEB, Base Load (94831).....														
35 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	33
36 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
37 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	30,800
38 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	571
39 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
40 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	6,350
41 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	37,160
42 BPA to EWEB, Variable (94831).....														
43 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	12
44 Energy Rate.....	0	0	0	0	0	0	0	0	0	0	0	0		
45 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	11,470
46 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	460
47 Demand Rate.....	0	0	0	0	0	0	0	0	0	0	0	0		
48 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	8,770
49 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	20,250
50 BPA to Western Oregon (94697).....														
51 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
52 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
53 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,860
54 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	58
55 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	3,860
56 BPA to Lower Valley (94839).....														
57 Average MW.....	45	59	75	75	70	60	48	43	41	44	43	42	54	53
58 Energy Rate.....	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00		
59 Energy Revenue.....	804	1020	1335	1335	1120	1071	829	768	708	786	768	726	11,280	55,260
60 Peak MW.....	71	91	114	112	114	97	77	67	60	62	60	64	989	967
61 Total Revenue.....	804	1020	1335	1335	1120	1071	829	768	708	786	768	726	11,280	55,260
62 BPA to WWP, Riverside (94667).....														
63 Average MW.....	0	0	0	0	0	0	0	25	25	25	0	0	6	6
64 Energy Rate.....	0	0	0	0	0	0	0	22.40	22.40	26.50	0	0		
65 Energy Revenue.....	0	0	0	0	0	0	0	418	404	494	0	0	1,310	6,140
66 Peak MW.....	0	0	0	0	0	0	0	25	25	25	0	0	75	75
67 Total Revenue.....	0	0	0	0	0	0	0	418	404	494	0	0	1,310	6,140

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RATE DESIGN STUDY  
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SDC10

	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	5-Year
	Oct-00	Nov-01	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Total/Avg	Avg/To
68 BPA to WWP, Clark (94779).....														
69 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	49
70 Energy Rate.....														
71 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	52,116
72 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	740
73 Demand Rate.....														
74 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	8,156
75 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	60,277
76 BPA to WWP, Power Sale (95104).....														
77 Average MW.....	115	115	115	115	115	115	115	115	115	115	115	115	115	115
78 Energy Rate.....	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	21.46	
79 Energy Revenue.....	1836	1776	1836	1836	1656	1836	1776	1836	1776	1836	1836	1776	21,600	108,100
80 Peak MW.....	115	115	115	115	115	115	115	115	115	115	115	115	1,380	1,380
81 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
82 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
83 Total Revenue.....	1836	1776	1836	1836	1656	1836	1776	1836	1776	1836	1836	1776	21,600	108,100
84 BPA to PGE, Canby (94728).....														
85 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2
86 Energy Rate.....														
87 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,680
88 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	28
89 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	2,680
90 PSP&L mSL-87 (92527).....														
91 Average MW.....	150	150	150	150	150	150	0	0	0	0	0	0	75	75
92 Energy Rate.....	37.77	37.77	37.77	37.77	37.77	37.77								
93 Energy Revenue.....	4215	4075	4215	4215	3807	4215	0	0	0	0	0	0	24,740	123,870
94 Peak MW.....	300	300	300	300	300	300	0	0	0	0	0	0	1,800	1,800
95 Total Revenue.....	4215	4075	4215	4215	3807	4215	0	0	0	0	0	0	24,740	123,870
96 BPA to Cowlitz, SP sale (95084).....														
97 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	116
98 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
99 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	115,290
100 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	1,410
101 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
102 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	115,290
104 BPA to Salem Electric, SP sale (95216).....														
105 Average MW.....	7	7	7	7	7	7	7	7	7	7	7	0	6	7
106 Energy Rate.....	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	35.00	
107 Energy Revenue.....	182	176	182	182	165	182	176	182	176	182	182	0	1,970	4,120
108 Peak MW.....	7	7	7	7	7	7	7	7	7	7	7	0	77	81
109 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
110 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111 Total Revenue.....	182	176	182	182	165	182	176	182	176	182	182	0	1,970	4,120
112 Forecasted sales: BPA to Marketers.....														
113 Average MW.....	395	395	395	395	395	395	395	395	395	332	332	332	379	269
114 Energy Rate.....	24.12	24.12	24.12	24.81	25.05	24.81	23.15	15.42	15.42	17.60	21.66	24.15		
115 Energy Revenue.....	7086	6880	7086	7306	6660	7306	6595	4532	4406	4347	5350	5782	73,340	259,900
116 Peak MW.....	476	476	476	476	476	476	476	476	476	397	397	397	5,476	3,780
117 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
118 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119 Total Revenue.....	7086	6880	7086	7306	6660	7306	6595	4532	4406	4347	5350	5782	73,340	259,900
120 Forecasted sales: BPA to IOUs.....														
121 Average MW.....	29	29	29	29	29	29	383	383	383	383	29	29	147	106
122 Energy Rate.....	23.12	23.81	23.76	23.76	23.81	23.12	19.24	19.24	19.24	19.24	23.12	23.12		
123 Energy Revenue.....	499	497	513	513	465	499	5306	5482	5306	5482	499	483	25,540	90,580
124 Peak MW.....	62	94	94	94	94	62	416	416	416	416	62	62	2,286	1,680
125 Demand Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
126 Peak Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127 Total Revenue.....	499	497	513	513	465	499	5306	5482	5306	5482	499	483	25,540	90,580
128 NW Alum, Intalco, Col. Alum.....														
129 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
130 Energy Rate.....	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
131 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,096
132 Peak MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	5,096
134														
135 Total PNW-OTFAC.....														
136 Average MW.....	746	761	781	779	773	763	954	973	970	906	526	518	788	856
137 Energy Revenue.....	14730	14556	15390	15566	14022	15266	14810	13327	12861	13127	8634	8767	161,060	883,230
138 Peak MW.....	2013	2066	2093	2091	2091	2041	2074	2086	2081	1997	1616	1613	23,860	27,370
139 Peak Revenue.....	5472	5472	5472	5472	5472	5472	5472	5472	5472	5472	5472	5472	65,650	412,680
140 Total Revenue.....	20206	20021	20864	21041	19494	20731	20282	18796	18332	18596	14106	14236	226,720	1,295,920

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Cont  
 at Other Than Fully Allocated C  
 Average Megawatts, \$ Thousar  
 Test Period October 1996 - September 1997

SDC10

	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	5-Year
	Oct-00	Nov-01	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Total/Avg	Avg/To
hours in month	744	720	744	744	672	744	720	744	720	744	744	720	8,760	
141 PACIFIC SOUTHWEST.....														
142 Anaheim SP-95 (92784).....														
143 Peak MW.....	0	16	16	16	16	16	16	24	0	0	0	0	120	120
144 Demand Rate.....		6.11	6.11	6.11	6.11	6.11	6.11	6.11						
145 Total Revenue.....	0	98	98	98	98	98	98	147	0	0	0	0	734	3,590
146 Riverside SP-95 (92858).....														
147 Peak MW.....	0	16	16	16	16	16	16	23	0	0	0	0	119	119
148 Demand Rate.....		6.11	6.11	6.11	6.11	6.11	6.11	6.11						
149 Total Revenue.....	0	98	98	98	98	98	98	141	0	0	0	0	728	3,560
150 Palo Alto SP (94508).....														
151 Peak MW.....	20	0	0	0	0	0	0	0	0	0	20	20	60	60
152 Demand Rate.....	3.51										3.51	3.51		
153 Total Revenue.....	70.2	0	0	0	0	0	0	0	0	0	70.2	70.2	211	992
154 Burbank SP-95 (92411).....														
155 Average MW.....	15.6	11.3	11.3	10.8	9.9	10.3	10.8	18.1	23.4	25.3	26.4	24.8	16	16
156 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
157 Energy Revenue.....	347	243	251	240	199	229	233	403	504	563	587	528	4,328	21,640
158 Peak MW.....	40	20	20	20	20	20	20	40	40	40	40	40	360	360
159 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71		
160 Peak Revenue.....	195	134	134	134	134	134	134	208	269	269	269	269	2,280	11,410
161 Total Revenue.....	542	378	386	375	333	363	367	611	772	832	856	796	6,611	33,060
162 Glendale SP-95 (92412).....														
163 Average MW.....	6.3	4.4	4.5	6	5.3	4.8	5.5	9.2	11.8	13.1	14.2	13.2	8	8
164 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
165 Energy Revenue.....	140	95	100	134	107	107	118	205	256	292	316	284	2,150	10,770
166 Peak MW.....	20	10	10	10	10	10	10	20	20	20	20	20	180	180
167 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71		
168 Peak Revenue.....	97	67	67	67	67	67	67	104	134	134	134	134	1,141	5,701
169 Total Revenue.....	238	162	167	201	174	174	186	309	391	426	450	419	3,290	16,470
170 Pasadena SP-95 (92413).....														
171 Average MW.....	3.8	2.2	2.2	2.2	2.2	2.1	2.3	3.6	4.3	4.6	4.6	4.6	3	3
172 Energy Rate.....	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91	29.91		
173 Energy Revenue.....	85	47	49	49	44	47	50	80	93	102	102	99	847	4,230
174 Peak MW.....	6	6	6	6	6	6	6	6	6	6	6	6	72	72
175 Demand Rate.....	4.87	6.71	6.71	6.71	6.71	6.71	6.71	5.20	6.71	6.71	6.71	6.71		
176 Peak Revenue.....	29	40	40	40	40	40	40	31	40	40	40	40	463	2,310
177 Total Revenue.....	114	88	89	89	85	87	90	111	133	143	143	139	1,310	6,550
178 M-S-R SP-95 (92499).....														
179 Average MW.....	113.8	77.1	52.8	54.2	45	45	45	47.1	78.3	114.8	112.2	118.8	75	75
180 Energy Rate.....	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6		
170 Energy Revenue.....	3186	2087	1477	1516	1137	1256	1218	1318	2120	3200	3130	3216	24,870	120,250
171 Peak MW.....	150	150	150	150	150	150	150	150	150	150	150	150	1,800	1,800
172 Demand Rate.....	6.92	6.92	6.92	6.92	6.92	6.92	6.92	6.92	6.92	6.92	6.92	6.92		
173 Peak Revenue.....	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	1038	12,450	60,150
174 Total Revenue.....	4224	3128	2518	2554	2178	2297	2256	2356	3158	4241	4177	4254	37,330	180,400
175 SCE mSC-86 (92275).....														
176 Average MW.....	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	134	134
177 Energy Rate.....	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3		
178 Energy Revenue.....	3246	3481	3394	3394	3028	3360	3141	3246	3141	3246	3246	3141	39,060	195,410
179 Peak MW.....	250	250	250	250	250	250	250	250	250	250	250	250	3,000	
180 Total Revenue.....	3246	3481	3394	3394	3028	3360	3141	3246	3141	3246	3246	3141	39,060	195,410

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RATE DESIGN STUDY  
 Revenues from Surplus Firm Power Contract  
 at Other Than Fully Allocated Cost  
 Average Megawatts, \$ Thousand  
 Test Period October 1996 - September 1997

SDC10

	AN	AO	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	5-Year
	Oct-00	Nov-01	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	Total/Avg	Avg/Total
181 Palo Alto SP- (94508).....														
182 Average MW.....	0	0	0	0	0	0	0	20	20	20	0	0	5	5
183 Energy Rate.....								17.9¢	20.0¢	26.1¢				
184 Energy Revenue.....	0	0	0	0	0	0	0	26¢	28¢	38¢	0	0	94¢	4,46¢
185 Peak MW.....	0	0	0	0	0	0	0	20	20	20	0	0	60	60
186 Demand Rate.....								3.51	3.51	3.51				
187 Peak Revenue.....	0	0	0	0	0	0	0	70.2	70.2	70.2	0	0	211	992
188 Total Revenue.....	0	0	0	0	0	0	0	33¢	35¢	46¢	0	0	1,15¢	5,45¢
189 City of Azusa (94883).....														
190 Average MW.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
191 Energy Rate.....														
192 Energy Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	134
193 Total Revenue.....	0	0	0	0	0	0	0	0	0	0	0	0	0	134
194 Total PSW-OTFAC.....														
195 Average MW.....	271	240	208	210	198	198	195	228	268	309	288	292	242	242
196 Energy Revenue.....	7004	5954	5272	5333	4514	5001	4760	5518	6403	7795	7390	7268	72,211	356,911
197 Peak MW.....	486	468	468	468	468	468	468	533	486	486	486	486	5,771	5,771
198 Peak Revenue.....	1430	1478	1478	1478	1478	1478	1478	1738	1551	1551	1551	1551	18,221	88,731
199 Total Revenue.....	8434	7428	6747	6808	5990	6478	6238	7257	7954	9346	8941	8818	90,431	445,651
200														
201 Total PNW & PSW-OTFAC.....														
202 Average MW.....	1017	1001	988	988	971	961	1148	1202	1238	1218	814	810	1,030	1,101
203 Energy Revenue.....	21737	20508	20664	20902	18537	20268	19570	18848	19268	20922	16024	16038	233,271	1,240,151
204 Peak.....	2498	2534	2561	2558	2558	2508	2542	2621	2567	2483	2102	2098	29,631	33,141
205 Peak Revenue.....	6901	6947	6947	6947	6947	6947	6947	7210	7023	7023	7023	7023	83,881	501,421
206 Total Revenue.....	28638	27458	27611	27848	25484	27218	26517	26058	26288	27948	23047	23058	317,151	1,741,571

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SURPLUS/DEFICIT CALCULATION  
 Post-Act Exchange Contracts  
 Megawatts  
 Test Period October 1996 - September 2001

SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	FY 1997 Avg/Tot
<b>1 DEMAND LOADS (BPA to ___)</b>													
<b>2 Pacific Northwest</b>													
3 WWP (94519)	23	23	21	29	29	29	27	11	11	32	32	32	25
<b>4 Total (PNW)</b>	<b>23</b>	<b>23</b>	<b>21</b>	<b>29</b>	<b>29</b>	<b>29</b>	<b>27</b>	<b>11</b>	<b>11</b>	<b>32</b>	<b>32</b>	<b>32</b>	<b>25</b>
<b>5 Pacific Southwest</b>													
6 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658)	0	0	0	0	0	0	0	15	15	15	15	15	6
10 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784)	24	0	0	0	0	0	0	0	24	24	24	24	10
13 Riverside [1] (92858)	23	0	0	0	0	0	0	0	23	23	23	23	10
14 Riverside [2] (93958)	50	13	13	13	13	13	13	50	50	50	50	50	32
15 Imperial Irrig. (94277)	50	0	0	0	0	0	0	50	50	50	50	50	25
16 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Vernon (94672)	0	0	0	0	0	0	0	40	40	40	0	0	10
18 Azusa (94883)	0	0	0	0	0	0	0	32	32	32	0	0	8
19 BPA to ABC C/E (94811- 5,6a,6b)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>20 Total (PSW)</b>	<b>147</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>187</b>	<b>234</b>	<b>234</b>	<b>162</b>	<b>162</b>	<b>100</b>
<b>21 Total (PNW + PSW)</b>	<b>170</b>	<b>36</b>	<b>34</b>	<b>42</b>	<b>42</b>	<b>42</b>	<b>40</b>	<b>198</b>	<b>245</b>	<b>266</b>	<b>194</b>	<b>194</b>	<b>125</b>
<b>22</b>													
<b>23 ENERGY LOADS (BPA to ___)</b>													
<b>24 Pacific Northwest</b>													
25 BPA to PSP&L, Seas Pwr Xchg (92527)	0	0	0	0	0	0	0	0	0	0	0	0	0
26 WWP (94519)	23	22	21	28	28	28	26	11	11	31	31	31	24
<b>27 Total (PNW)</b>	<b>23</b>	<b>22</b>	<b>21</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>26</b>	<b>11</b>	<b>11</b>	<b>31</b>	<b>31</b>	<b>31</b>	<b>24</b>
<b>28 Pacific Southwest</b>													
29 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0
30 BPA to Pasadena [2], Pkng/Nrg. (93658)	0	0	0	0	0	0	0	2	2	0	0	0	0
31 BPA to SCE [2], Env Storage (94507)	0	0	0	0	0	0	18	36	36	18	0	0	9
32 Riverside [2] (93958)	0	0	0	0	0	0	0	20	21	0	0	0	3
33 Imperial Irrig. (94277)	0	0	0	0	0	0	0	21	21	0	0	0	4
34 Vernon (94672)	0	0	0	0	0	0	0	36	36	36	0	0	9
35 Azusa (94883)	0	0	0	0	0	0	0	22	22	23	0	0	6
36 BPA to ABC C/E (94811- 5,6a,6b)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>37 Total (PSW)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>137</b>	<b>138</b>	<b>77</b>	<b>0</b>	<b>0</b>	<b>31</b>
<b>38 Total (PNW + PSW)</b>	<b>23</b>	<b>22</b>	<b>21</b>	<b>28</b>	<b>28</b>	<b>28</b>	<b>44</b>	<b>148</b>	<b>149</b>	<b>108</b>	<b>31</b>	<b>31</b>	<b>55</b>
<b>39</b>													
<b>40 ENERGY RESOURCES (___ to BPA)</b>													
<b>41 Pacific Northwest</b>													
<b>42 Replacement Energy</b>													
43 WWP (94519)	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PowerEx to BPA (94836 -sec 6b of 94811)	0	0	0	0	0	0	0	0	0	0	0	0	0
45 ---placeholder---	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>46 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>47 Exchange Energy (PNW)</b>													
48 PSP&L to BPA, Seas Pwr Xchg (92527)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>49 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>50 Total (PNW)</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>51 Pacific Southwest</b>													
<b>52 Replacement Energy</b>													
53 SDG&E (93373)	102	102	102	102	102	0	0	0	0	0	0	0	43
54 Riverside [2] (93958)	0	8	8	8	8	8	4	0	0	0	0	0	4
55 Imperial Irrig. (94277)	7	7	7	7	7	0	0	0	0	0	0	7	4
56 Pasadena [2] (93658)	1	1	1	1	1	0	0	0	0	0	0	1	1
57 ABC to BPA C/E (94811- Section 4)	0	7	7	7	7	0	0	0	0	0	0	0	2
<b>58 Total</b>	<b>110</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>125</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>53</b>
<b>59 Exchange Energy</b>													
60 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Pasadena [2] (93658)	3	3	3	3	3	2	0	0	0	0	0	3	2
64 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0
65 SCE [2] to BPA, Env Storage (94507)	0	15	30	30	30	0	0	0	0	0	0	0	9
66 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Anaheim (92784)	6	6	6	6	6	6	3	0	0	0	0	0	3
68 Riverside [1] (92858)	6	6	6	6	6	6	3	0	0	0	0	0	3
69 Riverside [2] (93958)	13	3	3	3	3	3	3.5	0	0	13	13	13	6
70 Imperial Irrig. (94277)	15	15	15	15	15	0	0	0	0	0	0	15	8
71 SDG&E (93373)	48	48	48	48	48	0	0	0	0	0	0	0	20
72 Vernon (94672)	27	27	27	0	0	0	0	0	0	0	0	0	7
73 Azusa (94883)	15	14	14	0	0	0	0	0	0	0	0	0	4
74 ---placeholder---	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>75 Total</b>	<b>133</b>	<b>137</b>	<b>152</b>	<b>111</b>	<b>111</b>	<b>17</b>	<b>9.5</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>13</b>	<b>31</b>	<b>61</b>
<b>76 Total (repl + exch)</b>	<b>243</b>	<b>262</b>	<b>277</b>	<b>236</b>	<b>236</b>	<b>25</b>	<b>13.5</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>13</b>	<b>39</b>	<b>113</b>
<b>77 Total (PNW + PSW)</b>	<b>243</b>	<b>262</b>	<b>277</b>	<b>236</b>	<b>236</b>	<b>25</b>	<b>13.5</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>13</b>	<b>39</b>	<b>113</b>

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 Megawatts  
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SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	FY 1998 Avg/Tot	2-Year Avg/Tot
<b>1 DEMAND LOADS (BPA to ___)</b> .....														
<b>2 Pacific Northwest</b> .....														
3 WWP (94519).....	32	32	29	32	31	32	30	12	13	35	35	35	29	27
4 <b>Total (PNW)</b> .....	32	32	29	32	31	32	30	12	13	35	35	35	29	27
<b>5 Pacific Southwest</b> .....														
6 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658).....	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784).....	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858).....	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958).....	50	13	13	13	13	13	13	60	60	60	60	60	36	34
15 Imperial Irrig. (94277).....	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Vernon (94672).....	0	0	0	0	0	0	0	28	28	28	0	0	7	9
18 Azusa (94883).....	0	0	0	0	0	0	0	32	32	32	0	0	8	8
19 BPA to ABC C/E (94811- 5,6a,6b).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 <b>Total (PSW)</b> .....	147	13	13	13	13	13	13	185	232	232	172	172	102	101
21 <b>Total (PNW + PSW)</b> .....	179	45	42	45	44	45	43	197	245	267	207	207	131	128
22														
<b>23 ENERGY LOADS (BPA to ___)</b> .....														
<b>24 Pacific Northwest</b> .....														
25 BPA to PSP&L, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 WWP (94519).....	31	31	28	31	30	31	29	12	12	35	35	35	28	26
27 <b>Total (PNW)</b> .....	31	31	28	31	30	31	29	12	12	35	35	35	28	26
<b>28 Pacific Southwest</b> .....														
29 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 BPA to Pasadena [2], Pkng/Nrg. (93658).....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
31 BPA to SCE [2], Env Storage (94507).....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
32 Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
33 Imperial Irrig. (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
34 Vernon (94672).....	0	0	0	0	0	0	0	25	25	26	0	0	6	8
35 Azusa (94883).....	0	0	0	0	0	0	0	23	23	22	0	0	6	6
36 BPA to ABC C/E (94811- 5,6a,6b).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37 <b>Total (PSW)</b> .....	0	0	0	0	0	0	18	131	132	66	0	0	29	30
38 <b>Total (PNW + PSW)</b> .....	31	31	28	31	30	31	47	143	144	101	35	35	57	56
39														
<b>40 ENERGY RESOURCES (___ to BPA)</b>														
<b>41 Pacific Northwest</b> .....														
<b>42 Replacement Energy</b> .....														
43 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PowerEx to BPA (94836 -sec 6b of 94811).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
45 ----placeholder-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 <b>Total</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>47 Exchange Energy (PNW)</b> .....														
48 PSP&L to BPA, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
49 <b>Total</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
50 <b>Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>51 Pacific Southwest</b> .....														
<b>52 Replacement Energy</b> .....														
53 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	21
54 Riverside [2] (93958).....	0	8	8	8	8	8	4	0	0	0	0	0	4	4
55 Imperial Irrig. (94277).....	7	7	7	7	7	7	0	0	0	0	0	7	4	4
56 Pasadena [2] (93658).....	1	1	1	1	1	1	0	0	0	0	0	1	1	1
57 ABC to BPA C/E (94811- Section 4).....	0	7	7	7	7	7	0	0	0	0	0	0	2	2
58 <b>Total</b> .....	8	23	23	23	23	23	8	4	0	0	0	8	10	31
<b>59 Exchange Energy</b> .....														
60 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Pasadena [2] (93658).....	3	3	3	3	3	3	2	0	0	0	0	3	2	2
64 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 SCE [2] to BPA, Env Storage (94507).....	0	15	30	30	30	30	0	0	0	0	0	0	9	9
66 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Anaheim (92784).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
68 Riverside [1] (92858).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
69 Riverside [2] (93958).....	13	3	3	3	3	3	3.5	0	0	16	16	16	7	6
70 Imperial Irrig. (94277).....	15	15	15	15	15	15	0	0	0	0	0	14	7	7
71 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	10
72 Vernon (94672).....	19	19	19	0	0	0	0	0	0	0	0	0	5	6
73 Azusa (94883).....	15	14	15	0	0	0	0	0	0	0	0	0	4	4
74 ----placeholder-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 <b>Total</b> .....	77	81	97	63	63	17	9.5	0	0	16	16	33	39	50
76 <b>Total (repl + exch)</b> .....	85	104	120	86	86	25	13.5	0	0	16	16	41	49	81
77 <b>Total (PNW + PSW)</b> .....	85	104	120	86	86	25	13.5	0	0	16	16	41	49	81

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	FY 1999 Avg/Tot	3-Year Avg/Tot
1 DEMAND LOADS (BPA to ___)														
2 Pacific Northwest														
3 WWP (94519)	35	35	32	32	31	32	30	12	13	35	35	35	30	28
4 Total (PNW)	35	35	32	32	31	32	30	12	13	35	35	35	30	28
5 Pacific Southwest														
6 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658)	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784)	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858)	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958)	60	15	15	15	15	15	15	60	60	60	60	60	38	35
15 Imperial Irrig. (94277)	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Vernon (94672)	0	0	0	0	0	0	0	0	0	0	0	0	0	6
18 Azusa (94883)	0	0	0	0	0	0	0	0	0	0	0	0	0	5
19 BPA to ABC C/E (94811- 5,6a,6b)	0	0	0	0	0	0	0	0	28	28	28	28	9	3
20 Total (PSW)	157	15	15	15	15	15	15	125	200	200	200	200	98	100
21 Total (PNW + PSW)	192	50	47	47	46	47	45	137	213	235	235	235	127	128
22														
23 ENERGY LOADS (BPA to ___)														
24 Pacific Northwest														
25 BPA to PSP&L, Seas Pwr Xchg (92527)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 WWP (94519)	35	35	31	31	30	31	29	12	12	35	35	34	29	27
27 Total (PNW)	35	35	31	31	30	31	29	12	12	35	35	34	29	27
28 Pacific Southwest														
29 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 BPA to Pasadena [2], Pkng/Nrg. (93658)	0	0	0	0	0	0	0	2	2	0	0	0	0	0
31 BPA to SCE [2], Env Storage (94507)	0	0	0	0	0	0	18	36	36	18	0	0	9	9
32 Riverside [2] (93958)	0	0	0	0	0	0	0	24	25	0	0	0	4	4
33 Imperial Irrig. (94277)	0	0	0	0	0	0	0	21	21	0	0	0	4	4
34 Vernon (94672)	0	0	0	0	0	0	0	0	0	0	0	0	0	5
35 Azusa (94883)	0	0	0	0	0	0	0	0	0	0	0	0	0	4
36 BPA to ABC C/E (94811- 5,6a,6b)	0	0	0	0	0	0	0	9	9	9	9	9	3	1
37 Total (PSW)	0	0	0	0	0	0	18	83	93	27	9	9	20	27
38 Total (PNW + PSW)	35	35	31	31	30	31	47	95	105	62	44	43	49	54
39														
40 ENERGY RESOURCES (___ to BPA)														
41 Pacific Northwest														
42 Replacement Energy														
43 WWP (94519)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PowerEx to BPA (94836 -sec 6b of 94811)	0	0	0	0	0	0	0	0	0	0	6	6	1	0
45 ---placeholder---	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Total	0	0	0	0	0	0	0	0	0	0	6	6	1	0
47 Exchange Energy (PNW)														
48 PSP&L to BPA, Seas Pwr Xchg (92527)	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
50 Total (PNW)	0	0	0	0	0	0	0	0	0	0	6	6	1	0
51 Pacific Southwest														
52 Replacement Energy														
53 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	14
54 Riverside [2] (93958)	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
55 Imperial Irrig. (94277)	7	7	7	7	7	0	0	0	0	0	0	7	4	4
56 Pasadena [2] (93658)	1	1	1	1	1	0	0	0	0	0	0	1	1	1
57 ABC to BPA C/E (94811- Section 4)	0	7	7	7	7	0	0	0	0	0	0	0	2	2
58 Total	8	24	24	24	24	9	4.5	0	0	0	0	8	10	24
59 Exchange Energy														
60 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Pasadena [2] (93658)	3	3	3	3	3	2	0	0	0	0	0	3	2	2
64 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 SCE [2] to BPA, Env Storage (94507)	0	15	30	30	30	0	0	0	0	0	0	0	9	9
66 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Anaheim (92784)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
68 Riverside [1] (92858)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
69 Riverside [2] (93958)	16	4	4	4	4	4	4	0	0	16	16	16	7	7
70 Imperial Irrig. (94277)	14	15	15	15	15	0	0	0	0	0	0	14	7	7
71 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	7
72 Vernon (94672)	0	0	0	0	0	0	0	0	0	0	0	0	0	4
73 Azusa (94883)	0	0	0	0	0	0	0	0	0	0	0	0	0	2
74 ---placeholder---	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Total	45	49	64	64	64	18	10	0	0	16	16	33	32	44
76 Total (repl + exch)	53	73	88	88	88	27	14.5	0	0	16	16	41	42	68
77 Total (PNW + PSW)	53	73	88	88	88	27	14.5	0	0	16	22	47	43	69



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SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000 Avg/Tot	4-Year Avg/Tot
1 DEMAND LOADS (BPA to ___)														
2 Pacific Northwest														
3 WWP (94519)	35	35	32	32	31	32	29	12	13	0	0	0	21	26
4 Total (PNW)	35	35	32	32	31	32	29	12	13	0	0	0	21	26
5 Pacific Southwest														
6 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658)	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784)	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858)	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958)	60	15	15	15	15	15	15	60	60	60	60	60	38	36
15 Imperial Irrig. (94277)	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Vernon (94672)	0	0	0	0	0	0	0	0	0	0	0	0	0	4
18 Azusa (94883)	0	0	0	0	0	0	0	0	0	0	0	0	0	4
19 BPA to ABC C/E (94811- 5,6a,6b)	0	0	0	0	0	0	0	0	28	28	28	28	9	5
20 Total (PSW)	157	15	15	15	15	15	15	125	200	200	200	200	98	99
21 Total (PNW + PSW)	192	50	47	47	46	47	44	137	213	200	200	200	119	125
22														
23 ENERGY LOADS (BPA to ___)														
24 Pacific Northwest														
25 BPA to PSP&L, Seas Pwr Xchg (92527)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 WWP (94519)	35	34	31	31	30	31	29	12	12	0	0	0	20	26
27 Total (PNW)	35	34	31	31	30	31	29	12	12	0	0	0	20	26
28 Pacific Southwest														
29 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 BPA to Pasadena [2], Pkng/Nrg. (93658)	0	0	0	0	0	0	0	2	2	0	0	0	0	0
31 BPA to SCE [2], Env Storage (94507)	0	0	0	0	0	0	18	36	36	18	0	0	9	9
32 Riverside [2] (93958)	0	0	0	0	0	0	0	24	25	0	0	0	4	4
33 Imperial Irrig. (94277)	0	0	0	0	0	0	0	21	21	0	0	0	4	4
34 Vernon (94672)	0	0	0	0	0	0	0	0	0	0	0	0	0	4
35 Azusa (94883)	0	0	0	0	0	0	0	0	0	0	0	0	0	3
36 BPA to ABC C/E (94811- 5,6a,6b)	0	0	0	0	0	0	0	9	9	9	9	9	3	2
37 Total (PSW)	0	0	0	0	0	0	18	83	93	27	9	9	20	25
38 Total (PNW + PSW)	35	34	31	31	30	31	47	95	105	27	9	9	40	50
39														
40 ENERGY RESOURCES (___ to BPA)														
41 Pacific Northwest														
42 Replacement Energy														
43 WWP (94519)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PowerEx to BPA (94836 -sec 6b of 94811)	0	0	0	0	0	0	0	0	0	0	6	6	1	1
45 ---placeholder---	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46 Total	0	0	0	0	0	0	0	0	0	0	6	6	1	1
47 Exchange Energy (PNW)														
48 PSP&L to BPA, Seas Pwr Xchg (92527)	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
50 Total (PNW)	0	0	0	0	0	0	0	0	0	0	6	6	1	1
51 Pacific Southwest														
52 Replacement Energy														
53 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	11
54 Riverside [2] (93958)	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
55 Imperial Irrig. (94277)	7	7	7	7	7	0	0	0	0	0	0	7	4	4
56 Pasadena [2] (93658)	1	1	1	1	1	0	0	0	0	0	0	1	1	1
57 ABC to BPA C/E (94811- Section 4)	0	7	7	7	7	0	0	0	0	0	0	0	2	2
58 Total	8	24	24	24	24	9	4.5	0	0	0	0	8	10	21
59 Exchange Energy														
60 Burbank (92411)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Glendale (92412)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Pasadena [1] (92413)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Pasadena [2] (93658)	3	3	3	3	3	2	0	0	0	0	0	3	2	2
64 SCE [1] (92275)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 SCE [2] to BPA, Env Storage (94507)	0	15	30	30	30	0	0	0	0	0	0	0	9	9
66 M-S-R (92499)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Anaheim (92784)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
68 Riverside [1] (92858)	6	6	6	6	6	6	3	0	0	0	0	0	3	3
69 Riverside [2] (93958)	16	4	4	4	4	4	4	0	16	16	16	16	7	7
70 Imperial Irrig. (94277)	14	15	15	15	15	0	0	0	0	0	0	14	7	7
71 SDG&E (93373)	0	0	0	0	0	0	0	0	0	0	0	0	0	5
72 Vernon (94672)	0	0	0	0	0	0	0	0	0	0	0	0	0	3
73 Azusa (94883)	0	0	0	0	0	0	0	0	0	0	0	0	0	2
74 ---placeholder---	0	0	0	0	0	0	0	0	0	0	0	0	0	0
75 Total	45	49	64	64	64	18	10	0	16	16	33	32	41	41
76 Total (repl + exch)	53	73	88	88	88	27	14.5	0	16	16	41	42	62	62
77 Total (PNW + PSW)	53	73	88	88	88	27	14.5	0	16	22	47	43	62	62

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SURPLUS/DEFICIT CALCULATION  
 Post-Act Exchange Contracts  
 Megawatts  
 Test Period October 1996 - September 2001

SDC04

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	FY 2001 Avg/Tot	5-Year Avg/Tot
<b>1 DEMAND LOADS (BPA to __)</b> .....														
<b>2 Pacific Northwest</b> .....														
3 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	21
<b>4 Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	21
<b>5 Pacific Southwest</b> .....														
6 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Pasadena [2] (93658).....	0	0	0	0	0	0	0	15	15	15	15	15	6	6
10 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Anaheim (92784).....	24	0	0	0	0	0	0	0	24	24	24	24	10	10
13 Riverside [1] (92858).....	23	0	0	0	0	0	0	0	23	23	23	23	10	10
14 Riverside [2] (93958).....	60	15	15	15	15	15	15	60	60	60	60	60	38	36
15 Imperial Irrig. (94277).....	50	0	0	0	0	0	0	50	50	50	50	50	25	25
16 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Vernon (94672).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
18 Azusa (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
19 BPA to ABC C/E (94811- 5,6a,6b).....	0	0	0	0	0	0	0	0	28	28	28	28	9	6
<b>20 Total (PSW)</b> .....	157	15	15	15	15	15	15	125	200	200	200	200	98	99
<b>21 Total (PNW + PSW)</b> .....	157	15	15	15	15	15	15	125	200	200	200	200	98	120
22														
<b>23 ENERGY LOADS (BPA to __)</b> .....														
<b>24 Pacific Northwest</b> .....														
25 BPA to PSP&L, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	20
<b>27 Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	0	0	0	20
<b>28 Pacific Southwest</b> .....														
29 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30 BPA to Pasadena [2], Pkng/Nrg. (93658).....	0	0	0	0	0	0	0	2	2	0	0	0	0	0
31 BPA to SCE [2], Env Storage (94507).....	0	0	0	0	0	0	18	36	36	18	0	0	9	9
32 Riverside [2] (93958).....	0	0	0	0	0	0	0	24	25	0	0	0	4	4
33 Imperial Irrig. (94277).....	0	0	0	0	0	0	0	21	21	0	0	0	4	4
34 Vernon (94672).....	0	0	0	0	0	0	0	0	0	0	0	0	0	3
35 Azusa (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	2
36 BPA to ABC C/E (94811- 5,6a,6b).....	0	0	0	0	0	0	0	0	9	9	9	9	3	2
<b>37 Total (PSW)</b> .....	0	0	0	0	0	0	18	83	93	27	9	9	20	24
<b>38 Total (PNW + PSW)</b> .....	0	0	0	0	0	0	18	83	93	27	9	9	20	44
39														
<b>40 ENERGY RESOURCES (__ to BPA)</b>														
<b>41 Pacific Northwest</b> .....														
<b>42 Replacement Energy</b> .....														
43 WWP (94519).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44 PowerEx to BPA (94836 -sec 6b of 94811).....	0	0	0	0	0	0	0	0	0	0	6	6	1	1
45 ----placeholder-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>46 Total</b> .....	0	0	0	0	0	0	0	0	0	0	6	6	1	1
<b>47 Exchange Energy (PNW)</b> .....														
48 PSP&L to BPA, Seas Pwr Xchg (92527).....	0	0	0	0	0	0	0	0	0	0	150	150	25	5
<b>49 Total</b> .....	0	0	0	0	0	0	0	0	0	0	150	150	25	5
<b>50 Total (PNW)</b> .....	0	0	0	0	0	0	0	0	0	0	156	156	26	6
<b>51 Pacific Southwest</b> .....														
<b>52 Replacement Energy</b> .....														
53 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	9
54 Riverside [2] (93958).....	0	9	9	9	9	9	4.5	0	0	0	0	0	4	4
55 Imperial Irrig. (94277).....	7	7	7	7	7	7	0	0	0	0	0	7	4	4
56 Pasadena [2] (93658).....	1	1	1	1	1	0	0	0	0	0	0	1	1	1
57 ABC to BPA C/E (94811- Section 4).....	0	7	7	7	7	7	0	0	0	0	0	0	2	2
<b>58 Total</b> .....	8	24	24	24	24	9	4.5	0	0	0	0	8	10	19
<b>59 Exchange Energy</b> .....														
60 Burbank (92411).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
61 Glendale (92412).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62 Pasadena [1] (92413).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63 Pasadena [2] (93658).....	3	3	3	3	3	2	0	0	0	0	0	3	2	2
64 SCE [1] (92275).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
65 SCE [2] to BPA, Env Storage (94507).....	0	15	30	31	30	0	0	0	0	0	0	0	9	9
66 M-S-R (92499).....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
67 Anaheim (92784).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
68 Riverside [1] (92858).....	6	6	6	6	6	6	3	0	0	0	0	0	3	3
69 Riverside [2] (93958).....	16	4	4	4	4	4	4	0	0	16	16	16	7	7
70 Imperial Irrig. (94277).....	14	15	15	15	15	0	0	0	0	0	0	14	7	7
71 SDG&E (93373).....	0	0	0	0	0	0	0	0	0	0	0	0	0	4
72 Vernon (94672).....	0	0	0	0	0	0	0	0	0	0	0	0	0	2
73 Azusa (94883).....	0	0	0	0	0	0	0	0	0	0	0	0	0	1
74 ----placeholder-----	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>75 Total</b> .....	45	49	64	65	64	18	10	0	0	16	16	33	32	39
<b>76 Total (repl + exch)</b> .....	53	73	88	89	88	27	14.5	0	0	16	16	41	42	58
<b>77 Total (PNW + PSW)</b> .....	53	73	88	89	88	27	14.5	0	0	16	172	197	68	63

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SURPLUS/DEFICIT CALCULATION  
 Surplus Purchase to NFRAP Interface  
 Megawatts  
 Test Period October 1996 - September 2001

SDC05

	A	B	C	D	E	F	G	H	I	J	K	L	M
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	FY 1997 Avg/Tot
1 Generated Energy .....													
2 Firm Surplus/Deficit.....	443	-130.4	-668.1	-1097	404.4	440.1	2583	1915.9	1282	-153	-748.4	-215.6	338
3 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0
4 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Total.....	443	-130.4	-668.1	-1097	404.4	440.1	2583	1915.9	1282	-153	-748.4	-215.6	338
6													
7 #####													
8 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Loss factor.....	1.025	1.027	1.029	1.030	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023	
10 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.028	
13 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0
14													
15 #####													
16 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Loss factor.....	1.064	1.066	1.068	1.069	1.067	1.066	1.065	1.064	1.064	1.063	1.063	1.062	
18 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.068	1.068	
21 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0
22													
23 Other New Resource Firm.....													
24 Energy .....	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	1
25 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023	
26 Generated Energy .....	1	1	1	1	1	1	1	1	1	1	1	1	1
27													
28 Net Firm Surplus/Deficit.....													
29 Generated Energy .....	442	-132	-669	-1098	403	439	2582	1915	1281	-154	-749	-216	337
30													
31 Surplus Firm Power Open Market.....													
32 Generated Energy .....	442	0	0	0	403	439	2582	1915	1281	0	0	0	588
33													
34 Balancing Purchase Power.....													
35 Generated Energy .....	0	132	669	1098	0	0	0	0	0	154	749	216	252

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SURPLUS/DEFICIT CALCULATION  
 Surplus Purchase to NFRAP Interface  
 Megawatts  
 Test Period October 1996 - September 2001

SDC05

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98	FY 1998 Avg/Tot	2-Year Avg/Tot
1 Generated Energy .....														
2 Firm Surplus/Deficit.....	196.5	-335.1	-503.4	-2415	655.9	171.7	2528.8	2360.7	1948	-687	-1665	-257.5	167	252
3 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Total.....	196.5	-335.1	-503.4	-2415	655.9	171.7	2528.8	2360.7	1948	-687	-1665	-257.5	167	252
6														
7 #####														
8 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
10 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.028		
13 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14														
15 #####														
16 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Loss factor.....	1.064	1.066	1.068	1.069	1.067	1.066	1.065	1.064	1.064	1.063	1.063	1.062		
18 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.068	1.068		
21 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22														
23 Other New Resource Firm.....														
24 Energy .....	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	1	1
25 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
26 Generated Energy .....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27														
28 Net Firm Surplus/Deficit.....														
29 Generated Energy .....	196	-336	-505	-2417	655	171	2528	2360	1947	-687	-1666	-258	166	251
30														
31 Surplus Firm Power Open Market.....														
32 Generated Energy .....	196	0	0	0	655	171	2528	2360	1947	0	0	0	655	622
33														
34 Balancing Purchase Power.....														
35 Generated Energy .....	0	336	505	2417	0	0	0	0	0	687	1666	258	489	370

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SURPLUS/DEFICIT CALCULATION  
 Surplus Purchase to NFRAP Interface  
 Megawatts  
 Test Period October 1996 - September 2001

SDC05

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99	FY 1999 Avg/Tot	3-Year Avg/Tot
1 Generated Energy .....														
2 Firm Surplus/Deficit.....	-90.4	-844	-375.5	-3001	-702.1	-536.7	3394.1	3900.4	1879	-1340	-2225	-511.3	-38	156
3 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Total.....	-90.4	-844	-375.5	-3001	-702.1	-536.7	3394.1	3900.4	1879	-1340	-2225	-511.3	-38	156
6														
7 #####														
8 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
10 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.028		
13 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14														
15 #####														
16 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Loss factor.....	1.064	1.066	1.068	1.069	1.067	1.066	1.065	1.064	1.064	1.063	1.063	1.062		
18 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.068	1.068		
21 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22														
23 Other New Resource Firm.....														
24 Energy .....	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	1	1
25 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
26 Generated Energy .....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27														
28 Net Firm Surplus/Deficit.....														
29 Generated Energy .....	-91	-845	-377	-3003	-703	-538	3393	3899	1878	-1341	-2226	-512	-39	155
30														
31 Surplus Firm Power Open Market.....														
32 Generated Energy .....	0	0	0	0	0	0	3393	3899	1878	0	0	0	764	669
33														
34 Balancing Purchase Power.....														
35 Generated Energy .....	91	845	377	3003	703	538	0	0	0	1341	2226	512	803	515

Routing: MPPD  
 Date: April 13, 1999  
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SURPLUS/DEFICIT CALCULATION  
 Surplus Purchase to NFRAP Interface  
 Megawatts  
 Test Period October 1996 - September 2001

SDC05

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00	FY 2000 Avg/Tot	4-Year Avg/Tot
1 Generated Energy .....														
2 Firm Surplus/Deficit.....	-332.2	-557.5	-971.9	-2532	-1203	-1224	1520.9	4424.4	2144	-1659	-1591	-206.7	-182	71
3 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Total.....	-332.2	-557.5	-971.9	-2532	-1203	-1224	1520.9	4424.4	2144	-1659	-1591	-206.7	-182	71
6														
7 #####														
8 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
10 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.028		
13 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14														
15 #####														
16 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Loss factor.....	1.064	1.066	1.068	1.069	1.067	1.066	1.065	1.064	1.064	1.063	1.063	1.062		
18 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.068	1.068		
21 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22														
23 Other New Resource Firm.....														
24 Energy .....	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	1	1
25 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
26 Generated Energy .....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27														
28 Net Firm Surplus/Deficit.....														
29 Generated Energy .....	-333	-559	-973	-2533	-1204	-1225	1520	4423	2143	-1659	-1591	-208	-183	70
30														
31 Surplus Firm Power Open Market.....														
32 Generated Energy .....	0	0	0	0	0	0	1520	4423	2143	0	0	0	674	670
33														
34 Balancing Purchase Power.....														
35 Generated Energy .....	333	559	973	2533	1204	1225	0	0	0	1659	1591	208	857	600

Routing: MPPD  
 Date: April 13, 1999  
 Time: 08:55:27 AM

SURPLUS/DEFICIT CALCULATION  
 Surplus Purchase to NFRAP Interface  
 Megawatts  
 Test Period October 1996 - September 2001

SDC05

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01	FY 2001 Avg/Tot	5-Year Avg/Tot
1 Generated Energy .....														
2 Firm Surplus/Deficit.....	-519.7	-654.8	-535.2	-2399	-1193	-1249	1496.9	3347	410	-826	-1501	-142.6	-314	-6
3 May Water Budget.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4 June Columbia Flow Augmentation.....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5 Total.....	-519.7	-654.8	-535.2	-2399	-1193	-1249	1496.9	3347	410	-826	-1501	-142.6	-314	-6
6														
7 #####														
8 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
10 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.028	1.028		
13 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14														
15 #####														
16 Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17 Loss factor.....	1.064	1.066	1.068	1.069	1.067	1.066	1.065	1.064	1.064	1.063	1.063	1.062		
18 Generated Energy .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19 Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20 Loss factor.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.068	1.068		
21 Generated Capacity .....	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22														
23 Other New Resource Firm.....														
24 Energy .....	0.9	1.1	1.2	1.3	1.2	1.1	1	0.9	0.9	0.8	0.8	0.8	1	1
25 Loss factor.....	1.025	1.027	1.029	1.03	1.028	1.027	1.026	1.025	1.025	1.024	1.024	1.023		
26 Generated Energy .....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27														
28 Net Firm Surplus/Deficit.....														
29 Generated Energy .....	-521	-656	-536	-2400	-1194	-1251	1496	3346	409	-826	-1502	-143	-315	-7
30														
31 Surplus Firm Power Open Market.....														
32 Generated Energy .....	0	0	0	0	0	0	1496	3346	409	0	0	0	438	624
33														
34 Balancing Purchase Power.....														
35 Generated Energy .....	521	656	536	2400	1194	1251	0	0	0	826	1502	143	753	631

## Surplus Deficit Calculation Documentation

### SDC01

Provides detailed information on energy load and resource items which are summarized in subsequent SDCxx tables. Exports and Imports relate to loads and resources outside the Pacific Northwest Region. Exports are loads served with BPA firm power. Imports are contractually acquired resources. Contracts In and Contracts Out relate to loads and resources within the Pacific Northwest region. Contracts In are contractually acquired resources. Contracts Out are load served with BPA firm power on a contractual basis. Non Utility Generation are resource acquisitions that BPA has contracted for.

### SDC02

Calculates the amount of available surplus firm energy and balancing purchase power. Loads and resources are from Federal System Table 2 of the Loads and Resources Study. The information in the Loads and Resources Study is arranged by operating year, a twelve month period ending in July. The data can be found in tables labeled Federal System Table 2, Summary of Federal System Loads and Resources in the Pacific Northwest Region under the Pacific Northwest Electric Power Planning and conservation act, Medium Loads, for the operating years 1996-97 through 2000-01. The loads and resources in this table are not grouped by rate pool or resource pool, nor do they include the loads and resources of the residential exchange. Furthermore, these load/resource balances are not ratemaking load/resource balances, but planning load/resource balances. These planning load/resource balances serve as a starting point for constructing ratemaking load/resource balances in the EAF series.

### SDC10

Revenues from Surplus Firm Power Contracts at Other Than Fully Allocated Cost. This table summarizes BPA's surplus firm contract sales at other than fully allocated cost (SP-OTFAC) by region. Convertible contracts appear as zero in this table when they are entirely in power sale mode.

### SDC04

This spreadsheet summarizes Post Act Exchange Contracts. Convertible contracts appear as zeroes when they are entirely in power sale mode.

### SDC05

Surplus Purchase to NFRAP Interface - Calculate Surplus Firm Power Open Market and Balancing Purchase Power



## Surplus Deficit Calculation Documentation

### SDC01

Provides detailed information on energy load and resource items which are summarized in subsequent SDCxx tables. Exports and Imports relate to loads and resources outside the Pacific Northwest Region. Exports are loads served with BPA firm power. Imports are contractually acquired resources. Contracts In and Contracts Out relate to loads and resources within the Pacific Northwest region. Contracts In are contractually acquired resources. Contracts Out are load served with BPA firm power on a contractual basis. Non Utility Generation are resource acquisitions that BPA has contracted for.

### SDC02

Calculates the amount of available surplus firm energy and balancing purchase power. Loads and resources are from Federal System Table 2 of the Loads and Resources Study. The information in the Loads and Resources Study is arranged by operating year, a twelve month period ending in July. The data can be found in tables labeled Federal System Table 2, Summary of Federal System Loads and Resources in the Pacific Northwest Region under the Pacific Northwest Electric Power Planning and conservation act, Medium Loads, for the operating years 1996-97 through 2000-01. The loads and resources in this table are not grouped by rate pool or resource pool, nor do they include the loads and resources of the residential exchange. Furthermore, these load/resource balances are not ratemaking load/resource balances, but planning load/resource balances. These planning load/resource balances serve as a starting point for constructing ratemaking load/resource balances in the EAF series.

### SDC10

Revenues from Surplus Firm Power Contracts at Other Than Fully Allocated Cost. This table summarizes BPA's surplus firm contract sales at other than fully allocated cost (SP-OTFAC) by region. Convertible contracts appear as zero in this table when they are entirely in power sale mode.

### SDC04

This spreadsheet summarizes Post Act Exchange Contracts. Convertible contracts appear as zeroes when they are entirely in power sale mode.

### SDC05

Surplus Purchase to NFRAP Interface - Calculate Surplus Firm Power Open Market and Balancing Purchase Power

	<b>PNW</b>		<b><u>Oct-96</u></b>	<b><u>Nov-96</u></b>	<b><u>Dec-96</u></b>	<b><u>Jan-97</u></b>	<b><u>Feb-97</u></b>	<b><u>Mar-97</u></b>	<b><u>Apr-97</u></b>	<b><u>May-97</u></b>	<b><u>Jun-97</u></b>
1	<b>PP&amp;L Capacity Sale PPL-90 (92497)</b>	MW	1100	1100	1100	1100	1100	1100	1100	1100	1100
2		aMW									
3		Tot Rev (\$000)	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688
4	<b>Other PNW Capacity Sale</b>	MW	140	140	200	200	200	140	140	140	140
5		aMW									
6		Tot Rev (\$000)	762	762	1,084	1,084	1,084	762	762	762	762
7	<b>PSP&amp;L mSL-87 (92527)</b>	MW	300	300	300	300	300	300	0	0	0
8		aMW	150	150	150	150	150	150	0	0	0
9		Tot Rev (\$000)	4,049	3,918	4,049	4,049	3,657	4,049	0	0	0
10	<b>Total PNW-OTFAC</b>	MW	1992	2245	2364	2365	2333	2199	1923	1885	1875
11		aMW	510	651	693	691	662	622	572	554	551
12		Tot Rev (\$000)	18,537	21,255	22,767	22,758	21,001	21,142	17,110	16,167	15,843
	<b>Total includes PSP&amp;L and capacity sale</b>										
	<b>PSW</b>		<b><u>Oct-96</u></b>	<b><u>Nov-96</u></b>	<b><u>Dec-96</u></b>	<b><u>Jan-97</u></b>	<b><u>Feb-97</u></b>	<b><u>Mar-97</u></b>	<b><u>Apr-97</u></b>	<b><u>May-97</u></b>	<b><u>Jun-97</u></b>
13	<b>Total PSW Capacity Sale:</b>	MW	20	32	32	32	32	32	32	47	0
14		aMW									
15		Tot Rev (\$000)	62	193	193	193	193	193	193	284	0
16	<b>SCE mSC-86 (92275)</b>	MW	250	250	250	250	250	250	250	250	250
17		aMW	131	145.2	137	137	135.3	135.6	131	131	131
18		Tot Rev (\$000)	3,528	3,784	3,690	3,690	3,291	3,652	3,414	3,528	3,414
19	<b>Total PSW-OTFAC</b>	MW	486	468	468	468	468	468	468	533	486
20		aMW	780	891	901	901	860	820	767	783	820
21		Tot Rev (\$000)	8,576	7,634	6,969	7,029	6,192	6,703	6,445	7,444	8,109
	<b>Total includes SCE and capacity sale</b>										

SDC\_Jim

<u>Jul-97</u>	<u>Aug-97</u>	<u>Sep-97</u>	<u>Oct-97</u>	<u>Nov-97</u>	<u>Dec-97</u>	<u>Jan-98</u>	<u>Feb-98</u>	<u>Mar-98</u>	<u>Apr-98</u>	<u>May-98</u>	<u>Jun-98</u>	<u>Jul-98</u>	<u>Aug-98</u>
1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688
140	140	140	140	140	200	200	200	140	140	140	140	140	140
762	762	762	767	767	1,089	1,089	1,089	767	767	767	767	767	767
0	0	0	300	300	300	300	300	300	0	0	0	0	0
0	0	0	150	150	150	150	150	150	0	0	0	0	0
0	0	0	4,049	3,918	4,049	4,049	3,657	4,049	0	0	0	0	0
1875	1618	1638	2096	2359	2475	2485	2454	2310	2083	2047	2037	2037	1642
551	310	319	568	707	746	752	726	685	693	676	674	675	287
16,376	13,135	13,396	19,423	22,074	23,539	23,770	21,984	22,200	18,849	17,543	17,216	17,938	12,410
<u>Jul-97</u>	<u>Aug-97</u>	<u>Sep-97</u>	<u>Oct-97</u>	<u>Nov-97</u>	<u>Dec-97</u>	<u>Jan-98</u>	<u>Feb-98</u>	<u>Mar-98</u>	<u>Apr-98</u>	<u>May-98</u>	<u>Jun-98</u>	<u>Jul-98</u>	<u>Aug-98</u>
0	20	20	20	32	32	32	32	32	32	47	0	0	20
0	62	62	64	195	195	195	195	195	195	287	0	0	64
250	250	250	250	250	250	250	250	250	250	250	250	250	250
131	131	131	131	145.2	137	137	135.3	135.6	131	131	131	131	131
3,528	3,528	3,414	3,528	3,784	3,690	3,690	3,291	3,652	3,414	3,528	3,414	3,528	3,528
486	486	486	486	468	468	468	468	468	468	533	486	486	486
860	598	611	271	240	208	210	198	198	195	229	269	309	288
9,459	9,102	8,964	8,646	7,687	7,012	7,074	6,230	6,743	6,484	7,496	8,170	9,540	9,172

<u>Sep-98</u>	<u>Oct-98</u>	<u>Nov-98</u>	<u>Dec-98</u>	<u>Jan-99</u>	<u>Feb-99</u>	<u>Mar-99</u>	<u>Apr-99</u>	<u>May-99</u>	<u>Jun-99</u>	<u>Jul-99</u>	<u>Aug-99</u>	<u>Sep-99</u>	<u>Oct-99</u>
1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688
140	140	140	200	200	200	140	140	140	140	140	140	140	140
767	772	772	1,094	1,094	1,094	772	772	772	772	772	772	772	777
0	300	300	300	300	300	300	0	0	0	0	0	0	300
0	150	150	150	150	150	150	0	0	0	0	0	0	150
0	4,049	3,918	4,049	4,049	3,657	4,049	0	0	0	0	0	0	4,049
1662	2077	2188	2304	2312	2282	2139	2077	2041	2033	2035	1725	1743	2157
292	531	592	632	637	610	572	675	659	657	659	350	359	593
12,740	18,566	19,368	20,810	21,057	19,395	19,502	18,200	16,548	16,240	17,067	13,414	13,914	19,707
<u>Sep-98</u>	<u>Oct-98</u>	<u>Nov-98</u>	<u>Dec-98</u>	<u>Jan-99</u>	<u>Feb-99</u>	<u>Mar-99</u>	<u>Apr-99</u>	<u>May-99</u>	<u>Jun-99</u>	<u>Jul-99</u>	<u>Aug-99</u>	<u>Sep-99</u>	<u>Oct-99</u>
20	20	32	32	32	32	32	32	47	0	0	20	20	20
64	66	197	197	197	197	197	197	290	0	0	66	66	68
250	250	250	250	250	250	250	250	250	250	250	250	250	250
131	131	145.2	137	137	135.3	135.6	131	131	131	131	131	131	131
3,414	3,528	3,784	3,690	3,690	3,291	3,652	3,414	3,528	3,414	3,528	3,528	3,414	3,528
486	486	468	468	468	468	468	468	533	486	486	486	486	486
292	271	240	208	210	198	198	195	229	269	309	288	292	271
9,036	8,726	7,746	7,060	7,122	6,271	6,787	6,527	7,550	8,238	9,630	9,250	9,115	8,796

<u>Nov-99</u>	<u>Dec-99</u>	<u>Jan-00</u>	<u>Feb-00</u>	<u>Mar-00</u>	<u>Apr-00</u>	<u>May-00</u>	<u>Jun-00</u>	<u>Jul-00</u>	<u>Aug-00</u>	<u>Sep-00</u>	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
1100	1100	1100	1100	1100	1100	1100	1100	925	925	925	925	925	925
6,688	6,688	6,688	6,688	6,688	6,688	6,688	6,688	5,624	5,624	5,624	5,624	5,624	5,624
140	200	200	200	140	50	50	50	50	50	50	50	50	50
777	1,099	1,099	1,099	777	295	295	295	295	295	295	300	300	300
300	300	300	300	300	0	0	0	0	0	0	300	300	300
150	150	150	150	150	0	0	0	0	0	0	150	150	150
3,918	4,049	4,049	3,788	4,049	0	0	0	0	0	0	4,049	3,918	4,049
2268	2384	2393	2363	2219	2091	2055	2048	1875	1485	1489	1891	1944	1971
654	694	699	672	635	762	745	743	746	394	393	624	639	659
20,500	21,986	22,271	20,928	20,704	19,115	17,174	16,834	16,738	12,383	12,758	18,469	18,361	19,124
<u>Nov-99</u>	<u>Dec-99</u>	<u>Jan-00</u>	<u>Feb-00</u>	<u>Mar-00</u>	<u>Apr-00</u>	<u>May-00</u>	<u>Jun-00</u>	<u>Jul-00</u>	<u>Aug-00</u>	<u>Sep-00</u>	<u>Oct-00</u>	<u>Nov-00</u>	<u>Dec-00</u>
32	32	32	32	32	32	47	0	0	20	20	20	32	32
199	199	199	199	199	199	293	0	0	68	68	70	201	201
250	250	250	250	250	250	250	250	250	250	250	250	250	250
145.2	137	137	135.3	135.6	131	131	131	131	131	131	131	145.2	137
3,784	3,690	3,690	3,409	3,652	3,414	3,528	3,414	3,528	3,528	3,414	3,528	3,784	3,690
468	468	468	468	468	468	533	486	486	486	486	486	468	468
240	208	210	198	198	195	229	269	309	288	292	271	240	208
7,799	7,103	7,166	6,480	6,827	6,566	7,601	8,299	9,713	9,320	9,187	8,876	7,858	7,151

<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
925	925	925	925	925	925	925	925	925
5,624	5,624	5,624	5,624	5,624	5,624	5,624	5,624	5,624
50	50	50	50	50	50	50	50	50
300	300	300	300	300	300	300	300	300
300	300	300	0	0	0	0	0	0
150	150	150	0	0	0	0	0	0
4,049	3,657	4,049	0	0	0	0	0	0
1969	1969	1919	1952	1966	1959	1875	1494	1498
657	651	641	832	851	848	784	404	403
19,302	17,968	18,999	18,777	17,229	16,829	17,034	12,541	12,915
<u>Jan-01</u>	<u>Feb-01</u>	<u>Mar-01</u>	<u>Apr-01</u>	<u>May-01</u>	<u>Jun-01</u>	<u>Jul-01</u>	<u>Aug-01</u>	<u>Sep-01</u>
32	32	32	32	47	0	0	20	20
201	201	201	201	296	0	0	70	70
250	250	250	250	250	250	250	250	250
137	135.3	135.6	131	131	131	131	131	131
3,690	3,291	3,652	3,414	3,528	3,414	3,528	3,528	3,414
468	468	468	468	533	486	486	486	486
210	198	198	195	229	269	309	288	292
7,214	6,350	6,870	6,609	7,657	8,368	9,804	9,399	9,267