

**TABLE 1**  
**Transmission Revenue Requirement**  
**(\$000/yr, except \$000 @ Plant)**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	FCRTS	Generation		Delivery		Southern	Eastern	General
	Total	Integration	Network	Utility	Industry	Intertie	Intertie	Plant
<b>FY97</b>								
1. 1 Gross Plant (\$000).....	4,926,417	115,840	3,057,611	119,898	84,381	662,762	120,426	765,499
1. 2 Lines (\$000).....	2,027,402	32,795	1,696,403	136	14	200,163	97,891	
1. 3 Stations (\$000).....	2,133,516	83,045	1,361,208	119,762	84,367	462,599	22,535	
1. 4 Net Plant (\$000).....	2,946,530	83,368	1,741,906	94,833	66,391	489,471	77,839	392,722
1. 5 System Operations.....	59,159	2,134	40,687	3,782	2,788	9,259	509	
1. 6 System Maintenance.....	90,144	3,433	66,500	4,451	3,260	11,653	847	
1. 7 General Transfer Agreements.....	33,518	0	30,885	2,577	56	0	0	
1. 8 TSD Support; Leases; O&M Services..	8,975	359	8,051	0	560	5	0	
1. 9 Depreciation.....	118,996	2,388	90,603	2,564	1,812	17,408	4,221	
1.10 Interest.....	178,250	5,861	128,047	6,985	4,897	26,719	5,741	
1.11 Planned Net Revenues.....	34,058	1,120	24,465	1,335	936	5,105	1,097	
1.12 Total Cost.....	<b>523,100</b>	<b>15,295</b>	<b>389,238</b>	<b>21,694</b>	<b>14,309</b>	<b>70,149</b>	<b>12,415</b>	
1.13 Net Plant Shares.....	1.000	0.033	0.682	0.037	0.026	0.192	0.030	
<b>FY98</b>								
1.14 Gross Plant (\$000).....	5,089,250	115,840	3,132,911	122,198	86,181	675,362	120,426	836,332
1.15 Lines (\$000).....	2,047,212	32,795	1,715,913	136	14	200,463	97,891	
1.16 Stations (\$000).....	2,205,706	83,045	1,416,998	122,062	86,167	474,899	22,535	
1.17 Net Plant (\$000).....	3,008,419	81,309	1,754,860	95,287	66,911	489,452	74,434	446,166
1.18 System Operations.....	58,791	2,152	40,421	3,755	2,768	9,191	505	
1.19 System Maintenance.....	89,471	3,481	65,963	4,412	3,230	11,545	839	
1.20 General Transfer Agreements.....	34,298	0	31,597	2,643	58	0	0	
1.21 TSD Support; Leases; O&M Services..	9,233	368	8,285	0	575	5	0	
1.22 Depreciation.....	124,137	2,417	94,758	2,672	1,894	18,088	4,308	
1.23 Interest.....	177,149	5,595	127,499	6,940	4,881	26,805	5,429	
1.24 Planned Net Revenues.....	32,811	1,036	23,615	1,285	904	4,965	1,006	
1.25 Total Cost.....	<b>525,890</b>	<b>15,049</b>	<b>392,138</b>	<b>21,707</b>	<b>14,310</b>	<b>70,599</b>	<b>12,087</b>	
1.26 Net Plant Shares.....	1.000	0.032	0.685	0.037	0.026	0.191	0.029	
<b>FY99</b>								
1.27 Gross Plant (\$000).....	5,219,965	115,840	3,213,011	124,498	88,081	681,262	120,426	876,847
1.28 Lines (\$000).....	2,066,978	32,795	1,735,479	136	14	200,663	97,891	
1.29 Stations (\$000).....	2,276,140	83,045	1,477,532	124,362	88,067	480,599	22,535	
1.30 Net Plant (\$000).....	3,054,464	79,250	1,756,640	95,449	67,248	484,325	71,029	500,523
1.31 System Operations.....	60,879	2,204	41,872	3,890	2,868	9,522	523	
1.32 System Maintenance.....	93,223	3,561	68,774	4,602	3,369	12,042	875	
1.33 General Transfer Agreements.....	33,924	0	31,156	2,709	59	0	0	
1.34 TSD Support; Leases; O&M Services..	10,736	378	9,763	0	590	5	0	
1.35 Depreciation.....	129,099	2,447	98,816	2,779	1,977	18,681	4,399	
1.36 Interest.....	175,808	5,364	126,842	6,911	4,878	26,661	5,152	
1.37 Planned Net Revenues.....	33,206	1,013	23,958	1,305	921	5,036	973	
1.38 Total Cost.....	<b>536,875</b>	<b>14,967</b>	<b>401,181</b>	<b>22,196</b>	<b>14,662</b>	<b>71,947</b>	<b>11,922</b>	
1.39 Net Plant Shares.....	1.000	0.031	0.688	0.037	0.026	0.190	0.028	

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	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	FCRTS	Generation	Network	Delivery	Industry	Southern	Eastern	General
	Total	Integration		Utility		Intertie	Intertie	Plant
<b>FY00</b>								
1.40 Gross Plant (\$000).....	5,423,159	115,840	3,295,711	126,698	89,981	687,062	120,426	987,441
1.41 Lines (\$000).....	2,091,377	32,795	1,759,678	136	14	200,863	97,891	
1.42 Stations (\$000).....	2,344,341	83,045	1,536,033	126,562	89,967	486,199	22,535	
1.43 Net Plant (\$000).....	3,091,228	77,191	1,760,452	95,521	67,601	475,662	67,624	547,177
1.44 System Operations.....	62,736	2,258	43,157	4,010	2,965	9,815	539	
1.45 System Maintenance.....	96,486	3,649	71,208	4,766	3,488	12,470	906	
1.46 General Transfer Agreements.....	34,979	0	32,143	2,775	61	0	0	
1.47 TSD Support; Leases; O&M Services..	10,988	387	9,992	0	604	5	0	
1.48 Depreciation.....	133,971	2,474	102,904	2,883	2,057	19,171	4,482	
1.49 Interest.....	174,807	5,160	126,676	6,895	4,889	26,297	4,890	
1.50 Planned Net Revenues.....	33,443	987	24,235	1,319	935	5,031	936	
1.51 Total Cost.....	<b>547,410</b>	<b>14,915</b>	<b>410,315</b>	<b>22,648</b>	<b>14,999</b>	<b>72,789</b>	<b>11,753</b>	
1.52 Net Plant Shares.....	1.000	0.030	0.692	0.038	0.027	0.187	0.027	
<b>FY01</b>								
1.53 Gross Plant (\$000).....	3,454,956	70,861	1,871,744	38,204	38,083	239,133	135,963	1,060,969
1.54 Lines (\$000).....	2,127,505	32,795	1,795,606	136	14	201,063	97,891	
1.55 Stations (\$000).....	266,483	38,066	76,138	38,068	38,069	38,070	38,072	
1.56 Net Plant (\$000).....	3,137,652	75,132	1,784,748	95,454	67,872	466,696	64,219	583,531
1.57 System Operations.....	64,310	2,319	44,239	4,110	3,030	10,060	552	
1.58 System Maintenance.....	99,756	3,765	73,625	4,927	3,607	12,895	937	
1.59 General Transfer Agreements.....	35,393	0	32,557	2,775	61	0	0	
1.60 TSD Support; Leases; O&M Services..	11,746	396	10,725	0	620	5	0	
1.61 Depreciation.....	138,988	2,495	107,273	2,973	2,129	19,574	4,544	
1.62 Interest.....	181,034	5,139	132,243	7,095	5,055	26,719	4,783	
1.63 Planned Net Revenues.....	29,387	834	21,467	1,152	821	4,337	776	
1.64 Total Cost.....	<b>560,614</b>	<b>14,948</b>	<b>422,129</b>	<b>23,032</b>	<b>15,323</b>	<b>73,590</b>	<b>11,592</b>	
1.65 Net Plant Shares.....	1.000	0.029	0.699	0.037	0.027	0.183	0.025	
1.66 Five Year Cost Totals	<b>2,693,898</b>	<b>75,174</b>	<b>2,015,001</b>	<b>111,277</b>	<b>73,603</b>	<b>359,074</b>	<b>59,769</b>	

**TABLE 2**  
**Transmission Revenue Credits**  
**(\$000)**

	(A)	(B)	(C)	(D)	(E)
	FY97	FY98	FY99	FY00	FY01
2. 1 TransCo PNCA Charges.....	1,083	1,083	1,083	1,083	1,083
2. 2 Use of Facilities (UFT) /1.....	9,024	9,204	9,389	9,576	9,768
2. 3 TGT.....	7,180	9,792	9,792	9,792	9,792
2. 4 BPA's use of Eastern Intertie /2...	474	474	474	474	474
2. 5 Irrigation Pumping Power.....	324	324	324	324	324
2. 6 Operations and Maintenance.....	1,356	1,383	1,411	1,439	1,468
2. 7 AC Rate.....	1,083	1,105	1,127	1,149	1,172
2. 8 NFP Depreciation.....	3,468	3,468	3,468	3,468	3,468
2. 9 CSPE Whlg.....	720	666	462	294	284
2.10 Supplemental Capacity Whlg.....	168	156	106	66	64
2.11 Reactive.....	1,003	1,003	1,003	1,003	1,003
2.12 Remedial Action Scheme (RAS).....	888	888	888	888	888
2.13 Industrial UFT Charges.....	12,645	12,846	13,051	13,258	13,470
2.14 Non-Traditional Revenues.....	7,928	12,528	17,428	21,128	21,528
2.15 <b>Totals.....</b>	<b>47,344</b>	<b>54,920</b>	<b>60,005</b>	<b>63,942</b>	<b>64,786</b>

1/ For utility customers only; includes payments to BPA for transfer services.

2/ BPA GenCo is charged BPA's TGT rate for its use of the Eastern Intertie.

**TABLE 2**  
**Transmission Revenue Credits**  
**(decimals)**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Total	G_I	Network	Utility	Delivery Industrial	Southern Intertie	Eastern Intertie
2.16 TransCo PNCA Charges.....	1.00000	-	1.00000	-	-	-	-
2.17 Use of Facilities.....	1.00000	-	0.79036	0.10610	0.01206	0.03621	0.05527
2.18 TGT.....	1.00000	-	-	-	-	-	1.00000
2.19 BPA's use of Eastern Intertie	1.00000	-	-	-	-	-	1.00000
2.20 Irrigation Pumping Power.....	1.00000	-	1.00000	-	-	-	-
2.21 Operations and Maintenance...	1.00000	-	0.82039	0.01537	0.07363	0.09062	-
2.22 AC Rate.....	1.00000	-	-	-	-	1.00000	-
2.23 NFP Depreciation.....	1.00000	-	-	-	-	1.00000	-
2.24 CSPE Whlg.....	1.00000	0.03643	0.94975	0.01382	-	-	-
2.25 Supplemental Capacity Whlg...	1.00000	0.03704	0.96296	-	-	-	-
2.26 Reactive.....	1.00000	-	0.80000	0.10000	0.10000	-	-
2.27 RAS.....	1.00000	-	-	-	-	1.00000	-
2.28 Industrial UFT.....	1.00000	-	-	-	1.00000	-	-
2.29 Non-Traditional Revenues.....	1.00000	0.03104	0.69294	0.03733	0.02632	0.18455	0.02781

**TABLE 3**  
**Revenue Credited Transmission Rate Development Costs**  
**(\$000)**

	(A)	(B)	(C)	(D)	(F)	(G)
	Generation Integration/ BPA GenCo	Network	Delivery Utility	Industry	Southern Intertie	Eastern Intertie
<b>FY97</b>						
3. 1 Unadjusted Costs.....	15,295	389,238	21,694	14,309	70,149	12,415
3. 2 Revenue Credits.....	-278	-16,793	-1,384	-13,163	-7,352	-8,374
3. 3 Eastern Intertie Adjustment 1/....	132	2,756	150	105	775	-4,041
3. 4 Industrial UFT Adjustment 2/.....		1,251		-1,251		
3. 5 Utility Del. Rate Underrecovery 3/	6,039		-6,039			
3. 6 Network GTA Costs Reassignment....	30,885	-30,885				
3. 7 Total.....	<b>52,073</b>	<b>345,567</b>	<b>14,421</b>	<b>0</b>	<b>63,572</b>	<b>0</b>
<b>FY98</b>						
3. 8 Unadjusted Costs.....	15,049	392,138	21,707	14,310	70,599	12,087
3. 9 Revenue Credits.....	-419	-20,082	-1,575	-13,489	-8,231	-11,123
3.10 Eastern Intertie Adjustment 1/....	31	660	36	25	184	-964
3.11 Industrial UFT Adjustment 2/.....		846		-846		
3.12 Utility Del. Rate Underrecovery 3/	6,017		-6,017			
3.13 Network GTA Costs Reassignment....	31,597	-31,597				
3.14 Total.....	<b>52,275</b>	<b>341,965</b>	<b>14,151</b>	<b>0</b>	<b>62,552</b>	<b>0</b>
<b>FY99</b>						
3.15 Unadjusted Costs.....	14,967	401,181	22,196	14,662	71,947	11,922
3.16 Revenue Credits.....	-562	-23,406	-1,775	-13,827	-9,167	-11,270
3.17 Eastern Intertie Adjustment 1/....	20	448	24	17	124	-652
3.18 Industrial UFT Adjustment 2/.....	0	852	0	-852	0	0
3.19 Utility Del. Rate Underrecovery 3/	6,368		-6,368			
3.20 Network GTA Costs Reassignment....	31,156	-31,156				
3.21 Total.....	<b>51,949</b>	<b>347,920</b>	<b>14,077</b>	<b>0</b>	<b>62,904</b>	<b>0</b>
<b>FY00</b>						
3.22 Unadjusted Costs.....	14,915	410,315	22,648	14,999	72,789	11,753
3.23 Revenue Credits.....	-669	-25,941	-1,931	-14,135	-9,881	-11,383
3.24 Eastern Intertie Adjustment 1/....	11	256	14	10	69	-370
3.25 Industrial UFT Adjustment 2/.....	0	874	0	-874	0	0
3.26 Utility Del. Rate Underrecovery 3/	6,462		-6,462			
3.27 Network GTA Costs Reassignment....	32,143	-32,143				
3.28 Total.....	<b>52,862</b>	<b>353,361</b>	<b>14,269</b>	<b>0</b>	<b>62,977</b>	<b>0</b>
<b>FY01</b>						
3.29 Unadjusted Costs.....	14,948	422,129	23,032	15,323	73,590	11,592
3.30 Revenue Credits.....	-680	-26,383	-1,967	-14,363	-9,988	-11,405
3.31 Eastern Intertie Adjustment 1/....	6	131	7	5	34	-187
3.32 Industrial UFT Adjustment 2/.....	0	965	0	-965	0	0
3.33 Utility Del. Rate Underrecovery 3/	6,621		-6,621			
3.34 Network GTA Costs Reassignment....	32,557	-32,557				
3.35 Total.....	<b>53,452</b>	<b>364,285</b>	<b>14,451</b>	<b>0</b>	<b>63,636</b>	<b>0</b>
3.36 Average Revenue Credits.....	-522	-22,521	-1,726	-13,795	-8,924	-10,711
3.37 Five Year Cost Totals.....	<b>262,611</b>	<b>1,753,098</b>	<b>71,369</b>	<b>0</b>	<b>315,641</b>	<b>0</b>

- 1/ Eastern Intertie adjustment (costs-revenues) segmented on Table 1 net plant percentages
- 2/ Industrial UFT Adjustment reflect underrecovery from UFT of Industrial Delivery Segment costs
- 3/ The difference between segment average cost and \$9.00/kW-yr applied to sales over low voltage delivery points. See Table 18 for calculations.

**TABLE 4**  
**Network Transmission Firm Loads**

		(A)	(B)	(C)	(D)	(F)	(G)
	Units 1/	FY97	FY98	FY99	FY00	FY01	5-yr Avg
4. 1	Federal Agencies PF Sales.....	aMW	146	146	147	148	147
4. 2	Non-Scheduling Pubs PF Sales.....	aMW	2,688	2,687	2,605	2,636	2,653
4. 3	Scheduling Publics PF Sales 2/.....	aMW	1,756	1,661	1,884	1,968	1,889
4. 4	Load Shaping 3/.....	MW	3,183	3,110	3,172	3,313	3,219
4. 5	IP Sales.....	MW	1,915	1,915	1,915	1,915	1,915
4. 6	NR Sales.....	MW	0	0	0	0	0
4. 7	SP Contract Sales (PNW).....	12NCDMW	2,324	2,413	2,352	2,328	2,281
4. 8	SP Contract Sales (PSW).....	12NCDMW	481	481	481	481	481
4. 9	Canadian Entitlement Allocation.....	12NCDMW	0	63	447	768	409
4.10	C/E Exchanges (PNW).....	12NCDMW	125	129	130	121	116
4.11	C/E Exchanges (PSW).....	12NCDMW	100	102	98	98	99
4.12	Utility FPT Contracts.....	MW	4,047	4,047	4,047	4,047	4,047
4.13	Industrial FPT Contracts.....	MW	93	93	93	93	93
4.14	Utility IR Contracts.....	MW	6,619	6,859	6,859	6,859	6,811
4.15	Industrial IR Contracts.....	MW	1,119	1,119	1,119	1,119	1,119

1/ POD load amounts exclusive of losses except at 4.12 and 4.14 which include losses

2/ Includes Douglas, Grant, Pend Oreille, Cowlitz, Eugene, Seattle, Tacoma, Snomohish, and Springfield  
Gray's Harbor is treated as a non-scheduler because of its selection of NT

3/ ICD (contract demand) amounts for NT/NTP minus base-rate NT/NTP billing determinants which are either 12CP or 12NCDs.

**TABLE 5**  
**Network Transmission Billing Determinant Factors**  
**(decimals)**

	(A)	(B)	(C)	(D)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
5. 1 Federal Agencies PF Sales 1/ .....	1.388	1.412	1.347	1.396	1.481	1.421	1.383	1.158	1.127	1.085	1.124	1.126
5. 2 Non-Scheduling Pubs PF Sales 1/...	1.388	1.412	1.347	1.396	1.481	1.421	1.383	1.158	1.127	1.085	1.124	1.126
5. 3 Scheduling Publics PF Sales 2/....	1.206	1.144	1.197	1.181	1.269	1.133	1.340	1.408	1.202	0.952	0.958	0.980
5. 4 Load Shaping 3/.....	1.042	1.055	1.066	1.082	1.079	1.052	1.051	1.039	1.034	1.031	1.032	1.031
5. 5 IP Sales.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5. 6 NR Sales 4/.....	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016
5. 7 SP Contract Sales (PNW) 4,5/.....	1.261	1.182	1.140	1.144	1.157	1.215	1.285	1.300	1.305	1.336	1.591	1.612
5. 8 SP Contract Sales (PSW) 4,6/.....	1.075	1.116	1.116	1.116	1.116	1.116	1.116	0.980	1.075	1.075	1.075	1.075
5. 9 Canadian Entitlement Allocation 4/.	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.016
5.10 C/E Exchanges (PNW) 4,5/.....	1.035	1.035	1.053	1.035	1.039	1.035	1.049	1.180	1.173	1.105	1.105	1.105
5.11 C/E Exchanges (PSW) 4,6/.....	1.371	14.870	14.870	14.870	14.870	14.870	14.870	1.432	0.980	0.980	1.136	1.136
5.12 Utility FPT Contracts.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.13 Industrial FPT Contracts.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.14 Utility IR Contracts.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.15 Industrial IR Contracts.....	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

- 1/ Coincidence factors with respect to energy developed from FY91 thru FY94 information.
- 2/ Reciprocal of average monthly load factors between energy and NCDs for the forecast period
- 3/ Reflects 1.6% losses for NT customers on a 1CD basis expressed in terms of the allocation to load shaping
- 4/ 1.6% loss factor, except 4.6% losses for PSW.
- 5/ Relation of monthly NCDs to annual contract demands.
- 6/ Relation of monthly NCDs to annual consolidated demands (all GenCo PSW arrangements under one contract)

**TABLE 6**  
**Network Transmission Billing Determinant Allocators 1/**

	Rate	Units 2/	(A)	(B)	(C)	(D)	(E)	(F)	(G)
			FY97	FY98	FY99	FY00	FY01	5-yr Average	5-yr Percentage
6. 1 Federal Agencies PF Sales.....	NT	12cpMW	188	189	191	192	193	191	0.70%
6. 2 Non-Scheduling Pubs PF Sales.....	NT	12cpMW	3,475	3,482	3,367	3,408	3,423	3,431	12.53%
6. 3 Scheduling Publics PF Sales.....	NTP	12NCDMW	1,942	1,968	2,276	2,346	2,561	2,219	8.11%
6. 4 Load Shaping.....	LS	MW	3,321	3,247	3,313	3,458	3,466	3,361	12.28%
6. 5 IP Sales.....	PTP	1CDMW	1,915	1,915	1,915	1,915	1,915	1,915	7.00%
6. 6 NR Sales.....	PTP	1CDMW	-	-	-	-	-	-	0.00%
6. 7 SP Contract Sales (PNW).....	PTP	1CDMW	3,061	3,081	2,920	3,027	2,479	2,913	10.64%
6. 8 SP Contract Sales (PSW).....	PTP	1CDMW	523	523	522	522	522	522	1.91%
6. 9 Canadian Entitlement Allocation.....	PTP	1CDMW	-	64	454	780	780	416	1.52%
6.10 C/E Exchanges (PNW).....	PTP	1CDMW	134	137	137	137	76	124	0.45%
6.11 C/E Exchanges (PSW).....	PTP	1CDMW	230	228	196	196	196	209	0.76%
6.12 Utility FPT Contracts.....	FPT	1CDMW	4,047	4,047	4,047	4,047	4,047	4,047	14.79%
6.13 Industrial FPT Contracts.....	FPT	1CDMW	93	93	93	93	93	93	0.34%
6.14 Utility IR Contracts.....	IR	1CDMW	6,619	6,859	6,859	6,859	6,859	6,811	24.88%
6.15 Industrial IR Contracts.....	IR	1CDMW	1,119	1,119	1,119	1,119	1,119	1,119	4.09%
6.16 <b>Total</b> .....			<b>26,668</b>	<b>26,953</b>	<b>27,410</b>	<b>28,099</b>	<b>27,730</b>	<b>27,372</b>	<b>100.00%</b>

1/ Amounts in Table 6 represent the loads in Table 4 times the factors in Table 5

2/ Losses megawatts for NT/NTP are included in Load Shaping; amounts for rate classes are inclusive of losses except for determined in the industrial block sale arrangement (6.5, 6.13, and 6.15)



**TABLE 7**  
**Nonfirm Network (ET) Sales and Intertie Rates Billing Determinants 1/**  
**(GWh/Yr, Average of FY97 - FY01, except MW @ TGT)**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Incidence	Source	ET	ISB	ISA	XNB	XNA	TGT
<b>BPA GenCo and TransCo</b>								
(genco)								
<b>Intertie Only</b>								
7. 1	Firm Sales, PSW.....	BPA	Appendix B	2,699				
7. 2	Firm Sales, Canada.....	BPA	Appendix B					
7. 3	Capacity/Energy Exchanges, PSW.....	BPA	Appendix B	220				
7. 4	Canadian Entitlement Return.....	BPA	Columbia River Treaty			1,640		
7. 5	Purchase Power, PSW.....	BPA	NFRAP12P, 141 * 29%		541			
7. 6	Purchase Power, Canada.....	BPA	NFRAP12P, 141 * 23%				429	
7. 7	Purchase Power, East.....	BPA	L/R, Tableau, line 166					32
<b>Nonfirm</b>								
7. 8	NF Sales, PNW.....	BPA	NFRAP12P, 88-157	5,669				
7. 9	NF Sales, PSW.....	BPA	NFRAP12P, 157	14,476	14,476			
7.10	NF Sales, Canada.....	BPA	I/M/B	167			167	
7.11	Storage Deliveries, PNW (Purchase).....	BPA	FY91 - FY95 History	533				
7.12	Storage Deliveries, PSW (Purchase).....	BPA	FY91 - FY95 History	427	427			
7.13	Storage Deliveries, Canada (Purchase).....	BPA	FY91 - FY95 History	2,880			2,880	
7.14	Storage Returns, PNW (Service).....	BPA	FY91 - FY95 History	741				
7.15	Storage Returns, PSW (Service).....	BPA	FY91 - FY95 History	0	0			
7.16	Storage Returns, Canada (Service).....	BPA	FY91 - FY95 History	24			24	
7.17	PNCA Deliveries, Publics.....	BPA	FY91 - FY95 History	343				
7.18	PNCA Deliveries, IOUs.....	BPA	FY91 - FY95 History	3,230				
7.19	Subtotal BPA GenCo.....	BPA	7. 1 thru 7.18	<b>28,491</b>	<b>2,919</b>	<b>15,445</b>	<b>1,640</b>	<b>3,500</b>
<b>BPA TransCo Only</b>								
<b>Firm</b>								
7.20	Transfers from/to Canada x PNW.....	PNW	Appendix A			762		
7.21	Firm Bilaterals from/to Canada x PSW.....	Canadian	Appendix A					
7.22	Firm Bilaterals from/to PNW x PSW.....	PNW	Appendix A	3,101				
<b>Nonfirm</b>								
7.23	Spot Transfers from/to Canada x PNW.....	PNW	FY91 - FY95 History	1,262			1,262	
7.24	Spot Bilaterals from/to Canada x PSW.....	Canadian	FY91 - FY95 History	965	965		965	
7.25	Spot Bilaterals from/to PNW x PSW.....	PNW	History, Except NFP@IS	4,059	2,504			
7.26	Spot Transfers, PNW x PNW.....	PNW	FY91 - FY95 History	1,137				
7.27	Storage Wheeling.....	PNW/seller	FY91 - FY95 History	475	1		1	
7.28	Subtotal Wheeling.....		7.20 thru 7.27	<b>7,898</b>	<b>3,101</b>	<b>3,471</b>	<b>762</b>	<b>2,228</b>
7.29	Billing Determinant: ISA Rate.....		Col(D) + Col(E)		<b>24,936</b>			
<b>Revenue Energy Billing Determinants</b>								
GenCo 2/								
7.30	Nonfirm.....	BPA	FY91 - FY95 History	11,143	12,233		81	
7.31	Storage Purchases.....	BPA	History minus 7.39	657	349		1,680	
7.32	Storage Service.....	BPA	History minus 7.39	133	0		18	
7.33	PNCA, Publics.....	BPA	FY91 - FY95 History	101				
7.34	PNCA, Privates.....	BPA	FY91 - FY95 History	1,015				
7.35	Subtotal GenCo.....	BPA	7.19 - 7.38 - 7.39	<b>13,049</b>	<b>12,582</b>		<b>1,778</b>	
TransCo Only								
7.36	Nonfirm.....	varies	7.28 - 7.40	<b>3,371</b>	<b>3,471</b>		<b>2,228</b>	
7.37	<b>Total Hourly Sales.....</b>		7.35 + 7.36	<b>16,421</b>	<b>16,053</b>		<b>4,006</b>	
<b>Nonfirm Amounts within Annual PTP Demands 2/</b>								
7.38	GenCo deliveries within Demands.....	(BPA)	FY91 - FY95 History	14,530	2,863		1,721	
7.39	Firm Wheeling Concurrent with GenCo Storage Receipts....	(BPA)	FY91 - FY95 History	912	0		0	
7.40	IR Nonfirm.....	(varies)	FY91 - FY95 History	4,527				

1/ Appendix D describes the methodology and assumptions used in modeling amounts above GenCo's transmission demands.

2/ Revenue producing amounts above annual PTP demands ranging from 3,850 to 4,550 MW on the Network (see Table 6); 700 MW on the Southern Intertie; and up to 768 MW on the former Northern Intertie. Amounts above demands are modeled from hourly data; "exclusion within demands" are deduced.

**TABLE 8**  
**Nonfirm Network Energy Transmission (ET) Calculation**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)
	Units	Source	FY97	FY98	FY99	FY00	FY01	Total
8. 1 <b>Network costs</b> .....	(\$000)	Table 1	389,238	392,138	401,181	410,315	422,129	2,015,001
8. 2 PF (NT) Sales.....	GWh	Appendix B	40,202	39,374	40,621	41,680	43,586	205,463
8. 3 IP Sales.....	GWh	Appendix B	16,136	16,136	16,136	16,180	16,136	80,726
8. 4 NR Sales.....	GWh	Appendix B	0	0	0	0	0	0
8. 5 SP Sales, PNW.....	GWh	Appendix B	9,712	9,653	9,079	9,188	8,768	46,400
8. 6 SP Sales, PSW.....	GWh	Appendix B	2,372	2,634	2,864	2,950	2,677	13,496
8. 7 Capacity/Energy Exchanges, PNW.....	GWh	Appendix B	734	769	778	700	391	3,372
8. 8 Capacity/Energy Exchanges, PSW.....	GWh	Appendix B	235	193	137	203	331	1,099
8. 9 NF Sales, PNW.....	GWh	Appendix B	7,476	6,418	5,759	4,654	4,872	29,180
8.10 NF Sales, PSW.....	GWh	Appendix B	13,118	14,732	14,847	13,991	15,694	72,382
8.11 Canadian Entitlement Allocation.....	GWh	Appendix B	0	220	1,564	2,634	2,616	7,034
8.12 GenCo PNCA and Storage Service 1/..	GWh	Appendix D	4,602	4,339	4,339	4,339	4,075	21,694
8.13 Firm FPT Wheeling.....	GWh	Appendix A	19,789	19,898	19,898	19,898	19,898	99,381
8.14 Firm IR Wheeling.....	GWh	Appendix A	36,406	36,914	36,914	36,914	36,914	184,061
8.15 Nonfirm Network Wheeling.....	GWh	Table 7.36(C)	4,806	6,145	7,399	9,455	6,864	34,670
8.16 <b>Total Transmission Energy</b> .....	GWh	8.2 thru 8.15	155,588	157,426	160,333	162,786	162,823	798,957
8.17 <b>Network Unit Cost</b> .....	mills/kWh	8.1 / 8.16	2.50	2.49	2.50	2.52	2.59	2.52
8.18 <b>Expected Average Revenue</b> .....	mills/kWh	average revenues used to produce \$1 base-rate						2.2702

1/ Excludes GenCo Storage Uses where BPA is storing in others as already included in load categories

**TABLE 9**  
**Intertie Rate Calculations**  
**IS-96 and IE-96 Rates**

			(A)	(B)	(C)	(D)	(E)	(F)	
	Units	Source	FY97	FY98	FY99	FY00	FY01	5-yr Total	
<b>IS-96</b>									
9. 1	Southern Intertie costs.....	(\$000)	Table 3	63,572	62,552	62,904	62,977	63,636	315,641
9. 2	Total PSW energy.....	GWh	Table 7	21,850	24,985	26,076	26,011	25,760	124,682
9. 3	Unit Cost.....	(mills/kWh)	9.1/9.2	2.91	2.50	2.41	2.42	2.47	2.53
9. 4	Firm Intertie Load Factor....	(%)	1/	67%	67%	69%	71%	71%	69%
9. 5	Annual Demand Charge.....	(\$/kW-yr)	9. 3 * 8.76 * 9. 4	17.19	14.62	14.68	14.98	15.32	15.29
9. 6	Monthly (firm & nonfirm)....	(\$/kW-mo)	9.5 / 12	1.433	1.218	1.223	1.248	1.277	<b>1.274</b>
9. 7	Weekly (firm & nonfirm).....	(\$/kW-wk)	9.5 / 52	0.331	0.281	0.282	0.288	0.295	<b>0.294</b>
9. 8	Daily (firm & nonfirm).....	(\$/kW-day)	9.7 / 5	0.066	0.056	0.056	0.058	0.059	<b>0.059</b>
9. 9	Hourly (nonfirm).....	(mills/kWh)	min. of 9.3 rounded up or 9.8/16*1000	2.91	2.50	2.41	2.42	2.47	<b>2.54</b>
9.10	Average Hourly Revenues.....	(mills/kWh)	assumed	average revenues used to produce FCRTS RR				<b>2.540</b>	
<b>IE-96</b>									
9.11	Eastern Intertie costs.....	(\$000)	Table 1	12,415	12,087	11,922	11,753	11,592	59,769
9.12	Forecast Wheeling of Colstrip	GWh	Appendix A	<b>7,092</b>	<b>7,092</b>	<b>7,092</b>	<b>7,112</b>	<b>7,092</b>	35,480
9.13	IE-96 nonfirm.....	(mills/kWh)	9.11 / 9.12	1.75	1.70	1.68	1.65	1.63	1.68
9.14	MT-96 Annual Demand Charge...	(\$/kW-yr)	2/	14.81	14.81	14.81	14.81	14.81	14.81
9.15	MT-96 Monthly Demand Charge..	(\$/kW-mo)	9.14 / 12	1.234	1.234	1.234	1.234	1.234	<b>1.234</b>
9.16	MT-96 Weekly Demand charge...	(\$/kW-wk)	9.15 / 52	0.285	0.285	0.285	0.285	0.285	<b>0.285</b>
9.17	MT-96 Demand charge.....	Daily	9.16 / 5	0.057	0.057	0.057	0.057	0.057	<b>0.057</b>
9.18	MT-96 Demand charge.....	(mills/kWh)	(9.17/16)*1000	3.56	3.56	3.56	3.56	3.56	<b>3.56</b>

1/ 69% load Factor reflects overall all energies under firm PSW demands including nonfirm amounts show in Table 7.38(E). See Appendicies A and B for firm energy under wheeling (ISB) and power (SP) contracts

2/ Government's annual TGT payment for the Montana Intertie (Garrison to Broadview) over 185.0 MWs

**TABLE 10**  
**Nonfirm Network Revenue Credits**

	(B)	(A)	(C)	(D)	(E)	(F)	(G)	(H)
	Units	Source	FY97	FY98	FY99	FY00	FY01	5-Year Avg
10. 1 BPA GenCo Network Nonfirm Energy...	GWh	7.35(C)	14,096	14,032	13,383	11,316	12,421	13,049
10. 2 TransCo-Only Nonfirm ET Wheeling ..	GWh	7.36(C)	2,801	3,385	3,866	4,362	2,452	3,373
10. 3 Usage subject to ET.....	(\$000)	10. 1 + 10. 2	16,897	17,417	17,249	15,678	14,873	16,423
10. 4 Network Costs.....	(\$000)	Table 3(B)	345,567	341,965	347,920	353,361	364,285	350,620
10. 5 Nonfirm Network (ET) Revenue Credit	(\$000)	8.18(h) * 10.4	38,359	39,540	39,158	35,591	33,764	37,283
10. 6 Firm Network Rate Development Costs	(\$000)	10.5 - 10.6	307,208	302,425	308,761	317,770	330,520	<b>313,337</b>

**TABLE 11**  
**Network Transmission Cost Allocations**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)		
	Units	Source	FY97	FY98	FY99	FY00	FY01	5-yr Average	
<b>Allocators</b>									
11. 1	NT/NTP Contracts..	(12CPMW)	Table 6	5,605	5,639	5,834	5,945	6,177	5,840
11. 2	NT Load Shaping...	(MW)	Table 6	3,321	3,247	3,313	3,458	3,466	3,361
11. 3	PTP Contracts.....	(1CDMW)	Table 6	5,864	5,948	6,144	6,577	5,968	6,100
11. 4	IR Contracts.....	(1CDMW)	Table 6	7,738	7,978	7,978	7,978	7,978	7,930
11. 5	FPT Contracts.....	(1CDMW)	Table 6	4,140	4,140	4,140	4,140	4,140	4,140
11. 6	Total.....			<b>26,668</b>	<b>26,953</b>	<b>27,410</b>	<b>28,099</b>	<b>27,730</b>	<b>27,372</b>
<b>Percentages</b>									
11. 7	NT/NTP Contracts..	(%)	11.1 / 11.6	21.019%	20.922%	21.284%	21.159%	22.276%	21.34%
11. 8	NT Load Shaping...	(%)	11.2 / 11.6	12.451%	12.048%	12.088%	12.307%	12.500%	12.28%
11. 9	PTP Contracts.....	(%)	11.3 / 11.6	21.988%	22.069%	22.416%	23.407%	21.524%	22.29%
11.10	IR Contracts.....	(%)	11.4 / 11.6	29.018%	29.602%	29.108%	28.394%	28.772%	28.97%
11.11	FPT Contracts.....	(%)	11.5 / 11.6	15.524%	15.360%	15.104%	14.733%	14.929%	15.12%
11.12	Total.....			<b>100.000%</b>	<b>100.000%</b>	<b>100.000%</b>	<b>100.000%</b>	<b>100.000%</b>	<b>100.00%</b>
<b>Cost Allocations</b>									
11.13	NT/NTP Contracts..	(\$000)	11.7 * 10.7	64,572	63,273	65,717	67,236	73,627	334,425
11.14	NT Load Shaping...	(\$000)	11.8 * 10.7	38,252	36,436	37,322	39,109	41,314	192,433
11.15	PTP Contracts.....	(\$000)	11.9 * 10.7	67,548	66,741	69,213	74,380	71,140	349,022
11.16	IR Contracts.....	(\$000)	11.10 * 10.7	89,145	89,523	89,875	90,228	95,096	453,866
11.17	FPT Contracts.....	(\$000)	11.11 * 10.7	47,691	46,452	46,634	46,818	49,344	236,938
11.18	Total.....			<b>307,208</b>	<b>302,425</b>	<b>308,761</b>	<b>317,770</b>	<b>330,520</b>	<b>1,566,684</b>

**TABLE 12**  
**Calculation of Firm Network Base, NT Load Shaping, and**  
**FERC Proforma Network Rates**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
	Units	Source	FY97	FY98	FY99	FY00	FY01	5-yr	Total
<b>FPT Revenue Deficiency Calculation</b>									
12. 1 Network Costs Allocated to FPT.....	(\$000)	11.17	47,691	46,452	46,634	46,818	49,344	236,938	
12. 2 FPT Target Revenues.....	(\$000)	Table 17(E) * 1.132	35,384	35,384	35,384	35,384	35,384	176,918	
12. 3 FPT Revenue Deficiency.....	(\$000)	12.1-12.2	12,307	11,068	11,251	11,434	13,960	60,021	
<b>Base Rate Calculation</b>									
12. 4 Allocated Costs.....	(\$000)	11.13 + 11.15 + 11.16 [(11.7+11.9+11.10) / (11.12- 11.11)] * 12.3	221,266	219,537	224,804	231,843	239,862	1,137,313	
12. 5 Allocated FPT Revenue Deficiency.....	(\$000)		10,493	9,493	9,649	9,784	11,909	51,328	
12. 6 Rate Development Costs.....	(\$000)	12.4 + 12.5	231,759	229,030	234,453	241,627	251,771	1,188,640	
12. 7 Billing Determinants 1/.....	(MW-yrs)	11.1 + 11.3 + 11.4	19,141	19,501	19,891	20,436	20,059	99,028	
12. 8 Base Rate.....	(\$/kW-yr)	12.6 / 12.7	<b>12.11</b>	<b>11.74</b>	<b>11.79</b>	<b>11.82</b>	<b>12.55</b>	<b>12.00</b>	
12. 9 Monthly.....	(\$/kW-mo)	12.8 / 12	1.009	0.978	0.983	0.985	1.046	1.000	
<b>Transmission Load Shaping Charge</b>									
12.10 Allocated Costs.....	(\$000)	11.14	38,252	36,436	37,322	39,109	41,314	192,433	
12.11 Allocated FPT Revenue Deficiency.....	(\$000)	12.3 - 12.5	1,814	1,576	1,602	1,650	2,051	8,693	
12.12 Rate Development Costs.....	(\$000)	12.10 + 12.11	40,066	38,012	38,924	40,759	43,365	201,126	
12.13 Billing Determinant.....	12CPMW	Appendix B	6,013	5,998	6,191	6,330	6,558	31,090	
12.14 Load Shaping Rate.....	(\$/kW-yr)	12.12 / 12.13	<b>6.36</b>	<b>6.34</b>	<b>6.29</b>	<b>6.44</b>	<b>6.61</b>	<b>6.47</b>	
12.15 Monthly.....	(\$/kW-mo)	12.14 / 12	0.530	0.528	0.524	0.537	0.551	0.539	
12.16 Monthly NT w/Load Shaping	(\$/kW-mo)	12.9 + 12.15	1.539	1.506	1.507	1.522	1.597	1.539	
<b>Network Proforma Rates</b>									
12.17 Annual.....	(\$/kW-yr)	12.8	<b>12.11</b>	<b>11.74</b>	<b>11.79</b>	<b>11.82</b>	<b>12.55</b>	<b>12.00</b>	
12.18 Monthly (firm & nonfirm cap).....	(\$/kW-mo)	12.17 / 12	1.009	0.978	0.983	0.985	1.046	1.000	
12.19 Weekly (firm & nonfirm cap).....	(\$/kW-wk)	12.17 / 52	0.233	0.226	0.227	0.227	0.241	0.231	
12.20 Daily (firm & nonfirm cap).....	(\$/kW-day)	12.19 / 5	0.047	0.045	0.045	0.045	0.048	0.046	
12.21 Hourly (firm & nonfirm cap).....	(mills/kWh)	min(8.17,12.20/16*1000)	2.50	2.49	2.50	2.52	2.59	2.52	

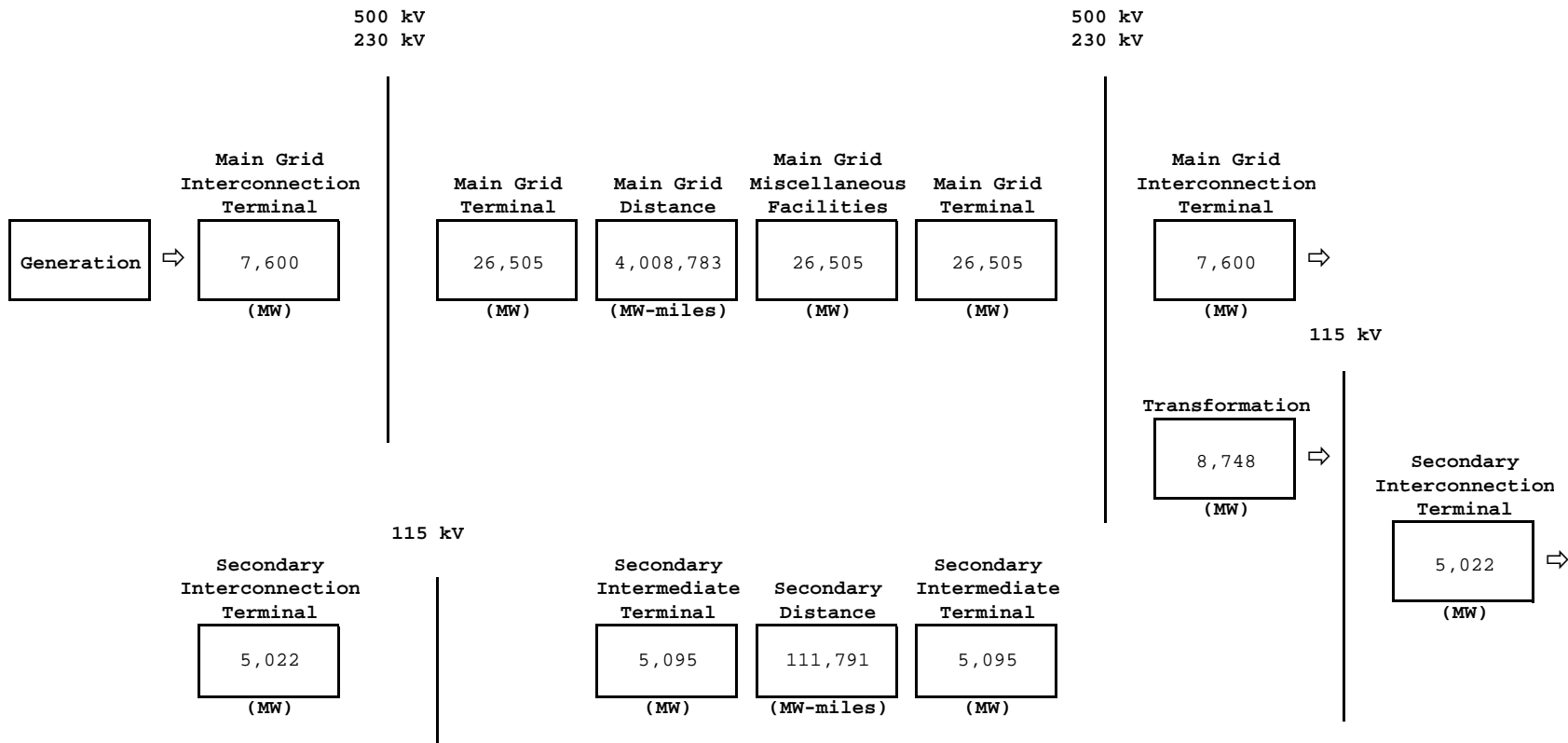
1/ Excludes 65MW of effective Short Distance Discount (SDD) reflective of current IR arrangements

**TABLE 13**  
**Subsegmented Network Costs**  
**Average for FY97 through FY01**  
**(\$000/yr, except \$000 @ Plant)**

	(A)	(B)	(C)	(D)	(F)	(G)	(H)
	Net Plant	General Plant	Total Plant	Annual Cost	BPA NOR	ET Rev. Credits /1	Average/ Total
<b>500 kV System</b>							
13. 1 Lines.....	550,568	109,698	660,266	34,317	44,985	(11,129)	68,173
13. 2 Lines Reactor & Reactive.....	74,870	15,014	89,884	10,510	6,116	(1,515)	15,111
13. 3 Subtotal.....	625,438	124,712	750,150	44,826	51,102	(12,645)	83,283
13. 4 Terminals.....	35,376	7,098	42,474	5,134	2,890	(858)	7,166
13. 5 CORPS & USBR.....	34,422	2,340	36,762	2,225	2,508	(742)	3,990
13. 6 Switching.....	116,124	23,309	139,433	16,434	9,487	(4,661)	21,260
13. 7 500/230 kV Transformation.....	112,963	22,523	135,486	18,493	9,229	(4,530)	23,193
<b>230-345 kV System</b>							
13. 8 Lines.....	241,937	48,233	290,170	25,795	19,767	(4,891)	40,671
13. 9 Lines Reactor & Reactive.....	76,647	15,539	92,186	12,228	6,259	(1,554)	16,933
13.10 Subtotal.....	318,584	63,772	382,356	38,022	26,026	(6,445)	57,604
13.11 Terminals.....	37,474	7,602	45,076	5,773	3,060	(910)	7,923
13.12 CORPS & USBR.....	24,095	1,638	25,733	1,558	1,755	(520)	2,793
13.13 Switching.....	42,035	8,453	50,488	6,810	3,433	(1,688)	8,556
13.14 Direct Delivery.....	13,122	2,609	15,731	2,395	1,072	(703)	2,764
13.15 230/115 kV Transformation.....	139,984	27,988	167,972	23,700	11,436	(2,157)	32,979
<b>Secondary System</b>							
13.16 Lines.....	126,623	25,321	151,944	18,944	10,345	(443)	28,846
13.17 Lines Reactor & Reactive.....	23,926	4,794	28,720	4,627	1,955	(84)	6,498
13.18 Subtotal.....	150,549	30,115	180,664	23,571	12,299	(526)	35,344
13.19 Terminals.....	56,149	11,292	67,441	9,128	4,586	(264)	13,451
13.20 CORPS & USBR	10,326	702	11,028	668	753	(43)	1,377
13.21 Delivery Terminals	19,838	3,951	23,789	4,110	1,621	(551)	5,179
13.22 115/69 Transformation	11,214	2,229	13,443	2,345	917	(39)	3,223
13.23 Total Network.....	1,747,693	340,333	2,088,026	205,193	142,175	(37,283)	310,085

1/ Revenue credits from ET-96 only. Annual cost and NOR columns total to Table 3 amounts and therefore include all Network revenue credits and rate design adjustments except underrecovery from FPT. Costs of 34.5 kV facilities are, however, excluded in this table. Subsegmented like component's share of unconstrained revenues.

**TABLE 14**  
**FPT Rate Calculations**  
**Power Flow Analysis**  
**January 1997**





**TABLE 15**  
**FPT Constraining Ratio**

	(A)	(B)	(C)
	<u>Units</u>	<u>Source</u>	<u>Average</u>
15. 1 FPT Revenues from Unconstrained Rates	(\$000)	17.48(F)*5	152,822
15. 2 Settlement Target Revenues.....	(\$000)	12. 3	176,918
15. 3 FPT Constraining Ratio.....	decimal	15.2 / 15.1	1.15767

**TABLE 16**  
**Development of the FPT-96 Rate Components**

	(A)	(B)	(C)	(D)	(E)
	Annualized	Table 13(F)	Power	Unconstrained	Final Rate
	Cost	Reference	Flows	Rate	Components
	(\$000)		Table 14	Components	(D) * 15.3(C)
			(MW or MW-mi)	(A) / (C)	1.15767
<b>Main Grid</b>				(\$/kW-yr or \$/kW-mi-yr)	
<b>Terminals</b>					
16. 1	500 kV Terminals.....	7,166	13. 4		
16. 2	500 kV CORPS & USBR.....	3,990	13. 5		
16. 3	230-345 kV Terminals.....	7,923	13.11		
16. 4	230-345 kV CORPS & USBR.....	2,793	13.12		
16. 5	Total /1.....	<b>21,872</b>		<b>26,505</b>	<b>0.41</b>
					<b>0.47</b>
<b>Distance</b>					
16. 6	500 kV Lines.....	68,173	13. 1		
16. 7	500 kV Lines Reactor & Reactive....	15,111	13. 2		
16. 8	230-345 kV Lines.....	40,671	13. 8		
16. 9	230-345 kV Lines Reactor & Reactive	16,933	13. 9		
16.10	Total.....	<b>140,887</b>		<b>4,008,783</b>	<b>0.0351</b>
					<b>0.0406</b>
<b>Miscellaneous Facilities</b>					
16.11	500 kV Switching.....	21,260	13. 6		
16.12	500/230 kV Transformation.....	23,193	13. 7		
16.13	Switching.....	8,556	13.13		
16.14	Total.....	<b>53,008</b>		<b>26,505</b>	<b>2.00</b>
					<b>2.32</b>
<b>Interconnection Terminal.....</b>					
16.15	Direct Delivery.....	<b>2,764</b>	13.14	<b>7,600</b>	<b>0.36</b>
					<b>0.42</b>
<b>Secondary System</b>					
<b>Transformation</b>					
16.16	230/115 kV Transformer.....	<b>32,979</b>	13.15	<b>8,748</b>	<b>3.77</b>
					<b>4.36</b>
<b>Interconnection Terminal</b>					
16.17	Direct Delivery.....	<b>3,223</b>	13.21	<b>5,022</b>	<b>0.64</b>
					<b>0.74</b>
<b>Distance</b>					
16.18	Lines.....	28,846	13.16		
16.19	Lines Reactor & Reactive.....	6,498	13.17		
16.20	115/69 Transformation.....	3,223	13.22		
		<b>38,566</b>		<b>111,791</b>	<b>0.3450</b>
					<b>0.3994</b>
<b>Intermediate Terminals</b>					
16.20	Terminals.....	13,451	13.19		
16.21	CORPS & USBR.....	1,377	13.20		
	Total /1.....	<b>14,828</b>		<b>5,095</b>	<b>1.46</b>
					<b>1.69</b>

**TABLE 17**  
**Revenues from FPT**  
**(\$000/yr)**

		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	
		Transmission	Compensation Factors			Revenues (Avg. per 5 years)			Percent	
		Rate	Unconst-	Unconst-	Unconst-	Current '95	Unconst-	Proposed	Change	
			ained	ained	ained	'95	ained		(G)/(E)	
		(MW)	(\$/kW-yr)	(\$/kW-yr)	(\$/kW-yr)	(\$000/yr)	(\$000/yr)	(\$000/yr)	(%)	
<b>Cowlitz Co PUD</b>										
17.1	Priest Rapids.....	FPT.3	17.0	7.06	8.96	10.39	120	152	177	47%
17.2	Swift.....	FPT.1	77.0	3.51	3.45	4.00	271	266	308	14%
17.3	Wanapum.....	FPT.1	21.0	9.87	9.23	10.67	207	194	224	8%
17.4			<b>115.0</b>				<b>598</b>	<b>612</b>	<b>708</b>	<b>18.4%</b>
<b>Douglas Co PUD</b>										
17.5	Nilles Corner.....	FPT.1	1.8	3.59	4.28	4.95	6	8	9	38%
17.6	Wells.....	FPT.1	4.5	4.97	4.41	5.10	22	20	23	3%
17.7			<b>6.3</b>				<b>29</b>	<b>28</b>	<b>32</b>	<b>10.6%</b>
<b>DSI Segment</b>										
17.8	Intalco.....	FPT.1	92.8	3.20	3.11	3.59	297	288	333	12.0%
<b>Grant Co PUD</b>										
17.9	Priest Rapids/Wanapum	FPT.1	355.9	5.02	4.64	5.36	1,785	1,653	1,909	6.9%
<b>Okanogan Co PUD</b>										
17.10	Wells.....	FPT.1	0.0	10.13	9.32	10.78	0	0	0	N.A.
<b>Pacific Northwest Generating Co</b>										
17.11	Turlock.....	FPT.1	50.0	4.21	4.03	4.66	211	202	233	10.5%
<b>Pacific Power and Light</b>										
17.12	Centralia.....	FPT.3	638.0	3.97	5.24	6.06	2,534	3,346	3,866	53%
17.13	Clark County PUD.....	FPT.1	36.7	8.74	8.14	9.41	320	298	345	8%
17.14	Clatsop.....	FPT.3	7.0	8.39	12.11	14.02	59	85	98	67%
17.15	Colstrip.....	FPT.1	140.0	16.26	15.11	17.50	2,276	2,115	2,449	8%
17.16	Hermiston.....	FPT.1	464.0	11.36	10.54	12.20	5,273	4,889	5,663	7%
17.17	Kalispell.....	FPT.3	10.0	4.30	5.80	6.70	43	58	67	56%
17.18	Libby.....	FPT.3	3.0	13.40	18.83	21.78	40	56	65	62%
17.19	Middlefork.....	FPT.1	3.2	16.85	17.68	20.45	54	57	65	21%
17.20	Midpoint-Medford.....	FPT.1	600.0	12.43	11.51	13.32	7,459	6,905	7,992	7%
17.21	Priest Rapids.....	FPT.1	235.0	2.60	2.59	2.99	612	609	702	15%
17.22	PSW(DC)/PPL.....	FPT.1	200.0	3.65	3.52	4.08	730	703	816	12%
17.23	Swift.....	FPT.1	222.0	3.84	3.76	4.36	852	834	967	13%
17.24	Wanapum.....	FPT.1	269.0	9.64	9.01	10.43	2,592	2,424	2,805	8%
17.25	Widco.....	FPT.1	17.3	6.88	6.55	7.58	119	113	131	10%
17.26			<b>2845.2</b>				<b>22963.8</b>	<b>22492.1</b>	<b>26032.7</b>	<b>13.4%</b>
<b>Pend Oreille Co PUC</b>										
17.27	Bell POI.....	FPT.1	9.0	4.82	4.69	5.44	43	42	49	13%
17.28	Boundary POI.....	FPT.1	32.0	4.97	4.78	5.52	159	153	177	11%
17.29	Box Canyon.....	FPT.1	60.4	8.05	8.44	9.76	486	510	589	21%
17.30			<b>101.4</b>				<b>689</b>	<b>705</b>	<b>815</b>	<b>18.3%</b>
<b>Portland General Electric</b>										
17.31	Boardman Unit 1.....	FPT.1	75.0	4.42	4.32	5.00	331	324	375	13%
17.32	WNP-3.....	FPT.1	53.7	7.96	7.64	8.84	427	410	475	11%
17.33			<b>128.7</b>				<b>758</b>	<b>734</b>	<b>850</b>	<b>12.1%</b>
<b>Puget Sound Power and Light</b>										
17.34	WNP-3.....	FPT.1	32.2	6.52	6.34	7.34	210	204	236	12.7%

**TABLE 17**  
**Revenues from FPT**  
**(\$000/yr)**

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)		
	Transmission	Compensation Factors			Revenues (Avg. per 5 years)			Percent		
	Rate	Unconst-	Unconst-	Unconst-	Unconst-	Unconst-	Change			
	Demand	Current	'95	rained	Proposed	Current	'95	rained	Proposed	(G)/(E)
<b>Tacoma Public Utilities</b>										
17.35	Centralia.....	FPT.1	107.0	4.12	3.95	4.57	440	422	489	11%
17.36	Eltopia.....	FPT.1	1.2	17.17	16.60	19.20	21	20	23	12%
17.37	Main Canal Headworks.	FPT.1	13.0	12.95	11.98	13.86	168	156	180	7%
17.38	PEC 66.....	FPT.1	1.3	18.38	18.04	20.88	24	23	27	14%
17.39	Priest Rapids.....	FPT.3	71.1	5.75	7.36	8.56	409	523	608	49%
17.40	Russell Smith.....	FPT.1	3.1	26.03	27.49	31.81	81	85	99	22%
17.41	Summer Falls.....	FPT.1	48.0	12.95	11.98	13.86	622	575	665	7%
17.42	TCL/CVP + NFP.....	FPT.1	49.3	8.20	7.66	8.86	404	377	437	8%
17.43	Wynoochee.....	FPT.1	12.6	9.64	8.84	10.24	121	111	129	6%
17.44			<u>306.6</u>				<u>2,290</u>	<u>2,293</u>	<u>2,657</u>	<u>16.1%</u>
<b>Wash Public Power Supply</b>										
17.45	Packwood.....	FPT.1	28.9	14.56	14.32	16.56	421	414	479	13.8%
<b>Washington Water Power Co</b>										
17.46	WNP-3.....	FPT.1	26.9	15.78	14.66	16.96	424	394	456	7%
17.47	WWP/NCPA Power Sale..	FPT.1	50.0	11.64	10.90	12.60	582	545	630	8%
17.48			<u>76.9</u>				<u>1,006</u>	<u>939</u>	<u>1,086</u>	<u>7.9%</u>
17.49	Total.....		4,140				31,258	30,564	35,371	13.2%
17.50	Settlement %Increase.						13.2%			

**TABLE 18**  
**Utility Delivery Average Cost Calculation**  
and Underrecovery from \$9.00/kW-yr

			(A)	(B)	(C)	(D)	(E)	(F)	
			FY97	FY98	FY99	FY00	FY01	5 Yr Total	
	Units	Source							
<b>Average Annual Rate</b>									
18. 1	Delivery Segment Costs.....	(\$000)	Table 3	20,460	20,168	20,445	20,731	21,072	102,876
18. 2	Billing Determinant:								
	Power								
18. 3	Federal Agencies.....	(12cpkW)	Appendix C	2,065	2,070	2,090	2,107	2,114	10,446
18. 4	NonScheduling Utilities....	(12cpkW)	Appendix C	1,430,549	1,432,274	1,379,132	1,396,627	1,406,493	7,045,075
18. 5	Scheduling Utilities.....	(12cpkW)	Appendix C	103,001	72,443	115,593	119,209	129,248	539,493
	Wheeling								
18. 6	Federal Agencies.....	(12cpkW)	Appendix C	0	0	0	0	0	1
18. 7	NonScheduling Utilities....	(12cpkW)	Appendix C	23,661	23,682	23,663	23,663	23,660	118,328
18. 8	Scheduling Utilities.....	(12cpkW)	Appendix C	43,099	41,821	43,663	43,820	44,146	216,549
18. 9	Total.....	(12cpkW)		1,602,374	1,572,290	1,564,142	1,585,426	1,605,661	7,929,893
18.10	Average Cost.....	(\$/kW-yr)	18.1*1000/18.9	<b>12.77</b>	<b>12.83</b>	<b>13.07</b>	<b>13.08</b>	<b>13.12</b>	<b>12.97</b>
18.11	Monthly.....	(\$/kW-month)	18.1 / 18.4	1.064	1.069	1.089	1.090	1.094	1.081
<b>Underrecovery</b>									
		<b>(\$/kW-yr)</b>							
18.12	Revenues @	9.00	(\$000)	14,421	14,151	14,077	14,269	14,451	71,369
18.13	Underrecovery	18.1 - 18.12	(\$000)	6,039	6,017	6,368	6,462	6,621	<b>31,507</b>

**Table 19  
Summary of Rate Changes**

	(A)	(B)	(C)	(D)	(E)	(F)	
	Present (1995 Rates)	Sept. Proposal (Initial)	Sept. Proposal (Initial)	Supplemental Proposed	4/19/99 7:24	Percent Change (E)/(A)	
<b>FPT-96.1 (\$/1cdkW-yr)</b>							
	<b>FPT.1</b>	<b>FPT.3</b>					
19. 1	M-G Terminal.....	0.46	0.31	0.54	0.59	0.47	2%
19. 2	M-G Distance (\$/kW-mi-yr).....	0.0386	0.0292	0.0509	0.0480	0.0406	5%
19. 3	M-G Miscellaneous Facilities.....	1.96	1.36	3.10	3.26	2.32	18%
19. 4	M-G Terminal.....	0.46	0.31	0.54	0.59	0.47	2%
19. 5	M-G Interconnection Terminal.....	0.28	0.28	0.47	0.47	0.42	50%
19. 6	S-S Transformation.....	4.26	2.63	5.41	5.79	4.36	2%
19. 7	S-S Interconnection Terminal.....	0.71	0.46	1.25	2.27	0.74	4%
19. 8	S-S Intermediate Terminal.....	1.34	0.87	1.66	1.53	1.69	26%
19. 9	S-S Distance (\$/kW-mi-yr).....	0.2895	0.2039	0.3593	0.4166	0.3994	38%
19.10	S-S Intermediate Terminal.....	1.34	0.87	1.66	1.53	1.69	26%
19.11	Average FPT Revenues.....	7.55		11.91	11.16	8.54	13.2%
<b>IR-96</b>							
19.13	Demand (\$/kW/yr).....	5.29		14.25	13.28	12.00	127%
19.14	monthly (\$/kW-mo).....	0.882		1.188	1.107	1.000	13.4%
19.15	Energy (mills/kWh).....	1.10		zero	0.00	0.00	-100%
<b>NT-96</b>							
19.16	Base Rate (\$/12cpkW-yr).....				13.28	12.00	
19.17	Load Shaping [\$/12cpkW(system)-yr]			6.02	6.67	6.47	
19.18	Total, TransCo serving entire load	N.A.		19.71	19.95	18.47	N.A.
19.19	monthly (\$/kW-mo).....			1.643	1.663	1.539	
<b>PTP-96</b>							
19.20	Demand (\$/12cdW-yr).....	N.A.		16.28			
19.21	Demand (\$/1cdW-yr).....	N.A.		N.A.	13.28	12.00	N.A.
19.22	monthly (\$/kW-mo).....			1.357	1.107	1.000	
<b>Delivery [w/NT-96 and PTP-96]</b>							
19.23	Utility Demand (\$/12cpkW-yr).....	N.A.		13.25	13.18	9.00	N.A.
19.24	monthly (\$/kW-mo).....			1.104	1.098	0.750	
19.25	DSI Demand (12cpkW-yr).....	N.A.		4.43	N.A.	N.A.	N.A.
19.26	monthly (\$/kW-mo).....			0.369			
<b>ISB-96</b>							
19.27	Demand (\$/12cdkW/yr).....	8.81		9.03	19.70	15.29	74%
19.28	monthly (\$/kW-mo).....	0.734		0.753	1.642	1.274	-13%
19.29	Energy (mills/kWh).....	1.76		1.79	0.00	0.00	-100%
<b>INB-96</b>							
19.30	Demand (\$/12cdkW/yr).....	N.A.		1.05	4.92	N.A.	N.A.
19.31	monthly (\$/kW-mo).....			0.088	0.410	N.A.	
19.32	Energy (mills/kWh).....	N.A.		0.24	0.00		
<b>Nonfirm Hourly</b>							
19.33	ET-96 (mills/kWh).....	2.10		2.61	2.40	2.52	20%
19.34	ISA-96 (mills/kWh).....	3.23		3.58	3.01	2.54	-21%
19.35	INA-96 (mills/kWh).....	0.89		0.47	0.78	N.A.	N.A.
19.36	IE-96 (mills/kWh).....	2.12		1.80	1.82	1.68	-21%

**Table 20**  
**Transmission Revenue Summary**  
**(\$000)**

		(A)	(B)	(C)	(D)	(E)	(F)	
		Rate						
Schedule		FY97	FY98	FY99	FY00	FY01	5-Yr Total	
<b>BPA GenCo</b>								
<b>Services</b>								
<b>Priority Firm (PF)</b>								
20. 1	Federal Agencies.....	NT-96	2,260	2,271	2,288	2,301	2,317	11,437
20. 2	Federal Agencies Load Shaping.....	LS-96	1,218	1,224	1,233	1,240	1,249	6,165
20. 3	Federal Agencies Delivery.....	DL-96	19	19	19	19	19	94
20. 4	NonScheduling Utilities.....	NT-96	41,695	41,784	40,407	40,897	41,074	205,857
20. 5	NonScheduling Utilities Load Shaping..	LS-96	22,473	22,521	21,780	22,043	22,139	110,957
20. 6	NonScheduling Utilities Delivery.....	DL-96	12,875	12,890	12,412	12,570	12,658	63,406
20. 7	Scheduling Utilities.....	NTP-96	23,310	23,613	27,310	28,146	30,735	133,114
20. 8	Scheduling Utilities Load Shaping.....	LS-96	15,201	15,048	17,033	17,660	19,028	83,970
20. 9	Scheduling Utilities Delivery.....	DL-96	927	652	1,040	1,073	1,163	4,855
20.10			<b>119,977</b>	<b>120,022</b>	<b>123,523</b>	<b>125,949</b>	<b>130,382</b>	<b>619,855</b>
<b>Industrial Power (IP)</b>								
20.11	IP Transmission.....	PTP-96	22,985	22,985	22,985	22,985	22,985	114,924
20.12	Delivery Charge.....	UFT-96	7,745	7,868	7,993	8,121	8,250	39,978
20.13			<b>30,730</b>	<b>30,853</b>	<b>30,978</b>	<b>31,106</b>	<b>31,235</b>	<b>154,902</b>
<b>New Resource (NR)</b>								
20.14	NR Transmission.....	PTP-96	0	0	0	0	0	0
<b>Surplus Power (SP)</b>								
20.15	SP Contract, PNW.....	PTP-96	36,732	36,966	35,040	36,320	29,748	174,807
20.16	SP Contract, PSW, Network.....	PTP-96	6,280	6,279	6,261	6,261	6,261	31,343
20.17	SP Contract, PSW, Intertie.....	ISB-96	8,001	8,000	7,977	7,977	7,977	39,931
20.18			<b>51,014</b>	<b>51,245</b>	<b>49,278</b>	<b>50,558</b>	<b>43,987</b>	<b>246,081</b>
<b>Capacity/Energy Exchanges</b>								
20.19	C/E Exchanges, PNW.....	PTP-96	1,609	1,646	1,646	1,646	914	7,462
20.20	C/E Exchanges, PSW, Network.....	PTP-96	2,757	2,733	2,349	2,349	2,349	12,539
20.21	C/E Exchanges, PSW, Intertie.....	ISB-96	3,513	3,482	2,993	2,993	2,993	15,974
20.22			<b>7,879</b>	<b>7,861</b>	<b>6,989</b>	<b>6,989</b>	<b>6,257</b>	<b>35,974</b>
<b>Nonfirm (NF)</b>								
20.23	PNW, Network	ET-96	9,732	8,128	7,108	5,246	5,356	35,571
20.24	Canada, Network.....	ET-96	84	147	212	259	313	1,015
20.25	PSW, Network.....	ET-96	17,224	18,994	18,869	16,551	18,263	89,901
20.26	PSW, Intertie.....	ISA-96	27,157	31,850	32,219	30,034	34,100	155,360
20.27			<b>54,196</b>	<b>59,120</b>	<b>58,407</b>	<b>52,091</b>	<b>58,032</b>	<b>281,847</b>
<b>Return of Canadian Entitlement</b>								
20.28	CEA, Network.....	PTP-96	0	768	5,450	9,363	9,363	24,945
<b>Storage Returns (Storage in BPA)</b>								
20.29	PNW Utilities.....	ET-96	348	329	291	224	295	1,488
20.30	Canadian Utilities, Network.....	ET-96	14	11	10	7	7	49
20.31	PSW Utilities, Network.....	ET-96	0	0	0	0	0	0
20.32	PSW Utilities, Intertie.....	ISA-96	0	0	0	0	0	0
20.33			<b>362</b>	<b>340</b>	<b>301</b>	<b>231</b>	<b>302</b>	<b>1,537</b>
<b>Pacific Northwest Coordination Agrmnt</b>								
20.34	GenCo PNCA Deliveries.....	ET-96	3,016	2,646	2,454	2,206	2,348	12,670
<b>Uses [of FCRTS for Production Inputs]</b>								
<b>Direct Assignment</b>								
20.35	Generation-Integration.....		15,149	14,661	14,425	14,257	14,274	72,765
20.36	General Transfer Agreement Costs.....		30,885	31,597	31,156	32,143	32,557	158,338
20.37	Utility Delivery Underrecovery.....		6,039	6,017	6,368	6,462	6,621	31,507
20.38			<b>52,073</b>	<b>52,275</b>	<b>51,949</b>	<b>52,862</b>	<b>53,452</b>	<b>262,611</b>
<b>Extra-Regional Purchase Power</b>								
20.39	PSW, Intertie.....	ISA-96	454	868	1,600	2,005	1,947	6,874
20.40	East, Intertie.....	TGT-96	474	474	474	474	474	2,369
20.41			<b>928</b>	<b>1,342</b>	<b>2,074</b>	<b>2,479</b>	<b>2,421</b>	<b>9,243</b>
<b>Storage Deliveries (BPA Storing in Others)</b>								
20.42	BPA GenCo Storage in PNW.....	ET-96	231	222	200	166	212	1,031
20.43	BPA GenCo Storage in Canada, Network..	ET-96	1,283	1,199	1,078	895	1,106	5,562
20.44	BPA GenCo Storage in PSW, Network.....	ET-96	69	178	160	133	298	838
20.45	BPA GenCo Storage in PSW, Intertie....	ISA-96	355	884	887	881	1,421	4,428
20.46			<b>1,938</b>	<b>2,484</b>	<b>2,325</b>	<b>2,075</b>	<b>3,037</b>	<b>11,859</b>
20.47	<b>SubTotal: BPA GenCo Transmission</b>		<b>322,113</b>	<b>328,956</b>	<b>333,727</b>	<b>335,910</b>	<b>340,816</b>	<b>1,661,521</b>

**Table 20**  
**Transmission Revenue Summary**  
**(\$000)**

		(A)	(B)	(C)	(D)	(E)	(F)	
		Rate						
Rate	Schedule	FY97	FY98	FY99	FY00	FY01	5-Yr Total	
<b>Transmission-Only Services</b>								
<b>Revenue Credits</b>								
20.48	Table 2, Excl. Ind.UFT; E.Purch Pwr...	varies	34,225	41,600	46,481	50,210	50,842	223,358
<b>Firm Transmission</b>								
<b>Formula Power Transmission (FPT)</b>								
20.49	Utility.....	FPT-96	35,038	35,038	35,038	35,038	35,038	175,192
20.50	Industry.....	FPT-96	333	333	333	333	333	1,665
20.51			<u>35,371</u>	<u>35,371</u>	<u>35,371</u>	<u>35,371</u>	<u>35,371</u>	<u>176,857</u>
<b>Integration of Resources (IR)</b>								
20.52	Utility.....	IR-96	78,653	81,533	81,533	81,533	81,533	404,784
20.53	Industry.....	IR-96	13,428	13,428	13,428	13,428	13,428	67,140
20.54			<u>92,081</u>	<u>94,961</u>	<u>94,961</u>	<u>94,961</u>	<u>94,961</u>	<u>471,924</u>
<b>Intertie South</b>								
20.55	Utility.....	ISB-96	9,106	10,109	10,109	10,109	10,109	49,544
<b>Delivery Charge</b>								
20.56	Utility.....	DL-96	601	590	606	607	610	3,014
20.57	Industry.....	UFT-96	4,900	4,978	5,057	5,138	5,220	25,292
20.58			<u>5,501</u>	<u>5,567</u>	<u>5,663</u>	<u>5,745</u>	<u>5,830</u>	<u>28,306</u>
<b>Nonfirm Transmission</b>								
<b>Transfers</b>								
20.59	PNW x PNW.....	ET-96	629	873	1,025	1,363	1,154	5,044
20.60	Canada x PNW, Network.....	ET-96	282	400	441	540	514	2,177
20.61	Canada x PSW, Network.....	ET-96	1,899	2,302	2,642	2,883	1,230	10,956
20.62	Canada x PSW, Intertie.....	ISA-96	2,124	2,575	2,956	3,226	1,376	12,258
20.63	PNW x PSW, Network.....	ET-96	3,017	3,688	4,247	4,694	2,354	17,999
20.64	PNW x PSW, Intertie.....	ISA-96	5,170	6,326	7,251	8,198	4,862	31,806
20.65			<u>13,120</u>	<u>16,164</u>	<u>18,562</u>	<u>20,904</u>	<u>11,491</u>	<u>80,241</u>
<b>Storage</b>								
20.66	Network.....	ET-96	532	423	423	423	314	2,114
	Intertie.....	ISA-96	2	6	6	6	10	28
			<u>533</u>	<u>428</u>	<u>428</u>	<u>428</u>	<u>323</u>	<u>2,142</u>
20.67	<b>SubTotal: Transmission-Only</b>		<b>189,938</b>	<b>204,201</b>	<b>211,576</b>	<b>217,729</b>	<b>208,928</b>	<b>1,032,372</b>
20.68	<b>Total Revenues, Transmission</b>		<b>512,051</b>	<b>533,157</b>	<b>545,303</b>	<b>553,639</b>	<b>549,744</b>	<b>2,693,893</b>
20.69	<b>Total Cost, Transmission</b>	Table 1	<b>523,100</b>	<b>525,890</b>	<b>536,875</b>	<b>547,410</b>	<b>560,614</b>	<b>2,693,889</b>
20.70	<b>Longfall (Shortfall)</b>		<b>-11,049</b>	<b>7,267</b>	<b>8,428</b>	<b>6,229</b>	<b>-10,870</b>	<b>4</b>



**Table 19**  
**Summary of Rate Changes**

	(A)	(B)	(C)	(D)
	Present	1995	Proposed 1996	Percent
<b>FPT-96.1 and FPT-96.3 (\$/kW-yr)</b>				
	<b>FPT.1</b>	<b>FPT.3</b>		
19.1 M-G Distance (\$/kW-mi-yr).....	0.0386	0.0292	0.0406	5%
19.2 M-G Miscellaneous Facilities.....	1.96	1.36	2.32	18%
19.3 M-G Terminal.....	0.46	0.31	0.47	2%
19.4 M-G Interconnection Terminal.....	0.28	0.28	0.42	50%
19.5 S-S Transformation.....	4.26	2.63	4.36	2%
19.6 S-S Interconnection Terminal.....	0.71	0.46	0.74	4%
19.7 S-S Intermediate Terminal.....	1.34	0.87	1.69	26%
19.8 S-S Distance (\$/kW-mi-yr).....	0.2895	0.2039	0.3994	38%
19.9 Overall FPT Rate.....	7.55		8.54	<b>13.2%</b>
<b>IR-96</b>				
19.10 Demand (\$/kW/yr).....	5.29		12.00	
19.11 Energy (mills/kWh).....	1.10		0.00	
19.12 monthly (\$/kW-mo).....	0.882		1.000	<b>13.4%</b>
<b>NT-96</b>				
19.13 Base Rate (\$/kW-yr).....	N.A.		12.00	N.A.
19.14 Load Shaping (\$/kW-yr).....	N.A.		6.47	N.A.
19.15 monthly (\$/kW-mo).....			0.539	
19.16 Total monthly, TransCo serving entire load..			1.539	
<b>NTP-96</b>				
19.17 Base Charge (\$/kW-mo).....	N.A.		1.000	N.A.
19.18 Load Shaping (\$/kW-mo).....	N.A.		0.539	N.A.
19.19 Reserved Capacity Charge (\$/kW-mo).....	N.A.		0.083	N.A.
<b>PTP-96 / RNF-96 nonfirm caps</b>				
19.20 Demand (\$/kW-yr).....	N.A.		12.00	N.A.
19.21 monthly (\$/kW-mo).....			1.000	
19.22 weekly (\$/kW-wk).....			0.231	
19.23 daily (\$/kW-day).....			0.046	
<b>Utility Delivery</b>				
19.24 Demand (\$/kW-yr).....	N.A.		9.00	N.A.
19.25 monthly (\$/kW-mo).....			0.750	
<b>IS-96</b>				
19.26 Demand (\$/kW/yr).....	8.81		15.29	
19.27 Energy (mills/kWh).....	1.76		0.00	
19.28 monthly (\$/kW-mo).....	1.468		1.274	<b>-13%</b>
19.29 weekly (\$/kW-wk).....	N.A.		0.294	N.A.
19.30 daily (\$/kW-day).....	N.A.		0.059	N.A.
<b>MT-96</b>				
19.31 Demand (\$/12cdkW/yr).....	N.A.		14.81	N.A.
19.32 monthly (\$/kW-mo).....			1.234	
19.33 weekly (\$/kW-wk).....			0.285	
19.34 daily (\$/kW-day).....			0.057	
<b>Nonfirm Hourly Rate Cap:</b>				
19.35 ET-96 (mills/kWh).....	2.10		2.52	<b>20%</b>
19.36 IS-96 (mills/kWh).....	3.23		2.54	<b>-21%</b>
19.37 IM-96 (mills/kWh).....	N.A.		3.56	N.A.
19.38 IE-96 (mills/kWh).....	2.12		1.68	<b>-21%</b>

Completed Plant-in-Service	A	B	C	D	E	F	G	H	I	J	K	L
	FCRTS	GEN	UTIL	DELIV	DSI	SOUTH	NORTH	EAST	GENERAL	general	BPA Gen'l	Net Plant
	TOTAL	INTEG	NETWORK	DELIV	DELIV	INTERTIE	INTERTIE	INTERTIE	PLANT	trans.	Total	Transmission
9/30/97												
1. BPA Gross Line Investment	1,956,136	15,028	1,622,087	133	14	200,163	20,820	97,891				
2. BPA Gross Substation Investment	2,042,490	38,055	1,310,843	116,957	84,367	462,599	7,134	22,535				
3. BPA Gross Investment	4,751,114	53,083	2,932,930	117,090	84,381	662,762	27,954	120,426	900,923	752,488	547,687	457,451
4. Total Corp Investment	11,515	7,193	4,322									
5. Total Bureau Investment	150,777	55,564	92,405	2,808					13,011	13,011	1	1
9/30/98												
1. BPA Gross Line Investment	1,976,636	15,028	1,642,287	133	14	200,463	20,820	97,891				
2. BPA Gross Substation Investment	2,113,990	38,055	1,365,943	119,257	86,167	474,899	7,134	22,535				
3. BPA Gross Investment	4,913,947	53,083	3,008,230	119,390	86,181	675,362	27,954	120,426	982,815	823,321	595,903	499,198
4. Total Corp Investment	11,515	7,193	4,322									
5. Total Bureau Investment	150,777	55,564	92,405	2,808					13,011	13,011	1	1
9/30/99												
1. BPA Gross Line Investment	1,997,136	15,028	1,662,587	133	14	200,663	20,820	97,891				
2. BPA Gross Substation Investment	2,183,690	38,055	1,425,743	121,557	88,067	480,599	7,134	22,535				
3. BPA Gross Investment	5,044,662	53,083	3,088,330	121,690	88,081	681,262	27,954	120,426	1,027,517	863,836	636,546	535,146
4. Total Corp Investment	11,515	7,193	4,322									
5. Total Bureau Investment	150,777	55,564	92,405	2,808					13,011	13,011	1	1
9/30/00												
1. BPA Gross Line Investment	2,022,136	15,028	1,687,387	133	14	200,863	20,820	97,891				
2. BPA Gross Substation Investment	2,251,290	38,055	1,483,643	123,757	89,967	486,199	7,134	22,535				
3. BPA Gross Investment	5,247,856	53,083	3,171,030	123,890	89,981	687,062	27,954	120,426	1,154,908	974,430	673,525	568,273
4. Total Corp Investment	11,515	7,193	4,322									
5. Total Bureau Investment	150,777	55,564	92,405	2,808					13,011	13,011	1	1
9/30/01												
1. BPA Gross Line Investment	2,059,136	15,028	1,724,187	133	14	201,063	20,820	97,891				
2. BPA Gross Substation Investment	2,348,690	38,055	1,571,843	125,857	91,767	491,499	7,134	22,535				
3. BPA Gross Investment	5,455,784	53,083	3,296,030	125,990	91,781	692,562	27,954	120,426	1,236,760	1,047,958	702,665	595,397
4. Total Corp Investment	11,515	7,193	4,322									
5. Total Bureau Investment	150,777	55,564	92,405	2,808					13,011	13,011	1	1

FEDERAL COLUMBIA RIVER TRANSMISSION SYSTEM									
PLANT INVESTMENT SUMMARY									
(\$in thousands)									
	A	B	C	D	E	F	G	H	I
	FCRTS	GEN		UTIL	DSI	SOUTH	NORTH	EAST	GENERAL
	TOTAL	INTEG	NETWORK	DELIV	DELIV	INTERTIE	INTERTIE	INTERTIE	PLANT
<b>FY 1997</b>									
1. FCRTS GROSS LINES INVESTMENT	2,027,402	32,795	1,675,583	136	14	200,163	20,820	97,891	
2. FCRTS GROSS SUBSTATION INVESTMENT	2,133,516	83,045	1,354,074	119,762	84,367	462,599	7,134	22,535	
3. TOTAL FCRTS GROSS INVESTMENT	4,926,417	115,840	3,029,657	119,898	84,381	662,762	27,954	120,426	765,499
4. BPA NET TRANSMISSION PLANT	2,815,786	35,639	1,659,230	93,205	66,391	489,471	9,303	77,839	384,708
5. PLANT HELD FOR FUTURE USE	1,705		1,705						
6. NET PLANT LEASED	1		1						
7. CORPS NET TRANSMISSION PLANT	8,668	5,307	3,361						
8. USBR NET TRANSMISSION PLANT	120,370	42,422	68,306	1,628					8,014
9. TOTAL NET TRANSMISSION PLANT	2,946,530	83,368	1,732,603	94,833	66,391	489,471	9,303	77,839	392,722
<b>FY 1998</b>									
1. FCRTS GROSS LINES INVESTMENT	2,047,212	32,795	1,695,093	136	14	200,463	20,820	97,891	
2. FCRTS GROSS SUBSTATION INVESTMENT	2,205,706	83,045	1,409,864	122,062	86,167	474,899	7,134	22,535	
3. TOTAL FCRTS GROSS INVESTMENT	5,089,250	115,840	3,104,957	122,198	86,181	675,362	27,954	120,426	836,332
4. BPA NET TRANSMISSION PLANT	2,880,225	34,516	1,674,353	93,701	66,911	489,452	8,547	74,434	438,311
5. PLANT HELD FOR FUTURE USE	1,705		1,705						
6. NET PLANT LEASED	0		0						
7. CORPS NET TRANSMISSION PLANT	8,515	5,209	3,306						
8. USBR NET TRANSMISSION PLANT	117,974	41,584	66,949	1,586					7,855
9. TOTAL NET TRANSMISSION PLANT	3,008,419	81,309	1,746,313	95,287	66,911	489,452	8,547	74,434	446,166
<b>FY 1999</b>									
1. FCRTS GROSS LINES INVESTMENT	2,066,978	32,795	1,714,659	136	14	200,663	20,820	97,891	
2. FCRTS GROSS SUBSTATION INVESTMENT	2,276,140	83,045	1,470,398	124,362	88,067	480,599	7,134	22,535	
3. TOTAL FCRTS GROSS INVESTMENT	5,219,965	115,840	3,185,057	124,498	88,081	681,262	27,954	120,426	876,847
4. BPA NET TRANSMISSION PLANT	2,928,819	33,393	1,678,301	93,905	67,248	484,325	7,791	71,029	492,827
5. PLANT HELD FOR FUTURE USE	1,705		1,705						
6. NET PLANT LEASED	0		0						
7. CORPS NET TRANSMISSION PLANT	8,362	5,111	3,251						
8. USBR NET TRANSMISSION PLANT	115,578	40,746	65,592	1,544					7,696
9. TOTAL NET TRANSMISSION PLANT	3,054,464	79,250	1,748,849	95,449	67,248	484,325	7,791	71,029	500,523
<b>FY 2000</b>									
1. FCRTS GROSS LINES INVESTMENT	2,091,377	32,795	1,738,858	136	14	200,863	20,820	97,891	
2. FCRTS GROSS SUBSTATION INVESTMENT	2,344,341	83,045	1,528,899	126,562	89,967	486,199	7,134	22,535	
3. TOTAL FCRTS GROSS INVESTMENT	5,423,159	115,840	3,267,757	126,698	89,981	687,062	27,954	120,426	987,441
4. BPA NET TRANSMISSION PLANT	2,968,132	32,270	1,684,281	94,019	67,601	475,662	7,035	67,624	539,640
5. PLANT HELD FOR FUTURE USE	1,705		1,705						
6. NET PLANT LEASED	0		0						
7. CORPS NET TRANSMISSION PLANT	8,209	5,013	3,196						
8. USBR NET TRANSMISSION PLANT	113,182	39,908	64,235	1,502					7,537
9. TOTAL NET TRANSMISSION PLANT	3,091,228	77,191	1,753,417	95,521	67,601	475,662	7,035	67,624	547,177
<b>FY 2001</b>									
1. FCRTS GROSS LINES INVESTMENT	2,127,505	32,795	1,774,786	136	14	201,063	20,820	97,891	
2. FCRTS GROSS SUBSTATION INVESTMENT	266,483	38,066	38,067	38,068	38,069	38,070	38,071	38,072	
3. TOTAL FCRTS GROSS INVESTMENT	3,454,956	70,861	1,812,853	38,204	38,083	239,133	58,891	135,963	1,060,969
4. BPA NET TRANSMISSION PLANT	3,017,105	31,147	1,710,745	93,994	67,872	466,696	6,279	64,219	576,153
5. PLANT HELD FOR FUTURE USE	1,705		1,705						
6. NET PLANT LEASED	0		0						
7. CORPS NET TRANSMISSION PLANT	8,056	4,915	3,141						
8. USBR NET TRANSMISSION PLANT	110,786	39,070	62,878	1,460					7,378
9. TOTAL NET TRANSMISSION PLANT	3,137,652	75,132	1,778,469	95,454	67,872	466,696	6,279	64,219	583,531

from print out, 6/3/96, excludes Northern Intertie; Wheeling Budget not included							
<b>FY 1997</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>G</b>	<b>H</b>	<b>D</b>	<b>F</b>
	<b>TOTAL</b>	<b>GENER</b>	<b>NETWORK</b>	<b>UTIL</b>	<b>DSI</b>	<b>SOUTH</b>	<b>EAST</b>
	-----	-----	-----	-----	-----	-----	-----
1. OPERATION							
1a. TSD R&D	3,493		3,493				
1b. Transmission System	57,476	1,381	39,777	3,762	2,788	9,259	509
1c. Corp	126	91	35				
1d. Bureau	1,557	662	875	20			
2. MAINTENANCE	90,144	3,433	66,500	4,451	3,260	11,653	847
4. FEDERAL PROJECTS DEPRECIATION	118,996	2,388	90,603	2,564	1,812	17,408	4,221
5. NET INTEREST EXPENSE	178,250	5,861	128,047	6,985	4,897	26,719	5,741
6. PLANNED NET REVENUES	34,058	1,120	24,465	1,335	936	5,105	1,097
<b>FY 1998</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>G</b>	<b>H</b>	<b>D</b>	<b>F</b>
	<b>TOTAL</b>	<b>GENER</b>	<b>NETWORK</b>	<b>UTIL</b>	<b>DSI</b>	<b>SOUTH</b>	<b>EAST</b>
	-----	-----	-----	-----	-----	-----	-----
1. OPERATION							
1a. TSD R&D	3,531	0	3,531	0	0	0	0
1b. Transmission System	57,054	1,371	39,485	3,734	2,768	9,191	505
1c. Corp	127	92	35	0	0	0	0
1d. Bureau	1,610	689	901	21	0	0	0
2. MAINTENANCE	89,471	3,481	65,963	4,412	3,230	11,545	839
4. FEDERAL PROJECTS DEPRECIATION	124,137	2,417	94,758	2,672	1,894	18,088	4,308
5. NET INTEREST EXPENSE	177,149	5,595	127,499	6,940	4,881	26,805	5,429
6. PLANNED NET REVENUES	32,811	1,036	23,615	1,285	904	4,965	1,006
<b>FY 1999</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>G</b>	<b>H</b>	<b>D</b>	<b>F</b>
	<b>TOTAL</b>	<b>GENER</b>	<b>NETWORK</b>	<b>UTIL</b>	<b>DSI</b>	<b>SOUTH</b>	<b>EAST</b>
	-----	-----	-----	-----	-----	-----	-----
1. OPERATION							
1a. TSD R&D	3,660		3,660				
1b. Transmission System	59,111	1,420	40,909	3,869	2,868	9,522	523
1c. Corp	129	94	35				
1d. Bureau	1,639	690	928	21			
2. MAINTENANCE	93,223	3,561	68,774	4,602	3,369	12,042	875
4. FEDERAL PROJECTS DEPRECIATION	129,099	2,447	98,816	2,779	1,977	18,681	4,399
5. NET INTEREST EXPENSE	175,808	5,364	126,842	6,911	4,878	26,661	5,152
6. PLANNED NET REVENUES	33,206	1,013	23,958	1,305	921	5,036	973

<b>FY 2000</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>G</b>	<b>H</b>	<b>D</b>	<b>F</b>
	<b>TOTAL</b>	<b>GENER</b>	<b>NETWORK</b>	<b>UTIL</b>	<b>DSI</b>	<b>SOUTH</b>	<b>EAST</b>
	-----	-----	-----	-----	-----	-----	-----
1. OPERATION							
1a. TSD R&D	3,967		3,967				
1b. Transmission System	60,929	1,464	42,167	3,988	2,965	9,815	539
1c. Corp	132	96	35				
1d. Bureau	1,675	698	955	22			
2. MAINTENANCE	96,486	3,649	71,208	4,766	3,488	12,470	906
4. FEDERAL PROJECTS DEPRECIATION	133,971	2,474	102,904	2,883	2,057	19,171	4,482
5. NET INTEREST EXPENSE	174,807	5,160	126,676	6,895	4,889	26,297	4,890
6. PLANNED NET REVENUES	33,443	987	24,235	1,319	935	5,031	936
<b>FY 2001</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>G</b>	<b>H</b>	<b>D</b>	<b>F</b>
	<b>TOTAL</b>	<b>GENER</b>	<b>NETWORK</b>	<b>UTIL</b>	<b>DSI</b>	<b>SOUTH</b>	<b>EAST</b>
	-----	-----	-----	-----	-----	-----	-----
1. OPERATION							
1a. TSD R&D	4,139		4,139				
1b. Transmission System	62,447	1,501	43,217	4,087	3,030	10,060	552
1c. Corp	136	99	37				
1d. Bureau	1,727	719	985	23			
2. MAINTENANCE	99,756	3,765	73,625	4,927	3,607	12,895	937
4. FEDERAL PROJECTS DEPRECIATION	138,988	2,495	107,273	2,973	2,129	19,574	4,544
5. NET INTEREST EXPENSE	181,034	5,139	132,243	7,095	5,055	26,719	4,783
6. PLANNED NET REVENUES	29,387	834	21,467	1,152	821	4,337	776

## wbudget

		Total	G-I	Network	Udelivery	Idelivery	STie	NTie	ETie
FY97	Wheeling Budget	\$ 39,000	\$ 359			\$ 616	\$ 5	\$ -	\$ -
	GTAs	\$ 33,518		\$ 30,885	\$ 2,577	\$ 56			
	O&M, other Leases	\$ 5,482	\$ 359	\$ 4,558		\$ 560	\$ 5		
FY98	Wheeling Budget	\$ 40,000	\$ 368			\$ 633	\$ 5	\$ -	\$ -
	GTAs	\$ 34,298		\$ 31,597	\$ 2,643	\$ 58			
	O&M, other Leases	\$ 5,702	\$ 368	\$ 4,754	\$ -	\$ 575	\$ 5	\$ -	\$ -
FY99	Wheeling Budget	\$ 41,000	\$ 378			\$ 649	\$ 5	\$ -	\$ -
	GTAs	\$ 33,924		\$ 31,156	\$ 2,709	\$ 59			
	O&M, other Leases	\$ 7,076	\$ 378	\$ 6,103		\$ 590	\$ 5		
FY00	Wheeling Budget	\$ 42,000	\$ 387			\$ 665	\$ 5	\$ -	\$ -
	GTAs	\$ 34,979		\$ 32,143	\$ 2,775	\$ 61			
	O&M, other Leases	\$ 7,021	\$ 387	\$ 6,025		\$ 604	\$ 5		
FY01	Wheeling Budget	\$ 43,000	\$ 396			\$ 681	\$ 5	\$ -	\$ -
	GTAs	\$ 35,393		\$ 32,557	\$ 2,775	\$ 61			
	O&M, other Leases	\$ 7,607	\$ 396	\$ 6,586		\$ 620	\$ 5		

					Oct-96	Nov-96	Dec-96	Jan-97
A	FPT.1	MW	FIRM	PACIFIC POWER AND LIGHT	2187.2	2187.2	2187.2	2187.2
A	FPT.1	MW	FIRM	PORTLAND GENERAL ELECTRIC	128.7	128.7	128.7	128.7
A	FPT.1	MW	FIRM	PUGET SOUND POWER & LIGHT	32.2	32.2	32.2	32.2
A	FPT.1	MW	FIRM	WASHINGTON WATER POWER	76.9	76.9	76.9	76.9
A	FPT.1	MW	FIRM	TACOMA CITY LIGHT	222.9	222.9	222.9	222.9
A	FPT.1	MW	FIRM	WASH. PUBLIC POWER SUPPLY SYS.	28.9	28.9	28.9	28.9
A	FPT.1	MW	FIRM	COWLITZ COUNTY P.U.D.	98.0	98.0	98.0	98.0
A	FPT.1	MW	FIRM	DOUGLAS COUNTY P.U.D.	6.3	6.3	6.3	6.3
A	FPT.1	MW	FIRM	GRANT COUNTY P.U.D.	355.9	355.9	355.9	355.9
A	FPT.1	MW	FIRM	OKANOGAN COUNTY P.U.D.	0.0	0.0	0.0	0.0
A	FPT.1	MW	FIRM	PEND OREILLE COUNTY P.U.D.	101.4	101.4	101.4	101.4
A	FPT.1	MW	FIRM	PACIFIC NW GENERATING CO.	50.0	50.0	50.0	50.0
A	FPT.1	MW	FIRM	DIRECT SERVICE IND. SEGMENT	116.0	116.0	116.0	116.0
B	FPT.3	MW	FIRM	PACIFIC POWER AND LIGHT	658.0	658.0	658.0	658.0
B	FPT.3	MW	FIRM	TACOMA CITY LIGHT	83.7	83.7	83.7	83.7
B	FPT.3	MW	FIRM	COWLITZ COUNTY P.U.D.	17.0	17.0	17.0	17.0
				subtotal utility	116.0	116.0	116.0	116.0
				subtotal industry	4047.1	4047.1	4047.1	4047.1
C	IR	MW	FIRM	IDAHO POWER COMPANY	61.0	61.0	61.0	61.0
C	IR	MW	FIRM	MONTANA POWER COMPANY	110.0	110.0	110.0	110.0
C	IR	MW	FIRM	PORTLAND GENERAL ELECTRIC	1983.0	1983.0	1983.0	1983.0
C	IR	MW	FIRM	PUGET SOUND POWER & LIGHT	2196.9	2196.9	2196.9	2196.9
C	IR	MW	FIRM	WASHINGTON WATER POWER	277.0	277.0	277.0	277.0
C	IR	MW	FIRM	EUGENE WATER & ELECTRIC BOARD	125.0	125.0	125.0	125.0
C	IR	MW	FIRM	CITY OF FOREST GROVE	8.3	8.3	8.3	8.3
C	IR	MW	FIRM	CITY OF MCMINNVILLE	8.3	8.3	8.3	8.3
C	IR	MW	FIRM	CITY OF MILTON-FREEWATER	8.3	8.3	8.3	8.3
C	IR	MW	FIRM	SEATTLE CITY LIGHT	1592.0	1592.0	1592.0	1592.0
C	IR	MW	FIRM	SPRINGFIELD, CITY OF	50.0	50.0	50.0	50.0
C	IR	MW	FIRM	COWLITZ COUNTY P.U.D.	45.0	45.0	45.0	45.0
C	IR	MW	FIRM	KITTITAS COUNTY P.U.D.	3.6	3.6	3.6	3.6
C	IR	MW	FIRM	SNOHOMISH COUNTY P.U.D.	151.0	151.0	151.0	151.0
C	IR	MW	FIRM	DIRECT SERVICE IND. SEGMENT	1119.0	1119.0	1119.0	1119.0
				subtotal utility	1119.0	1119.0	1119.0	1119.0
				subtotal industry	6619.4	6619.4	6619.4	6619.4
D	IRSDD	MW	FIRM	PORTLAND GENERAL ELECTRIC	-51.5	-51.5	-51.5	-51.5
D	IRSDD	MW	FIRM	PUGET SOUND POWER & LIGHT	-48.0	-48.0	-48.0	-48.0
D	IRSDD	MW	FIRM	EUGENE WATER & ELECTRIC BOARD	-31.5	-31.5	-31.5	-31.5
D	IRSDD	MW	FIRM	SPRINGFIELD, CITY OF	0.0	0.0	0.0	0.0
D	IRSDD	MW	FIRM	KITTITAS COUNTY P.U.D.	-1.0	-1.0	-1.0	-1.0
D	IRSDD	MW	FIRM	DIRECT SERVICE IND. SEGMENT	0.0	0.0	0.0	0.0
				subtotal rate	-66.0	-66.0	-66.0	-66.0
E	IR	GWH	FIRM	IDAHO POWER COMPANY	15.3	13.4	13.5	19.3
E	IR	GWH	FIRM	MONTANA POWER COMPANY	52.8	73.4	75.9	74.4
E	IR	GWH	FIRM	PORTLAND GENERAL ELECTRIC	654.9	649.1	754.4	605.2
E	IR	GWH	FIRM	PUGET SOUND POWER & LIGHT	756.7	885.7	887.4	1027
E	IR	GWH	FIRM	WASHINGTON WATER POWER	120.9	124.5	132.7	169.1
E	IR	GWH	FIRM	EUGENE WATER & ELECTRIC BOARD	25.7	36.6	38.9	38.9

ploads

Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Oct-97	Nov-97
2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2
128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
116.0	116.0	116.0	23.2	23.2	23.2	116.0	116.0	116.0	116.0
658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0
83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
116.0	116.0	116.0	23.2	23.2	23.2	116.0	116.0	116.0	116.0
4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1
61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	1983.0	2223.0	2223.0
2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9
277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0
125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0
1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
6619.4	6619.4	6619.4	6619.4	6619.4	6619.4	6619.4	6619.4	6859.4	6859.4
-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5
-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0
-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0
14.6	12.3	8.7	5.2	14.1	19.1	14.9	16.4	15.7	13.8
71	36.5	41	61.8	64.8	75.1	72.9	61.9	52.8	73.4
618.8	683.6	626	537.8	519.8	607.5	684.4	632.8	699.5	690.9
910.5	758.5	710.5	687.2	674.5	812.3	888.3	802.2	756	884.8
137.4	79.2	71.5	3.7	24	119.4	99.2	85.3	87.8	120.5
35.6	39.4	38.9	43.1	36.3	36.3	25	23.4	25.7	36.6



Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98
2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2	2187.2
128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7	128.7
32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9	222.9
28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9	355.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4	101.4
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
116.0	116.0	116.0	116.0	116.0	23.2	23.2	23.2	116.0	116.0
658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0	658.0
83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
116.0	116.0	116.0	116.0	116.0	23.2	23.2	23.2	116.0	116.0
4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1	4047.1
61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0	110.0
2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0	2223.0
2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9	2196.9
277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0
125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0	125.0
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0	1592.0
50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0	151.0
1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0	1119.0
6859.4	6859.4	6859.4	6859.4	6859.4	6859.4	6859.4	6859.4	6859.4	6859.4
-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5	-51.5
-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0	-48.0
-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5	-31.5
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0	-1.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0	-66.0
13.9	19.7	14.5	12.7	9	5.2	14.6	19.6	15.4	16.7
75.9	74.4	68.5	36.5	41	61.8	64.8	75.1	72.9	61.9
806.2	650.7	644.1	736.9	631.3	532.1	563.9	653.1	735.9	676.1
886.6	1027	878.5	762.7	714.3	691.2	676.9	815.7	887.8	801.6
144.9	201.5	147.2	96.6	103.9	9.5	35.6	127.7	102.5	83.3
38.9	38.9	34.4	39.4	38.9	43.1	36.3	36.3	25	23.4



					Oct-96	Nov-96	Dec-96	Jan-97
E	IR	GWH	FIRM	CITY OF FOREST GROVE	2.1	2.1	4.8	4.8
E	IR	GWH	FIRM	CITY OF MCMINNVILLE	1.9	1.8	4.5	4.5
E	IR	GWH	FIRM	CITY OF MILTON-FREEWATER	1.9	1.8	4.5	4.5
E	IR	GWH	FIRM	SEATTLE CITY LIGHT	536.4	537	509.7	521.9
E	IR	GWH	FIRM	COWLITZ COUNTY P.U.D.	29.8	28.8	19.3	29.8
E	IR	GWH	FIRM	KITTITAS COUNTY P.U.D.	1.6	1.6	1.6	1.6
E	IR	GWH	FIRM	SNOHOMISH COUNTY P.U.D.	82.4	62.3	71.7	84.4
E	IR	GWH	FIRM	DIRECT SERVICE IND. SEGMENT	732.6	709.0	732.6	732.6
				subtotal rate	3015.0	3127.1	3251.5	3318.0
Z	FPT.1	GWH	FIRM	PACIFIC POWER AND LIGHT	770.2	736.7	861.8	895.5
Z	FPT.3	GWH	FIRM	PACIFIC POWER AND LIGHT	457.9	443.2	457.9	457.9
Z	FPT.1	GWH	FIRM	PORTLAND GENERAL ELECTRIC	0	39	40	40.3
Z	FPT.1	GWH	FIRM	PUGET SOUND POWER & LIGHT	0	23.2	24	24
Z	FPT.1	GWH	FIRM	WASHINGTON WATER POWER	11	30	31	31
Z	FPT.1	GWH	FIRM	TACOMA CITY LIGHT	130.9	98.5	77.4	86.5
Z	FPT.3	GWH	FIRM	TACOMA CITY LIGHT	26	27.3	30.4	35.5
Z	FPT.1	GWH	FIRM	WASH. PUBLIC POWER SUPPLY SYS.	4.5	10.8	6	6
Z	FPT.1	GWH	FIRM	COWLITZ COUNTY P.U.D.	22.8	64.4	53.8	69.3
Z	FPT.3	GWH	FIRM	COWLITZ COUNTY P.U.D.	7.5	9.8	9.2	12
Z	FPT.1	GWH	FIRM	DOUGLAS COUNTY P.U.D.	1.8	2	2.2	2.2
Z	FPT.1	GWH	FIRM	GRANT COUNTY P.U.D.	133.4	133.7	154.9	151.1
Z	FPT.1	GWH	FIRM	PEND OREILLE COUNTY P.U.D.	37.9	39	38.3	38.5
Z	FPT.1	GWH	FIRM	PACIFIC NW GENERATING CO.	31.8	32.6	22.2	23.9
Z	FPT.1	GWH	FIRM	DIRECT SERVICE IND. SEGMENT	82	79.3	82	82
				subtotal rate	1717.7	1769.5	1891.1	1955.7
I	ISBNS	MW	FIRM	IDAHO POWER COMPANY	7.9	7.9	7.9	7.9
I	ISBNS	MW	FIRM	MONTANA POWER COMPANY	108.3	108.3	108.3	108.3
I	ISBNS	MW	FIRM	PACIFIC POWER AND LIGHT	93.0	93.0	93.0	93.0
I	ISBSN	MW	FIRM	PACIFIC POWER AND LIGHT	268.0	268.0	268.0	268.0
I	ISBNS	MW	FIRM	WASHINGTON WATER POWER	73.8	49.2	49.2	49.2
I	ISBNS	MW	FIRM	SEATTLE CITY LIGHT	5.9	0.0	0.0	0.0
I	ISBNS	MW	FIRM	TACOMA CITY LIGHT	32.5	32.5	0.0	0.0
I	ISBNS	MW	FIRM	COWLITZ COUNTY P.U.D.	44.3	44.3	44.3	44.3
				assured delivery demands	633.7	603.2	570.7	570.7
J	ISBNS	GWH	FIRM	IDAHO POWER COMPANY	5.1	5	5.1	5.1
J	ISBNS	GWH	FIRM	MONTANA POWER COMPANY	52	72.3	74.7	73.2
J	ISBNS	GWH	FIRM	PACIFIC POWER AND LIGHT	28.6	27.6	28.6	28.6
J	ISBSN	GWH	FIRM	PACIFIC POWER AND LIGHT	59.6	71.9	103.5	103.5
J	ISBNS	GWH	FIRM	WASHINGTON WATER POWER	18.2	10.5	10.8	10.8
J	ISBNS	GWH	FIRM	SEATTLE CITY LIGHT	4.3	0	0	0
J	ISBNS	GWH	FIRM	TACOMA CITY LIGHT	21.9	14.9	0	0
J	ISBNS	GWH	FIRM	COWLITZ COUNTY P.U.D.	29.3	28.3	19	29.3
				assured delivery energy	219.0	230.5	241.7	250.5
					744	720	744	744

Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97	Oct-97	Nov-97
5.5	5.9	5.7	5.8	5.7	5.9	5.2	1.8	2.1	2.1
5.5	5.9	5.7	5.8	5.7	5.9	5.1	1.6	1.9	1.8
5.5	5.9	5.7	5.9	5.7	5.9	5.1	1.6	1.9	1.8
533	581	615	714.5	722.8	553.6	413.4	462.9	536.4	537
27.8	26.8	22.3	19.3	21.6	21.6	22.3	23.8	29.8	28.8
1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.1	58.6	41.1	13.4	13	46.5	84.2	84.6	83.1	63.1
661.7	732.6	709.0	732.6	709.0	732.6	732.6	709.0	732.6	709.0
<b>3100.5</b>	<b>3027.8</b>	<b>2902.7</b>	<b>2837.7</b>	<b>2818.6</b>	<b>3043.3</b>	<b>3054.2</b>	<b>2908.9</b>	<b>3026.9</b>	<b>3165.2</b>
777.6	827.3	768.2	462	409.3	709.4	717.8	766.6	777.7	743.7
428.3	447.5	422.3	297.5	245.5	409.6	457.9	443.2	457.9	443.2
38.3	40.2	38.7	0	0	5.4	3.8	1.4	0	39
22.4	24	23.2	0	0	0	0	0	0	23.2
29	31	30	1.5	7.2	9.7	3.7	0.7	11	30
91.8	71	77	82.4	94.9	114	123.8	137.9	131.5	99.2
34.9	35.1	36.2	37.6	34.5	35	29.1	19.5	26	27.3
5.6	3.7	3.6	4.5	3.6	6.7	6	4.3	4.5	10.8
52.1	53.5	38.1	44.9	44.3	21.7	13.3	12.3	22.8	64.4
11.2	12	11.6	12	11.6	12	11.3	5.7	7.5	9.8
2.2	2.4	2.3	2.4	2.2	2.2	2	1.7	1.8	2
135.4	122.2	131.8	154.3	168	158	158.2	137.9	133.4	133.7
35.8	38.2	39.3	40.7	37.4	33.9	28.7	30.9	37.9	39
33.5	36.9	30.1	17.3	20.4	22.7	36.8	29.7	31.8	32.6
76.7	82	79.3	0	0	0	82	79.3	82	79.3
<b>1774.8</b>	<b>1827.0</b>	<b>1731.7</b>	<b>1157.1</b>	<b>1078.9</b>	<b>1540.3</b>	<b>1674.4</b>	<b>1671.1</b>	<b>1725.8</b>	<b>1777.2</b>
7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3
93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0
49.2	49.2	49.2	49.2	49.2	49.2	123.0	123.0	73.8	49.2
0.0	0.0	0.0	0.0	5.9	5.9	5.9	5.9	5.9	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5	32.5	32.5
44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
570.7	570.7	570.7	570.7	576.6	576.6	650.4	682.9	633.7	603.2
4.8	5.1	5	5.1	5	5.1	5.1	5	5.1	5
69.9	35.9	40.4	60.8	63.8	74	71.8	60.9	52	72.3
47.3	50.5	49	50.5	27.7	28.6	28.6	27.6	28.6	27.6
103.7	118.2	114.4	103.5	100.2	103.5	74.3	57.7	59.6	71.9
10.1	10.8	10.5	1.5	7.1	9.5	43.9	39.7	18.2	10.5
0	0	0	0	4.2	4.3	4.3	4.2	4.3	0
0	0	0	0	0	0	0	23.4	21.9	14.9
27.4	26.4	22	19	21.3	21.2	22	23.4	29.3	28.3
<b>263.2</b>	<b>246.9</b>	<b>241.3</b>	<b>240.4</b>	<b>229.3</b>	<b>246.2</b>	<b>250.0</b>	<b>241.9</b>	<b>219.0</b>	<b>230.5</b>
<b>672</b>	<b>744</b>	<b>720</b>	<b>744</b>	<b>720</b>	<b>744</b>	<b>744</b>	<b>720</b>	<b>744</b>	<b>720</b>

ploads

Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98
4.8	4.8	5.3	5.9	5.7	5.8	5.7	5.9	5.2	1.8
4.5	4.5	5.3	5.9	5.7	5.8	5.7	5.9	5.1	1.6
4.5	4.5	5.3	5.9	5.7	5.9	5.7	5.9	5.1	1.6
509.7	521.9	514.7	581	615	714.5	722.8	553.6	413.4	462.9
19.3	29.8	26.9	26.8	22.3	19.3	21.6	21.6	22.3	23.8
1.6	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
72.6	85.3	70.5	59.4	41.8	13.4	13	47.1	84.8	85.2
732.6	732.6	661.7	732.6	709.0	732.6	709.0	732.6	732.6	709.0
<b>3316.0</b>	<b>3397.2</b>	<b>3078.4</b>	<b>3103.9</b>	<b>2945.2</b>	<b>2841.8</b>	<b>2877.2</b>	<b>3101.7</b>	<b>3109.6</b>	<b>2950.5</b>
869.6	902.8	757.4	834.9	775.4	468.8	416.1	716.8	724.6	773.4
457.9	457.9	413.6	463.2	436.7	312.8	259.5	425	457.9	443.2
40	40.3	37	40.2	38.7	0	0	5.4	3.8	1.4
24	24	21.6	24	23.2	0	0	0	0	0
31	31	28	31	30	1.5	7.2	9.7	3.7	0.7
78.4	87.4	89.5	71.8	77.9	83.2	95.5	114.7	124.5	138.5
30.4	35.5	33.7	35.1	36.2	37.6	34.5	35	29.1	19.5
6	6	5.4	3.7	3.6	4.5	3.6	6.7	6	4.3
53.8	69.3	50.3	53.5	38.1	44.9	44.3	21.7	13.3	12.3
9.2	12	10.9	12	11.6	12	11.6	12	11.3	5.7
2.2	2.2	2.1	2.4	2.3	2.4	2.2	2.2	2	1.7
154.9	151.1	130.7	122.2	131.8	154.3	168	158	158.2	137.9
38.3	38.5	34.5	38.2	39.3	40.7	37.4	33.9	28.7	30.9
22.2	23.9	32.4	36.9	30.1	17.3	20.4	22.7	36.8	29.7
82	82	74.1	82	79.3	0	0	0	82	79.3
<b>1899.9</b>	<b>1963.9</b>	<b>1721.2</b>	<b>1851.1</b>	<b>1754.2</b>	<b>1180.0</b>	<b>1100.3</b>	<b>1563.8</b>	<b>1681.9</b>	<b>1678.5</b>
7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3	108.3
93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0	268.0
137.8	137.8	137.8	137.8	137.8	137.8	137.8	137.8	162.4	162.4
0.0	0.0	0.0	0.0	0.0	0.0	5.9	5.9	5.9	5.9
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5
44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
659.3	659.3	659.3	659.3	659.3	659.3	665.2	665.2	689.8	722.3
5.1	5.1	4.6	5.1	5	5.1	5	5.1	5.1	5
74.7	73.2	67.5	35.9	40.4	60.8	63.8	74	71.8	60.9
28.6	28.6	45.7	50.5	49	50.5	27.7	28.6	28.6	27.6
103.5	103.5	100.1	118.2	114.4	103.5	100.2	103.5	74.3	57.7
43.8	43.8	39.6	43.8	42.4	34.4	39	42.5	43.9	39.7
0	0	0	0	0	0	4.2	4.3	4.3	4.2
0	0	0	0	0	0	0	0	0	23.4
19	29.3	26.5	26.4	22	19	21.3	21.2	22	23.4
<b>274.7</b>	<b>283.5</b>	<b>284.0</b>	<b>279.9</b>	<b>273.2</b>	<b>273.3</b>	<b>261.2</b>	<b>279.2</b>	<b>250.0</b>	<b>241.9</b>
<b>744</b>	<b>744</b>	<b>672</b>	<b>744</b>	<b>720</b>	<b>744</b>	<b>720</b>	<b>744</b>	<b>744</b>	<b>720</b>

	FY97	FY98	5yragv			
	36405.5	36913.8				
	19789.3	19897.8				
	94.8	94.8	94.8			
	1299.6	1299.6	1299.6			
	1116.0	1116.0	1116.0			
	3216.0	3216.0	3216.0			
	762.6	1550.2	1392.7			
	29.5	29.5	29.5			
	97.5	97.5	97.5			
	531.6	531.6	FY99	FY00	FY01	5yr avg
	595.6	661.3	661.3	661.3	661.3	648.1
	2900.9	3150.4	3150.4	3150.4	3150.4	
	331.2	359.6	359.6	358.7	359.6	353.7

	comment	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97
hours		744	720	744	744	672	744	720	744	720	744
nfrap ppower	@ 141	0	47	140	341	33	3	0	0	0	141
purchase pwr, g	29%	0	9,814	30,206	73,574	6,431	647	0	0	0	30,422
purchase pwr, c	23%	0	7,783	23,957	58,352	5,100	513	0	0	0	24,128
note: GTD stands for "Greater Than Demand"											
NF_PNW	should agree w/NFRAP PNW	833227	260629	297592	257413	53991	212029	743049	932487	1305597	1567366
NF_PSW	should agree w/NFRAP PSW	342973	429830	521530	140606	115914	424812	1016291	1402941	1528841	2457932
NF_CAN	I/M/B for sales to Canada	3720	3600	3720	10415	10079	10415	3720	3384	3720	3600
S_DEL_PNW	genco storing PNW	36733	76250	52288	36733	76249	52289	47108	52756	43276	26685
S_DEL_PSW	genco storing PSW	3142	9721	1254	3142	9721	1254	10516	263	242	4415
S_DEL_CAN	genco storing in Canada	293822	212438	219114	293822	212439	219113	249692	298355	297391	137623
S_RTN_PNW	PNW storing in genco	11989	61667	45886	11989	61667	45887	121150	103494	111191	119528
S_RTN_PSW	PSW storing in genco	0	0	0	0	0	0	0	0	0	0
S_RTN_CAN	Canada storing in genco	0	1672	6062	0	1672	6062	0	3470	13088	0
PNCA_IOU	genco deliveries for PNCA	262570	253312	382347	262570	253312	382347	363476	245508	276015	255506
PNCA_PUB	genco deliveries for PNCA	23917	25420	86828	23917	25420	86828	72684	30377	16162	15795
ETET	nw x nw nonfirm wheeling	8076	6636	17853	26142	32036	25057	21151	20916	21182	24274
ETISET	nw x sw nonfirm wheeling, et portion	72607	64807	122345	214564	263363	157363	160138	55171	70000	61794
ETISIS	nx x sw nonfirm wheeling, is portion	86715	91892	172283	256256	373430	221594	258148	160090	139988	110366
ETINET	can x nw nf whlg, et portion	5423	3209	8038	16946	13233	10888	7546	7319	4599	9876
ETININ	can x nw nf whlg, in portion (all)	29295	30069	70547	91545	124005	95559	67789	63959	40378	64093
ETISIN	can x psw nf whlg, all	56282	38213	82619	166321	155288	106266	101895	3772	33259	34181
S_ETET	nw x nw nongenco storage	14986	25095	34293	14986	25095	34293	23702	20618	15666	10444
S_ETISET	nw x sw nongenco storage, et portion	0	0	0	0	0	0	0	0	0	196
S_ETISIS	nw x sw nongenco storage, is portion	0	0	0	0	0	0	0	0	0	392
S_ETISIN	can x sw storage, all	0	0	0	0	0	0	0	0	0	0
IR_NFRM	network nonfirm under ir demands	55810	93947	197634	180653	453506	277388	293603	344999	221297	196009
NF_GTD_NWK	genco et for nf > ptp demands	485323	252227	290225	91446	32214	198099	965177	1413148	1862248	2966334
NF_GTD_PSW	genco is for nf > isb demands	150908	246448	289702	28929	16749	201462	777900	1167558	1318539	2229906
NF_GTD_CAN	genco in for nf > inb demands	3720	3600	3720	10415	10079	10415	3720	3384	3720	1023
SP_GTD_NWK	genco et for storage purch > ptp	107008	87834	79237	65644	57747	69979	132311	171828	155236	76527
SP_GTD_PSW	genco is for storage purch > isb	1807	1957	683	1179	551	626	8258	214	207	3762
SP_GTD_CAN	genco in for storage purch > inb	293822	212438	219114	293822	212439	219113	249692	298355	297391	54306
SS_GTD_NWK	genco et for storage sale > ptp dmd	3662	22779	14372	2095	17567	12727	51720	49406	56501	49810
SS_GTD_PSW	genco is for storage sale > isb dmd	0	0	0	0	0	0	0	0	0	0
SS_GTD_CAN	genco in for storage sale > inb dmd	0	1672	6062	0	1672	6062	0	3470	13088	0
PN_GTD_IOU	genco et for pnca > ptp demands	90695	65430	110000	52243	35599	97134	158310	128621	118886	115177
PN_GTD_PUB	genco et for pnca > ptp demands	8235	5914	24610	4614	2883	21778	31571	16032	6736	8693
ST_CC_WPNW	stor receipts concurrent w/frm whlg, pnw	72656	76308	113374	72656	76308	113374	225578	122103	82292	42789
ST_CC_WPSW	stor receipts concurrent w/frm whlg, psw	0	0	0	0	0	0	0	0	0	0
ST_CC_WCAN	stor receipts concurrent w/frm whlg, can	0	0	0	0	0	0	0	0	0	0

nftx

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	Sep-98	Oct-98	Nov-98
744	720	744	720	744	744	672	744	720	744	720	744	744	720	744	720
113	16	6	489	141	426	71	56	0	0	0	148	241	29	150	741
24,381	3,341	1,295	102,103	30,422	91,914	13,836	12,083	0	0	0	31,932	51,998	6,055	32,364	154,721
19,337	2,650	1,027	80,978	24,128	72,897	10,974	9,583	0	0	0	25,326	41,240	4,802	25,668	122,710
623445	325419	369647	639007	455746	119773	48231	126469	654554	870226	808633	1349211	574352	288701	423212	462700
2401430	2334742	1577151	581047	142548	97458	67679	343717	966445	1521372	1456665	2560894	2805400	2611933	1641122	723153
3720	3600	3720	3720	3600	14135	13679	14135	10415	9474	10415	10080	10415	10079	10416	10416
47872	33951	21071	52456	42827	36733	76250	52289	47109	52756	43276	26685	47872	33951	21071	52456
61044	68988	169422	66011	32384	3142	9721	1254	10516	263	242	4415	61044	68988	169422	66011
385039	412253	110693	75276	187961	293822	212438	219113	249689	298355	297391	137623	385039	412253	110693	75276
70823	27242	22585	29763	16136	11989	61667	45886	121153	103494	111191	119528	70823	27242	22585	29763
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1672	6062	0	3470	13088	0	0	0	0	0
209391	201203	235995	244902	300109	262570	253312	382347	363476	245508	276015	255506	209391	201203	235995	244902
11141	11543	3906	22935	21914	23917	25420	86828	72684	30377	16162	15795	11141	11543	3906	22935
37700	36172	26024	19181	14736	56183	35862	42009	24010	22412	34200	28198	40922	40772	22731	26490
52059	34673	50592	65286	59112	393132	386047	213140	173805	53875	87587	63614	46593	31799	47712	67169
89570	74970	101345	109989	87827	469521	547387	300137	280179	156330	175159	113617	80165	68755	95574	113161
23040	13949	12028	17415	6901	33894	13694	17226	8475	7786	7353	11414	24710	15361	10357	23659
139174	54485	69082	88364	39229	183098	128331	151180	76127	68043	64547	74074	149265	59999	59482	120042
31929	26339	26840	31618	35301	304739	227627	143932	110591	3684	41615	35188	28576	24155	25312	32530
5886	8774	8475	8212	8600	14986	25095	34293	23702	20618	15666	10444	5886	8774	8475	8212
58	0	172	304	0	0	0	0	0	0	0	196	58	0	172	304
116	0	344	608	0	0	0	0	0	0	0	392	116	0	344	608
0	132	260	340	0	0	0	0	0	0	0	0	0	132	260	340
310684	216521	230810	183694	129699	388254	507666	465050	333298	369682	357301	227701	337240	244059	201597	253689
1773676	1580550	1002760	370253	74829	34276	16671	126109	849622	1452217	1369581	2854510	2076606	1784677	1083365	357865
2149872	2113703	1392943	410242	49063	13352	4701	133151	728699	1285559	1246966	2332345	2552712	2389769	1456064	544371
1917	1335	1173	1678	1459	5915	5565	6766	10415	9474	10415	3787	5387	3775	3441	4699
264930	266431	149758	52845	40852	51948	50808	59936	126687	171257	137528	75169	274941	273416	151279	51863
57156	63228	149631	50081	12748	1021	370	562	8187	217	206	3778	57656	63744	150042	51947
183038	203875	55282	30410	82976	136095	100118	88636	249689	298355	297391	54402	183993	204632	55508	30412
37812	14258	11836	6795	2551	1479	16292	11021	49454	49180	50151	48737	39279	14577	11960	6631
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	723	2406	0	3470	13088	0	0	0	0	0
113794	100832	93920	58995	37296	37921	29242	83835	150663	128455	103230	113542	118741	103359	95591	57774
5989	4818	1703	5602	2760	3178	2293	18930	30064	16023	5944	8511	6297	4925	1730	5517
5763	7226	50116	59165	54865	72656	76308	113374	225578	122103	82292	42789	5763	7226	50116	59165
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



nftx

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
744	744	672	744	720	744	720	744	744	720	744	720	744	744	696	744
382	547	273	233	0	0	0	225	368	52	227	884	482	695	542	261
82,420	118,021	53,202	50,272	0	0	0	48,546	79,400	10,858	48,978	184,579	103,996	149,953	109,397	56,313
65,368	93,603	42,195	39,871	0	0	0	38,502	62,972	8,611	38,844	146,390	82,480	118,928	86,763	44,662
233988	117539	24472	98197	554891	644872	746868	1195859	708264	381588	404597	453805	150468	87037	20874	69928
111592	82580	69839	284197	900226	1358271	1329465	2738721	2966841	2640732	1505006	605599	116630	102666	100075	229884
10079	17855	17279	17855	14135	12858	14135	13680	14135	13679	14135	14136	13679	24550	23759	24551
42827	36733	76250	52289	47109	52756	43276	26685	47872	33951	21071	52456	42827	36732	76250	52289
32384	3142	9721	1254	10516	263	242	4415	61044	68988	169422	66011	32384	3142	9721	1254
187961	293822	212438	219113	249689	298355	297391	137623	385039	412253	110693	75276	187960	293823	212438	219113
16136	11989	61667	45886	121153	103494	111191	119528	70823	27242	22585	29763	16137	11989	61667	45886
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1672	6062	0	3470	13088	0	0	0	0	0	0	0	1672	6062
300109	262570	253312	382347	363476	245508	276015	255506	209391	201203	235995	244902	300109	262570	253312	382347
21914	23917	25420	86828	72684	30377	16162	15795	11141	11543	3906	22935	21914	23917	25420	86828
28702	57250	70679	54104	28323	30245	37028	31814	33185	30848	23776	27009	44634	77314	82862	75976
102340	426749	474459	262074	193619	64323	95559	63219	42848	30518	51578	75187	132410	450180	369964	334261
152053	509670	672749	369045	312119	186646	191100	112910	73722	65986	103319	126668	196731	537654	524581	470696
12987	33522	20307	20870	9903	10414	7913	12828	20003	11611	10725	23920	19311	40674	18995	25635
73830	181089	190295	183164	88963	91006	69471	83245	120827	45353	61598	121370	109777	219724	178007	224987
61116	330797	279758	176976	123198	4398	45403	34969	26280	23183	27363	36413	79074	348960	218143	225724
8600	14986	25095	34293	23702	20618	15666	10444	5886	8774	8475	8212	8600	14986	25095	34293
0	0	0	0	0	0	0	196	58	0	172	304	0	0	0	0
0	0	0	0	0	0	0	392	116	0	344	608	0	0	0	0
0	0	0	0	0	0	0	0	0	132	260	340	0	0	0	0
252620	395633	1000541	598943	393161	498870	386849	256901	273478	184649	210872	258661	392841	534282	1173002	841071
25042	26597	11408	88975	701274	1097006	1176832	2845181	2282841	1839314	929751	270665	14649	31800	22747	76645
33137	8500	4994	88441	663390	1123068	1120961	2509333	2713808	2418462	1321784	433006	35542	15062	11124	52585
4093	7482	7032	8677	5627	5903	4983	5625	7326	5156	5260	6377	5561	10314	9676	12129
27910	45193	43624	51935	117309	153896	127602	73645	278397	271259	142134	44130	21759	53129	54703	55038
11445	950	376	501	8081	213	202	3804	57821	63792	149137	50446	11670	1043	478	428
83490	136501	100228	88739	111305	149104	142519	54443	184526	205069	55638	30413	83770	137222	100423	88912
1676	1196	14808	9615	45675	43999	46702	47747	39686	14478	11315	5561	1267	1525	17038	10256
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	724	2411	0	2008	8016	0	0	0	0	0	0	0	728	2419
21694	31687	23277	72406	137983	114984	94634	111907	120041	102477	88516	48759	15541	38790	32516	76767
1621	2587	1734	16434	27548	14251	5493	8371	6361	4865	1614	4639	1135	3254	2571	17474
54865	72656	76308	113374	225578	122103	82292	42789	5763	7226	50116	59165	54865	72656	76308	113374
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

nftx

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	Jun-01	Jul-01
720	744	720	744	744	720	744	720	744	744	672	744	720	744	720	744
0	0	0	323	287	22	291	773	593	746	526	249	0	0	0	173
0	0	0	69,690	61,923	4,594	62,786	161,402	127,946	160,957	102,507	53,724	0	0	0	37,326
0	0	0	55,272	49,111	3,643	49,796	128,009	101,474	127,656	81,299	42,609	0	0	0	29,604
267826	369490	787060	809934	743981	269976	252853	355587	275026	393528	338331	746882	614819	505161	158386	217861
648755	770863	1513941	2402504	3183327	2812095	1607657	740265	116630	736547	888626	1392694	2407531	3246573	2234666	1505006
17855	16242	17855	17279	17855	17279	17855	17856	17279	24550	22333	24551	23759	24551	23759	24551
47109	52756	43276	26685	47872	33951	21071	52456	42827	47109	52756	43276	26685	47872	33951	21071
10516	263	242	4415	61044	68988	169422	66011	32384	10516	263	242	4415	61044	68988	169422
249689	298355	297392	137623	385039	412254	110693	75276	187960	249690	298355	297391	137623	385039	412253	110693
121153	103494	111191	119528	70822	27241	22585	29763	16137	121152	103494	111191	119528	70822	27242	22585
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	3470	13088	0	0	0	0	0	0	0	3470	13088	0	0	0	0
363476	245508	276015	255506	209391	201203	235995	244902	300109	363476	245508	276015	255506	209391	201203	235995
72684	30377	16162	15795	11141	11543	3906	22935	21914	72684	30377	16162	15795	11141	11543	3906
58680	52786	35137	46974	31592	43600	38045	34469	24420	39936	57647	37027	61881	46528	74319	44156
307379	112990	86228	77430	40096	29927	52939	72686	90300	249309	105014	92734	82300	41973	38543	57168
495505	327862	172441	138292	68988	64707	106045	122455	134165	401894	304720	185451	146990	72217	83338	114517
19726	17758	7482	18756	18967	15977	16590	29973	10844	13479	18992	7806	24297	27279	25197	18526
177199	155179	65681	121719	114572	62406	95280	152082	61646	121084	165964	68532	157675	164779	98419	106401
195583	7726	40970	42830	24592	22733	28085	35202	53926	158634	7180	44061	45524	25743	29279	30329
23702	20618	15666	10444	5886	8774	8475	8212	8600	23702	20618	15666	10444	5886	8774	8475
0	0	0	196	58	0	172	304	0	0	0	0	196	58	0	172
0	0	0	392	116	0	344	608	0	0	0	0	392	116	0	344
0	0	0	0	0	132	260	340	0	0	0	0	0	0	132	260
814564	870679	367094	379312	260349	260986	337422	330107	214925	554374	950865	386842	499687	383431	444862	391617
322967	447648	1298160	2115346	2383009	1802602	855221	263134	21243	498656	560414	1268622	2074223	2423690	1357983	844479
417368	540391	1303782	2174752	2929902	2589227	1423028	560800	35542	502763	656528	1183548	2179755	2993041	2014093	1321784
7222	7469	6351	7480	9271	6553	7169	8055	7032	10170	10300	9300	11095	12795	9137	10635
89336	113503	124299	63469	269535	255488	132783	40550	21730	109470	130032	133576	67807	286589	248150	142138
7520	182	207	3754	58018	64060	149830	52137	11670	7753	191	204	3754	58071	63014	149137
111640	149390	142688	54485	185060	205501	55779	30414	84048	112165	149896	143316	54718	186022	206322	56049
34746	32331	45578	41980	38389	13642	10641	4994	1282	42642	37007	48766	44584	41005	13310	11270
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2012	8019	0	0	0	0	0	0	0	2019	8022	0	0	0	0
101229	81378	92239	97851	116692	97144	81645	44783	16183	126789	94171	99812	104722	124372	94762	87327
20168	9942	5340	7301	6176	4584	1505	4276	1189	25303	11558	5767	7763	6646	4536	1597
225578	122103	82292	42789	5763	7226	50116	59165	54865	225578	122103	82292	42789	5763	7226	50116
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

Aug-01	Sep-01		FY97	FY98	FY99	FY00	FY01	5-yr Avg. (MWhs/yr)	5-yr Avg. (GWhs/yr)		
744	720										
259	19										
55,882	3,967		178816.3	341638.6	629803.4	789424.1	766497.8	541236	541		
44,320	3,146		141819.8	270954.7	499499.3	626095	607912.1	429256	429		
450058	294467		7412244	6304550	5592450	4434976	4602959	5669436	5,669		
691157	126710		13117842	14732309	14846739	13991345	15694062	14476459	14,476		
24552	23758		63693	113867	166522	219175	269354	166522	167		
52456	42826		582190	533275	533275	533274	484356	533274	533		
66011	32384		173702	427402	427402	427402	681102	427402	427		
75276	187962		3231101	2879653	2879653	2879655	2528211	2879655	2,880		
29763	16136		792513	741457	741457	741456	690398	741456	741		
0	0		0	0	0	0	0	0	0		
0	0		32026	24292	24292	24292	16558	24292	24		
244902	300109		3347557	3230334	3230334	3230334	3113111	3230334	3,230		
22935	21914		430032	342622	342622	342622	255212	342622	343	irnfrm	total
27234	22807		277195	384509	451399	600340	508469	444382	444	693	1,137
69797	83971		1328884	1624582	1870589	2067630	1036734	1585684	1,586	2,473	4,059
117587	124761		2035302	2490411	2854735	3227444	1914140	2504406	2,504		
23584	9961		124066	176257	194374	237926	226528	191830	192	1,070	1,262
119664	56625		870898	1151339	1306767	1612219	1368151	1261875	1,262		
33803	50147		836364	1013866	1163920	1270111	541913	965235	965		
8212	8600		233838	184751	184751	184751	135664	184751	185	288	473
304	0		254	730	730	730	1206	730	1	1	2
608	0		508	1460	1460	1460	2412	1460	1		
340	0		132	732	732	732	1332	732	1	1	2
260815	200735		2842051	3774454	4696931	6363713	4955682	4526566	4,527	4,527	
336231	38164		11910667	12012111	11535700	9715989	10542060	11143305	11,143		
513710	40504		10691676	12539502	12684529	11824525	13425096	12233066	12,233		
11115	9688		57048	65809	70044	93663	116491	80611	81		
50293	31964		1534712	1465145	1393912	1286523	1395082	1415075	1,415	-758	
51570	12104		139628	348201	349174	346943	559435	348676	349		
30462	84541		2737405	1781979	1341844	1345142	1193732	1680020	1,680		
6412	1949		332709	301352	284173	253628	263862	287145	287	-154	
0	0		0	0	0	0	0	0	0		
0	0		32026	19687	13159	13178	10041	17618	18		
55897	26322		1186721	1059199	984455	887422	956785	1014916	1,015		
5332	1968		141873	106230	96512	84198	77440	101251	101		
59165	54865		1010427	912235	912235	912235	814043	912235	912	-912	
0	0		0	0	0	0	0	0	0		
0	0		0	0	0	0	0	0	0		

## DBILDET

FY	FA	NG	GP	POWER_ONLY
1997	2064.9	1454209.8	146099.4	FALSE
1998	2070.7	1455956.4	114263.3	FALSE
1999	2090.5	1402795.2	159256.5	FALSE
2000	2107.0	1420289.5	163029.0	FALSE
2001	2114.1	1430152.7	173393.9	FALSE
1997	2064.7	1430549.3	103000.8	TRUE
1998	2070.4	1432274.3	72442.7	TRUE
1999	2090.3	1379131.8	115593.2	TRUE
2000	2106.7	1396626.8	119208.8	TRUE
2001	2113.8	1406493.2	129247.6	TRUE

line item	Remarks	Units	FY97	FY98	FY99	FY00	FY01
<b>GenCo PF Sales</b>							
Federal Agencies.....	no del, includes load shaping	(\$000)	2,260	2,271	2,288	2,301	2,317
Sm & Non Gen Pub.....	no del, includes load shaping	(\$000)	64,168	64,305	62,187	62,940	63,213
Gen Publics.....	no del, includes load shaping	(\$000)	38,511	38,660	44,344	45,806	49,763
IP Sales.....	GenCo sales to Industry	(\$000)	22,985	22,985	22,985	22,985	22,985
Industrial Delivery.....	Portion of UFT which is GenCo loads		7,745	7,868	7,993	8,121	8,250
NR Sales.....	Whatever...	(\$000)	0	0	0	0	0
PF Deliver charges.....	for above	(\$000)	13,821	13,561	13,471	13,661	13,841
<b>Contracts</b>							
	SP, C/E, CEA, etc.						
<b>Direct Assignment</b>							
G-I Segment.....			15,149	14,661	14,425	14,257	14,274
Delivery Underrecovery.....			6,039	6,017	6,368	6,462	6,621
General Transfer Costs.....			30,885	31,597	31,156	32,143	32,557
Purchase Power Costs.....			928	1,342	2,074	2,479	2,421
Storage Costs.....			1,938	2,484	2,325	2,075	3,037
<b>Wheeling (TransCo) Revenues</b>							
FPT96 (Utilities).....	Utility Whlg	(\$000)	35,038	35,038	35,038	35,038	35,038
FPT96 (Industrial).....	Industrial Whlg	(\$000)	333	333	333	333	333
IR96 (Utility).....	Utility Whlg	(\$000)	78,653	81,533	81,533	81,533	81,533
IR96 (Industry).....	Industrial Whlg	(\$000)	13,428	13,428	13,428	13,428	13,428
Industrial Whlg Delivery.....	Portion of UFT which is Wheeled loads	(\$000)	4,900	4,978	5,057	5,138	5,220
IS96.....	TransCo ISb & ISa Revenues	(\$000)	16,402	19,016	20,322	21,539	16,357
ET96.....	All TransCo NF Wheeling	(\$000)	6,358	7,686	8,778	9,903	5,566
IE96.....	none forecasted	(\$000)	0	0	0	0	0
<b>Fixed Rate Credits</b>							
UFT (Revenue Credit).....	Table 2	(\$000)	9,024	9,204	9,389	9,576	9,768
TGT.....	Table 2	(\$000)	7,180	9,792	9,792	9,792	9,792
PNCA charges.....	Table 2	(\$000)	1,083	1,083	1,083	1,083	1,083
CSPE Whlg.....	Table 2	(\$000)	720	666	462	294	284
Non-Traditional Revenues	Table 2	(\$000)	7,928	12,528	17,428	21,128	21,528
IPP.....	Table 2	(\$000)	324	324	324	324	324
O&M.....	Table 2	(\$000)	1,356	1,383	1,411	1,439	1,468
AC Rate.....	Table 2	(\$000)	1,083	1,105	1,127	1,149	1,172
RAS.....	Table 2	(\$000)	888	888	888	888	888
NFP Depr.....	Table 2	(\$000)	3,468	3,468	3,468	3,468	3,468
Reactive.....	Table 2	(\$000)	1,003	1,003	1,003	1,003	1,003
Delivery Charges for Utility Wheeling	Table 20	(\$000)	601	590	606	607	610

line item	Units	FY97	FY98	FY99	FY00	FY01
<b>Federal Agencies</b>						
Billing Determinants for allocation	NCDMW	201	202	203	204	205
Base Rate.....	(\$000)	2,260	2,271	2,288	2,301	2,317
Load Shaping.....	(\$000)	1,218	1,224	1,233	1,240	1,249
Delivery.....	(\$000)	19	19	19	19	19
Generation Demand.....	(\$000)	1,652	1,691	1,743	1,843	1,824
<b>Total.....</b>		<b>5,148</b>	<b>5,205</b>	<b>5,284</b>	<b>5,404</b>	<b>5,409</b>
<b>Sm &amp; Non Gen Pub</b>						
Billing Determinants for allocation	NCDMW	3,979	3,993	3,936	3,981	4,008
Base Rate.....	(\$000)	41,695	41,784	40,407	40,897	41,074
Load Shaping.....	(\$000)	22,473	22,521	21,780	22,043	22,139
Delivery.....	(\$000)	12,875	12,890	12,412	12,570	12,658
Generation Demand.....	(\$000)	32,773	33,474	33,803	35,919	35,594
<b>Total.....</b>		<b>109,816</b>	<b>110,669</b>	<b>108,402</b>	<b>111,429</b>	<b>111,466</b>
<b>Gen Publics</b>						
Billing Determinants for allocation	NCDMW	1,942	1,968	2,276	2,346	2,561
Base Rate.....	(\$000)	23,310	23,613	27,310	28,146	30,735
Load Shaping.....	(\$000)	15,201	15,048	17,033	17,660	19,028
Delivery.....	(\$000)	927	652	1,040	1,073	1,163
Generation Demand.....	(\$000)	15,997	16,495	19,545	21,162	22,749
<b>Total.....</b>		<b>55,435</b>	<b>55,807</b>	<b>64,929</b>	<b>68,041</b>	<b>73,675</b>
<b>Total PF Bill (including Direct Assignment).</b>		<b>170,399</b>	<b>171,681</b>	<b>178,615</b>	<b>184,873</b>	<b>190,550</b>
<b>IP Sales</b>						
Billing Determinants for allocation	NCDMW	1,915	1,915	1,915	1,915	1,915
Base Rate.....	(\$000)	22,985	22,985	22,985	22,985	22,985
Delivery.....	(\$000)	7,745	7,868	7,993	8,121	8,250
Generation Demand.....	(\$000)	15,774	16,056	16,449	17,282	17,012
<b>Total.....</b>		<b>46,504</b>	<b>46,909</b>	<b>47,428</b>	<b>48,387</b>	<b>48,247</b>
<b>Direct Assignment</b>						
G-I Segment.....	(\$000)	15,149	14,661	14,425	14,257	14,274
Delivery Underrecovery.....	(\$000)	6,039	6,017	6,368	6,462	6,621
General Transfer Costs.....	(\$000)	30,885	31,597	31,156	32,143	32,557
Purchase Power Costs.....	(\$000)	928	1,342	2,074	2,479	2,421
Storage Costs (deliveries).....	(\$000)	1,938	2,484	2,325	2,075	3,037
Storage Costs (returns).....	(\$000)	362	340	301	231	302
C/E Exchange Costs.....	(\$000)	7,879	7,861	6,989	6,989	6,257
CEA.....	(\$000)	0	768	5,450	9,363	9,363
PNCA Costs.....	(\$000)	3,016	2,646	2,454	2,206	2,348
<b>Total.....</b>		<b>66,196</b>	<b>67,715</b>	<b>71,541</b>	<b>76,206</b>	<b>77,180</b>
<b>NCDs for Generation Demand Allocatior</b>						
Federal Agencies.....	NCDMW	201	202	203	204	205
Sm & Non Gen Pub.....	NCDMW	3,979	3,993	3,936	3,981	4,008
Gen Publics.....	NCDMW	1,942	1,968	2,276	2,346	2,561
IP Sales.....	NCDMW	1,915	1,915	1,915	1,915	1,915
<b>Total.....</b>		<b>8,038</b>	<b>8,078</b>	<b>8,330</b>	<b>8,446</b>	<b>8,690</b>
<b>Percentages for Generation Demand Allocatior</b>						
Federal Agencies.....	(%)	2.5%	2.5%	2.4%	2.4%	2.4%
Sm & Non Gen Pub.....	(%)	49.5%	49.4%	47.2%	47.1%	46.1%
Gen Publics.....	(%)	24.2%	24.4%	27.3%	27.8%	29.5%
IP Sales.....	(%)	23.8%	23.7%	23.0%	22.7%	22.0%
<b>Total.....</b>		<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**Combined PSW Contracts**

SP PSW portion of consolidated PSW demand	1CDMW	500	500	499	499	499
C/E PSW portion of consolidated PSW demand	1CDMW	220	218	187	187	187

**SP Contracts PSW Breakout**

Anaheim SP-95 (92784)	1CDMW	24	24	24	24	24
Riverside SP-95 (92858)	1CDMW	23	23	23	23	23
Palo Alto SP (94508)	1CDMW	20	20	20	20	20
Burbank SP-95 (92411)	1CDMW	40	40	40	40	40
Glendale SP-95 (92412)	1CDMW	20	20	20	20	20
Pasadena SP-95 (92413)	1CDMW	6	6	6	6	6
M-S-R SP-95 (92499)	1CDMW	150	150	150	150	150
SCE mSC-86 (92275)	1CDMW	250	250	250	250	250
Palo Alto SP- (94508)	1CDMW	20	20	20	20	20
<b>Total</b>		<b>553</b>	<b>553</b>	<b>553</b>	<b>553</b>	<b>553</b>

**Prorated portion of Consolidated demand**

Anaheim SP-95 (92784)	NCDMW	4.3%	4.3%	4.3%	4.3%	4.3%
Riverside SP-95 (92858)	NCDMW	4.2%	4.2%	4.2%	4.2%	4.2%
Palo Alto SP (94508)	NCDMW	3.6%	3.6%	3.6%	3.6%	3.6%
Burbank SP-95 (92411)	NCDMW	7.2%	7.2%	7.2%	7.2%	7.2%
Glendale SP-95 (92412)	NCDMW	3.6%	3.6%	3.6%	3.6%	3.6%
Pasadena SP-95 (92413)	NCDMW	1.1%	1.1%	1.1%	1.1%	1.1%
M-S-R SP-95 (92499)	NCDMW	27.1%	27.1%	27.1%	27.1%	27.1%
SCE mSC-86 (92275)	NCDMW	45.2%	45.2%	45.2%	45.2%	45.2%
Palo Alto SP- (94508)	NCDMW	3.6%	3.6%	3.6%	3.6%	3.6%
<b>Total</b>		<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>

**SP Contract Revenues**

SCE mSC-86 (92275)	(\$000)	6,456	6,455	6,437	6,437	6,437
All others	(\$000)	7,825	7,824	7,801	7,801	7,801
<b>Total</b>		<b>14,281</b>	<b>14,279</b>	<b>14,238</b>	<b>14,238</b>	<b>14,238</b>

**SP Contracts PNW**

WWP Capacity Sale SP-95 (92871)	1CDMW	50	50	50	50	50
PP&L Capacity Sale PPL-90 (92497)	1CDMW	1,100	1,100	1,100	1,100	925
BPA to Pacificorp (99116)	1CDMW	50	0	0	0	0
PGE Capacity Sale SP (94626)	1CDMW	150	150	150	150	0
Conservation Transfer SP-95 (92795,-7,-8)	1CDMW	12	12	12	12	12
Electric Ventures SP-95 (92759)	1CDMW	8	0	0	0	0
BPA to EWEB, Base Load (94831)	1CDMW	150	150	150	150	0
BPA to EWEB, Variable (94831)	1CDMW	50	50	50	50	0
BPA to Western Oregon (94697)	1CDMW	15	15	0	0	0
BPA to Lower Valley (94839)	1CDMW	109	110	112	113	114
BPA to WWP, Riverside (94667)	1CDMW	25	25	25	25	25
BPA to WWP, Clark (94779)	1CDMW	250	250	0	0	0
BPA to WWP, Power Sale (95104)	1CDMW	115	115	115	115	115
BPA to PGE, Canby (94728)	1CDMW	18	0	0	0	0
PSP&L mSL-87 (92527)	1CDMW	300	300	300	300	300
BPA to Cowlitz, SP sale (95084)	1CDMW	150	150	150	150	0
BPA to Salem Electric, SP sale (95216)	1CDMW	7	7	7	7	7
Forecasted sales: BPA to Marketers	1CDMW	151	247	325	397	476
Forecasted sales: BPA to IOUs	1CDMW	225	301	328	360	416
NW Alum, Intalco, Col. Alum	1CDMW	78	0	0	0	0
<b>Total</b>		<b>3,013</b>	<b>3,032</b>	<b>2,874</b>	<b>2,979</b>	<b>2,440</b>

**SP Revenues PNW**

PP&L Capacity Sale PPL-90 (92497)	(\$000)	13,411	13,411	13,411	13,411	11,278
PSP&L mSL-87 (92527)	(\$000)	3,658	3,658	3,658	3,658	3,658
All others	(\$000)	19,663	19,897	17,971	19,251	14,813
<b>Total</b>		<b>36,732</b>	<b>36,966</b>	<b>35,040</b>	<b>36,320</b>	<b>29,748</b>

<b>NF Sales, PNW</b>	(\$000)	9,732	8,128	7,108	5,246	5,356
<b>NF Sales, PSW</b>	(\$000)	44,380	50,845	51,088	46,586	52,362
<b>NF Sales, Canada</b>	(\$000)	84	147	212	259	313

<b>Total GenCo Bill</b>	(\$000)	<b>322,113</b>	<b>328,956</b>	<b>333,727</b>	<b>335,910</b>	<b>340,816</b>
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**Wheeling (TransCo) Revenues**

FPT96 (Utilities).....	(\$000)	35,038	35,038	35,038	35,038	35,038
FPT96 (Industrial).....	(\$000)	333	333	333	333	333
IR96 (Utility).....	(\$000)	78,653	81,533	81,533	81,533	81,533
IR96 (Industry).....	(\$000)	13,428	13,428	13,428	13,428	13,428
Industrial Whlg Delivery.....	(\$000)	4,900	4,978	5,057	5,138	5,220
IS96.....	(\$000)	16,402	19,016	20,322	21,539	16,357
ET96.....	(\$000)	6,358	7,686	8,778	9,903	5,566
IE96.....	(\$000)	0	0	0	0	0

**Fixed Rate Credits**

UFT (Revenue Credit).....	(\$000)	9,024	9,204	9,389	9,576	9,768
TGT (not including BPA power purchase).....	(\$000)	7,180	9,792	9,792	9,792	9,792
PNCA Revenue Credits.....	(\$000)	1,083	1,083	1,083	1,083	1,083
CSPE Whlg.....	(\$000)	720	666	462	294	284
Non-Traditional Revenues	(\$000)	7,928	12,528	17,428	21,128	21,528
IPP.....	(\$000)	324	324	324	324	324
O&M.....	(\$000)	1,356	1,383	1,411	1,439	1,468
AC Rate.....	(\$000)	1,083	1,105	1,127	1,149	1,172
RAS.....	(\$000)	888	888	888	888	888
NFP Depr.....	(\$000)	3,468	3,468	3,468	3,468	3,468
Reactive.....	(\$000)	1,003	1,003	1,003	1,003	1,003
Delivery Charges for Utility Wheeling	(\$000)	601	590	606	607	610



received from ron after 6/3/93							
i believe, excludes GTA cost, includes northern intertie costs, excludes 34.5 kv costs, includes expanded fringe costs down to 34.6 kv							
	A	B	C	D	E	F	G
	NET	GENERAL	TOTAL	ANNUAL	BPA	REVENUE	5 year
	PLANT	PLANT	PLANT	COST	NOR	CREDITS	average
500kv System							
1. 500KV SYSTEM							
2. LINES	550,568	109,698	660,266	36,431	47,757		84,188
3. LINES REACTOR & REACTIVE	74,870	15,014	89,884	11,157	6,493		17,650
4. TOTAL	625,438	124,712	750,150	47,588	54,250		101,838
5. TERMINALS	35,376	7,098	42,474	5,450	3,068		8,518
6. CORPS & USBR	34,422	2,340	36,762	2,362	2,662		5,024
7. SWITCHING	116,124	23,309	139,433	17,447	10,071		27,518
8. TRANSFORMATION 500/230	112,963	22,523	135,486	19,632	9,798		29,430
230-345kv System							
10. LINES	241,937	48,233	290,170	27,384	20,985		48,369
11. LINES REACTOR & REACTIVE	76,647	15,539	92,186	12,981	6,645		19,626
12. TOTAL	318,584	63,772	382,356	40,365	27,630		67,995
13. TERMINALS	37,474	7,602	45,076	6,129	3,249		9,378
14. CORPS & USBR	24,095	1,638	25,733	1,654	1,863		3,517
15. SWITCHING	42,035	8,453	50,488	7,230	3,645		10,875
16. DIRECT DELIVERY	13,122	2,609	15,731	2,543	1,138		3,681
17. TRANSFORMATION 230/115	139,984	27,988	167,972	25,160	12,141		37,301
Secondary System							
19. LINES	126,623	25,321	151,944	20,111	10,982		31,093
20. LINES REACTIVE	23,926	4,794	28,720	4,912	2,075		6,987
21. TOTAL	150,549	30,115	180,664	25,023	13,057		38,080
22. TERMINALS	56,149	11,292	67,441	9,690	4,869		14,559
23. CORPS & USBR	10,326	702	11,028	709	799		1,508
24. DIRECT DELIVERY	19,838	3,951	23,789	4,363	1,721		6,084
25. TRANSFORMATION 115/69	11,214	2,229	13,443	2,490	973		3,463
Total Network	1,747,693	340,333	2,088,026	217,835	150,934	0	368,769
26. 34.5KV FACILITIES	10,120	2,012	12,132	2,374	878		3,252



## BPA GenCo Firm Network Transmission Loads: Summary

	Units	FY97	FY98	FY99	FY00	FY01	5-yr Avg
<b>Federal Agencies - aMW</b>							
Total (Table 4)	aMW	146	146	147	148	149	147
Total (GWh)	GWh	1,275	1,282	1,291	1,302	1,307	1,292
<b>Federal Agencies - 12CPMW</b>							
Total (Table 6)	12cpMW	188	189	191	192	193	191
<b>Federal Agencies - 12NCDMW</b>							
Total	MW	201	202	203	204	205	203
<b>Federal Agencies - 1CDMW</b>							
Total	1CDMW	235	237	238	240	241	238
<b>Non-Scheduling Publics - aMW</b>							
Total (Table 4)	aMW	2,633	2,633	2,551	2,582	2,593	2,598
Total (GWh)	GWh	23,065	23,062	22,345	22,678	22,719	22,774
<b>Non-Scheduling Publics - 12cpMW</b>							
Total (Table 6)	12CPMW	3,404	3,411	3,297	3,338	3,352	3,360
<b>Non-Scheduling Publics - 12NCDMW</b>							
Total	MW	3,979	3,993	3,936	3,981	4,008	3,979
<b>Non-Scheduling Publics - 1CDMW</b>							
Total	1CDMW	5,173	5,207	5,103	5,158	5,178	5,164
<b>Scheduling Publics - aMW</b>							
Total (Table 4)	aMW	1,756	1,661	1,884	1,968	2,178	1,889
Total (GWh)	GWh	15,383	14,552	16,506	17,284	19,081	16,561
<b>Scheduling Publics - 12cpMW</b>							
Total	12CPMW	2,061	1,941	2,207	2,302	2,551	2,212
<b>Scheduling Publics - 12NCDMW</b>							
Total (Table 6)	12NCDMW	1,942	1,968	2,276	2,346	2,561	2,219
<b>Scheduling Publics - Unadjusted CMR</b>							
Total	CMR	2,350	2,326	2,633	2,730	2,942	2,596
<b>Scheduling Publics - 1CDMW(CMR)</b>							
Total	1CDMW	3,199	3,124	3,485	3,680	3,887	3,475
<b>Load Shaping Summary</b>							
Federal Agencies - 1CDMW	1CDMW	235	237	238	240	241	238
Non-Scheduling Publics - 1CDMW	1CDMW	5,173	5,207	5,103	5,158	5,178	5,164
Scheduling Publics - 1CDMW	1CDMW	3,199	3,124	3,485	3,680	3,887	3,475
Federal Agencies - 12CPMW	12CPMW	188	189	191	192	193	191
Non-Scheduling Publics - 12CPMW	12CPMW	3,404	3,411	3,297	3,338	3,352	3,360
Scheduling Publics - 12NCDMW	12CPMW	1,942	1,968	2,276	2,346	2,553	2,217
Basis for LS Allocation (1CD - CP) (Table 4)	MW	3,183	3,110	3,172	3,313	3,317	3,219
Adjustment for Losses (0.016 * CD)	MW	138	137	141	145	149	142
Total (Table 6)	MW	3,321	3,247	3,313	3,458	3,466	3,361
NT LS Billing Determinant	MW	3,663	3,671	3,558	3,600	3,616	3,622
NTP LS Billing Determinant	MW	2,350	2,326	2,633	2,730	2,942	2,596
Total	MW	6,013	5,998	6,191	6,330	6,558	6,218
<b>PF Energy for ET-96 Calculation</b>							
Total		39,724	38,895	40,143	41,264	43,108	40,627

## BPA GenCo Firm Network Transmission Loads: Summary

	Units	FY97	FY98	FY99	FY00	FY01	5-yr Avg
<b>IP Sales - aMW</b>							
Total.....	aMW	1,842	1,842	1,842	1,842	1,842	1,842
Total (GWh).....	GWh	16,136	16,136	16,136	16,180	16,136	16,145
<b>IP Sales - 12NCMDMW</b>							
Total (Table 4, Table 6).....	12NCMDMW	1,915	1,915	1,915	1,915	1,915	1,915
<b>IP Sales - 1CDMW</b>							
Total.....	1CDMW	1,915	1,915	1,915	1,915	1,915	1,915
<b>NR Sales - aMW.....</b>							
	aMW	0	0	0	0	0	0
<b>NR Sales - 12NCMDMW.....</b>							
	12NCMDMW	0	0	0	0	0	0
<b>NR Sales - 1CDMW (Table 4, Table 6).....</b>							
	1CDMW	0	0	0	0	0	0
<b>Canadian Entitlement Allocation - aMW</b>							
Total.....	aMW	0	25	179	300	299	160
Total (GWh).....	aMW	0	220	1,564	2,634	2,616	1,407
<b>Canadian Entitlement Allocation - 12NCMDMW (Table 4).....</b>							
	12NCMDMW	0	63	447	768	768	409
<b>Canadian Entitlement Allocation - 1CDMW</b>							
Total.....	1CDMW	0	63	447	768	768	409
Total w/losses (Table 6).....	1CDMW	0	64	454	780	780	416
<b>SP Contract Sales (PNW) - aMW</b>							
Total for ET Calculation.....	aMW	1,109	1,102	1,036	1,046	1,001	1,059
Total for ET Calculation (GWh).....	GWh	9,712	9,653	9,079	9,188	8,768	9,280
<b>SP Contract Sales (PNW) - 12NCMDMW</b>							
Total (Table 4).....	12NCMDMW	2,324	2,413	2,352	2,328	1,989	2,281
<b>SP Contract Sales (PNW) - 1CDMW</b>							
Total.....	1CDMW	3,013	3,032	2,874	2,979	2,440	2,868
Total w/losses.....	1CDMW	3,061	3,081	2,920	3,027	2,479	2,913
<b>C/E Exchanges (PNW) - aMW</b>							
Total for ET Calculation.....	aMW	84	88	89	80	45	77
Total for ET Calculation (GWh).....	GWh	734	769	778	700	391	674
<b>C/E Exchanges (PNW) - 12NCMDMW</b>							
Total (Table 4).....	12NCMDMW	125	129	130	121	75	116
<b>C/E Exchanges (PNW) - 1CDMW</b>							
Total.....	1CDMW	132	135	135	135	75	122
C/E PNW grossed up for losses.....	1CDMW	134	137	137	137	76	124
<b>SP Contract Sales (PSW) - aMW</b>							
Total for ET Calculation.....	aMW	271	301	327	336	306	308
Total for ET Calculation (GWh).....	GWh	2,372	2,634	2,864	2,950	2,677	2,699
<b>SP Contract Sales (PSW) - 12NCMDMW</b>							
Total (Table 4).....	12NCMDMW	481	481	481	481	481	481
<b>C/E Exchanges (PSW) - aMW</b>							
Total for ET Calculation.....	aMW	27	22	16	23	38	25
Total for ET Calculation (GWh).....	GWh	235	193	137	203	331	220
<b>C/E Exchanges (PSW) - 12NCMDMW</b>							
Total (Table 4).....	12NCMDMW	100	102	98	98	98	99
<b>Combined BPA GenCo MWs - Total PSW.....</b>							
	MW	581	582	579	579	579	580
<b>Consolidated BPA GenCo Contract Demand - Total PSW</b>							
SP PSW portion of consolidated PSW demand.....	1CDMW	720	718	686	686	686	699
C/E PSW portion of consolidated PSW demand.....	1CDMW	500	500	499	499	499	499
C/E PSW port. of cons. PSW demand.....	1CDMW	220	218	187	187	187	200
SP PSW port. of cons. PSW demand, w/losses (Table 6)...	1CDMW	523	523	522	522	522	522
C/E PSW port. of cons. PSW demand, w/losses (Table 6)..	1CDMW	230	228	196	196	196	209

**Wheeling Forecast  
Firm Energy Summary  
representative of  
FY97 - FY01  
(GWh)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Annual	
													(GWh)	(aMW)
<b>Integration of Resources (IR)</b>														
IDAHO POWER COMPANY	16	14	14	20	15	13	9	5	15	20	15	17	170	19.4
MONTANA POWER COMPANY	53	73	76	74	69	37	41	62	65	75	73	62	760	86.7
PORTLAND GENERAL ELECTRIC	691	683	796	642	639	726	630	533	555	644	726	667	7,931	905.4
PUGET SOUND POWER & LIGHT	756	885	887	1,027	885	762	714	690	676	815	888	802	9,787	1,117.2
WASHINGTON WATER POWER	94	121	142	195	145	93	97	8	33	126	102	84	1,242	141.8
EUGENE WATER & ELECTRIC BOARD	26	37	39	39	35	39	39	43	36	36	25	23	417	47.6
CITY OF FOREST GROVE	2	2	5	5	5	6	6	6	6	6	5	2	55	6.3
CITY OF MCMINNVILLE	2	2	5	5	5	6	6	6	6	6	5	2	54	6.1
CITY OF MILTON-FREEWATER	2	2	5	5	5	6	6	6	6	6	5	2	54	6.1
SEATTLE CITY LIGHT	536	537	510	522	518	581	615	715	723	554	413	463	6,687	763.3
COWLITZ COUNTY P.U.D.	30	29	19	30	27	27	22	19	22	22	22	24	292	33.4
KITTITAS COUNTY P.U.D.	2	2	2	2	2	2	2	2	2	2	2	2	19	2.2
SNOHOMISH COUNTY P.U.D.	83	63	72	85	71	59	42	13	13	47	85	85	718	82.0
DIRECT SERVICE IND. SEGMENT	733	709	733	733	662	733	709	733	709	733	733	709	8,626	984.7
subtotal rate.....	3,025	3,158	3,303	3,381	3,083	3,089	2,937	2,841	2,865	3,090	3,099	2,942	36,812	4,202.3
<b>Formula Power Transmission (FPT)</b>														
PACIFIC POWER AND LIGHT	776	742	868	901	761	833	774	467	415	715	723	772	8,749	998.8
PACIFIC POWER AND LIGHT (FPT.3)	458	443	458	458	417	460	434	310	257	422	458	443	5,017	572.7
PORTLAND GENERAL ELECTRIC	0	39	40	40	37	40	39	0	0	5	4	1	246	28.1
PUGET SOUND POWER & LIGHT	0	23	24	24	22	24	23	0	0	0	0	0	140	16.0
WASHINGTON WATER POWER	11	30	31	31	28	31	30	2	7	10	4	1	215	24.5
TACOMA CITY LIGHT	131	99	78	87	90	72	78	83	95	115	124	138	1,191	135.9
TACOMA CITY LIGHT (FPT.3)	26	27	30	36	34	35	36	38	35	35	29	20	380	43.4
WASH. PUBLIC POWER SUPPLY SYS.	5	11	6	6	5	4	4	5	4	7	6	4	65	7.4
COWLITZ COUNTY P.U.D.	23	64	54	69	51	54	38	45	44	22	13	12	489	55.8
COWLITZ COUNTY P.U.D. (FPT.3)	8	10	9	12	11	12	12	12	12	12	11	6	126	14.3
DOUGLAS COUNTY P.U.D.	2	2	2	2	2	2	2	2	2	2	2	2	26	2.9
GRANT COUNTY P.U.D.	133	134	155	151	132	122	132	154	168	158	158	138	1,735	198.1
PEND OREILLE COUNTY P.U.D.	38	39	38	39	35	38	39	41	37	34	29	31	438	49.9
PACIFIC NW GENERATING CO.	32	33	22	24	33	37	30	17	20	23	37	30	337	38.5
DIRECT SERVICE IND. SEGMENT	82	79	82	82	75	82	79	0	0	0	82	79	723	82.5
subtotal rate.....	1,724	1,776	1,898	1,962	1,732	1,846	1,750	1,175	1,096	1,559	1,680	1,677	19,876	2,269.0
<b>Firm PSW Intertie Wheeling (ISb)</b>														
IDAHO POWER COMPANY	5	5	5	5	5	5	5	5	5	5	5	5	60	6.9
MONTANA POWER COMPANY	59	56	73	74	73	61	37	44	61	66	74	70	748	85.4
PACIFIC POWER AND LIGHT	28	28	28	29	32	47	50	49	46	28	29	28	422	48.2
PACIFIC POWER AND LIGHT (S2N)	58	62	78	104	104	104	117	112	103	101	98	71	1,111	126.8
WASHINGTON WATER POWER	35	17	11	37	37	34	37	34	29	33	43	43	390	44.5
SEATTLE CITY LIGHT	4	3	0	0	0	0	0	0	1	4	4	4	21	2.4
TACOMA CITY LIGHT	23	21	12	0	0	0	0	0	0	0	0	5	60	6.9
COWLITZ COUNTY P.U.D.	25	29	26	21	29	26	26	21	19	21	21	22	288	32.9
assured delivery energy.....	237	221	233	270	279	277	272	267	265	258	273	248	3,101	353.9

		<b>Power Rate Development Tx Inputs</b>					
		<b>FY97</b>	<b>FY98</b>	<b>FY99</b>	<b>FY00</b>	<b>FY01</b>	<b>5 Yr Sum</b>
1	SP Services Transmission Charges	51,014	51,245	49,278	50,558	43,987	246,081
NF Services Transmission Charges							
2	NF PNW Transmission Charges	9,816	8,275	7,319	5,506	5,670	36,586
3	NP PSW Transmission ET	17,224	18,994	18,869	16,551	18,263	89,901
4	NF PSW Transmission ISa	27,157	31,850	32,219	30,034	34,100	155,360
5	Total NF Transmission	54,196	59,120	58,407	52,091	58,032	281,847
Transmission Charges for GenCo Inputs (deficiencies) or negotiated direct charges							
6	C/E PNW	1,609	1,646	1,646	1,646	914	7,462
7	C/E PSW	6,270	6,215	5,343	5,343	5,343	28,513
8	Northern Intertie Allocation						
9	Purchase Power Charges	928	1,342	2,074	2,479	2,421	9,243
10	Storage Charges	2,300	2,824	2,626	2,307	3,339	13,395
11	Charges for PNCA Deliveries	3,016	2,646	2,454	2,206	2,348	12,670
12	Charges for CEA	0	768	5,450	9,363	9,363	24,945
13	Generation-Integration	15,149	14,661	14,425	14,257	14,274	72,765
14	General Transfer Costs	30,885	31,597	31,156	32,143	32,557	158,338
15	Utility Delivery Underrecovery	6,039	6,017	6,368	6,462	6,621	31,507
16	Total Trans Rev Deficiencies	66,196	67,715	71,541	76,206	77,180	358,837
Priority Firm Transmission (PF)							
17	NT/NTP	106,157	106,461	110,052	112,288	116,542	551,499
18	PTP	0	0	0	0	0	0
19	Delivery	13,821	13,561	13,471	13,661	13,841	68,355
Industrial Power (IP)							
20	PTP	22,985	22,985	22,985	22,985	22,985	114,924
21	Delivery (UFT)	7,745	7,868	7,993	8,121	8,250	39,978
Residential Exchange (PFx) Tx Rate							
22	PFx alias NT incl LS (\$/kW-mo)	1.539	1.539	1.539	1.539	1.539	1.539
23	PF Billing Determinants (MW-Months)	67,264	67,668	70,006	71,344	74,126	350,408
24	PF Delivery Billing Determinants (12cpPwrkW-yrs)	<b>note the units--kilowatt years</b>					
	Federal Agencies	2,065	2,070	2,090	2,107	2,114	10,446
	NonGenerating Pubs	1,430,549	1,432,274	1,379,132	1,396,627	1,406,493	7,045,075
	Generating Pubs	103,001	72,443	115,593	119,209	129,248	539,493
	Total	1,535,615	1,506,787	1,496,815	1,517,942	1,537,855	7,595,014

**Supplemental vs Final Wheeling Revenues**  
(\$000/Yr, Avg. FY97 - FY01)

Public Entities' Wheeling Revenues	Formula Power Trans.										CSPE+UFT+ AC		Total Wheeling			
	Comp Factors					Revs					Supplemental (\$000/yr)	Draft Rod (\$000/yr)	by Company		Delta Draft - Supl (\$000/yr)	
	Supplemental					Draft Rod							Supplemental	Draft Rod		
	R A T E S ==>					(\$/kW-yr)					(mills/kWh)					
					13.28	19.70	2.40	3.01	4.92	0.78						
					12.00	15.29	2.27	2.54	0.00	0.00						
----- Supplemental Revenues (\$000/yr) -----																
Suppl.					Draft Rod											
<b>CHELAN COUNTY P.U.D.</b>							\$ 5	\$ -		\$ 1	6	5	6	5	-1	
<b>COWLITZ COUNTY P.U.D.</b>													2,394	1,945	-449	
Priest Rapids.....	FPT.3	17.0	12.898	10.39	\$ 219						219	177				
Swift.....	FPT.1	77.0	5.285	4.00	\$ 407						407	308				
Wanapum.....	FPT.1	21.0	13.215	10.67	\$ 278						278	224				
Cwz (Longview Fibre)/CVP.....	IR	45.0			\$ 598	\$ 873					1,470	1,217				
nonfirm.....							\$ 20	\$ 0		\$ -	20	19				
<b>DOUGLAS COUNTY P.U.D.</b>													151	132	-20	
Nilles Corner.....	FPT.1	1.8	5.170	4.95	\$ 9						9	9				
Wells.....	FPT.1	4.5	8.060	5.10	\$ 36						36	23				
nonfirm.....							\$ 105	\$ 1		\$ -	106	100				
<b>EUGENE WATER &amp; ELECTRIC BOARD</b>	IR	125.0			\$ 1,660						1,660	1,500	1,790	1,611	-178	
nonfirm.....							\$ 25	\$ 104		\$ 1	130	111				
<b>FOREST GROVE</b>	IR	8.3			\$ 110						110	100	110	100	-11	
<b>GRAYS HARBOR P.U.D.</b>	IR	110.0			\$ 1,461						1,461					
<b>GRANT COUNTY P.U.D.</b>													buys NT (drops whlg contract)			
Priest Rapids/Wanapum.....	FPT.1	355.9	7.777	5.36	\$ 2,768						2,768	1,909	2,773	1,913	-859	
nonfirm.....							\$ 2	\$ 3		\$ -	5	4				
<b>KITTITAS COUNTY P.U.D.</b>	IR	3.6			\$ 48						48	43	48	43	-5	
<b>MCMINNVILLE</b>	IR	8.3			\$ 110						110	100	110	100	-11	
<b>MILTON-FREEWATER</b>	IR	8.3			\$ 110						110	100	110	100	-11	
<b>OKANOGAN COUNTY P.U.D.</b>											0	0	0	0	0	
Wells.....	FPT.1	0.0	15.310	10.78	\$ -											
<b>PACIFIC NORTHWEST GENERATING CO.</b>													306	233	-73	
Turlock.....	FPT.1	50.0	6.115	4.66	\$ 306						306	233				
<b>PEND OREILLE COUNTY P.U.D.</b>													1,559	1,388	-172	
Bell POI.....	FPT.1	9.0	6.990	5.44	\$ 63						63	49				
Boundary POI.....	FPT.1	32.0	7.100	5.52	\$ 227						227	177				
Box Canyon.....	FPT.1	60.4	10.985	9.76	\$ 663						663	589				
nonfirm.....							\$ 605	\$ -		\$ -	605	573				
<b>SEATTLE CITY LIGHT</b>	IR	1592.0			\$ 21,142	\$ 48					21,190	19,142	22,040	19,806	-2,234	
nonfirm.....							\$ 163	\$ 605		\$ 82	850	664				
<b>SNOHOMISH COUNTY P.U.D.</b>	IR	151.0			\$ 2,005						2,005	1,812	2,070	1,860	-210	
nonfirm.....							\$ 37	\$ 16		\$ 12	65	48				
<b>SPRINGFIELD, CITY OF</b>	IR	50.0			\$ 664						664	600	664	600	-64	
<b>TACOMA CITY LIGHT</b>													3,995	3,235	-760	
Centralia.....	FPT.1	107.0	5.970	4.57	\$ 639						639	489				
Eltopia.....	FPT.1	1.2	21.480	19.20	\$ 26						26	23				
Main Canal Headworks.....	FPT.1	13.0	16.960	13.86	\$ 220						220	180				
PEC 66.....	FPT.1	1.3	23.230	20.88	\$ 30						30	27				
Priest Rapids.....	FPT.3	71.1	10.775	8.56	\$ 766						766	608				
Russell Smith.....	FPT.1	3.1	34.460	31.81	\$ 107						107	99				
Summer Falls.....	FPT.1	48.0	16.960	13.86	\$ 814						814	665				
TCL/CVP + NFP.....	FPT.1	49.3	11.050	8.86	\$ 545		\$ 160				705	561				
Wynoochee.....	FPT.1	12.6	14.730	10.24	\$ 186						186	129				
nonfirm.....							\$ 289	\$ 213		\$ 0	502	453				
<b>WASH. PUBLIC POWER SUPPLY SYS.</b>											615	479	615	479	-136	
Packwood.....	FPT.1	28.9	21.265	16.56	\$ 615											
											\$ 40,202	\$ 33,549	\$ 38,741	\$ 33,549	\$ (5,192)	

**Appendix I**  
**DSI UFT Revenues for Delivery Sement Facilities**

	(A)	(B)	(C)	(D)	(E)
	Average ACR	Plant in	UFT A&I	Associated	
	/1	Service /2	/3	O&M @ 1%	Total
				Growth /4	
<b>FY97</b>	9.585%	77,668	7,444	5,201	12,645
<b>FY98</b>	9.585%	79,222	7,593	5,253	12,846
<b>FY99</b>	9.585%	80,806	7,745	5,306	13,051
<b>FY00</b>	9.585%	82,422	7,900	5,359	13,258
<b>FY01</b>	9.585%	84,071	8,058	5,412	13,470

**Summary of UFT Charges**  
**(FY97)**

Name	Demand	Total	I&A	O&M	Total UFT	UFT
	(kW)	Investment	(\$000)	(\$000)	(\$000)	Charge
		(\$000)				(\$/kW/yr)
ACPC (See Vanalco).	5,000					4.685
Alcoa (Wenatchee)..	203,000	3,614,514	292,053	270,798	562,851	2.773
Atochem.....	98,000	2,471,406	219,955	187,315	407,270	4.156
Columbia Aluminum..	294,750	4,128,492	400,877	322,003	722,880	2.453
Columbia Falls.....	350,300	5,207,649	476,500	488,098	964,598	2.754
Georgia Pacific....	34,400	6,812			0	1.907
Gilmore Steel.....	13,510	1,383,842	123,162	157,381	280,543	20.766
Glenbrook Nickel...	120,000	2,094,504	203,376	203,330	406,706	3.389
Intalco.....	467,000	2,995,544	266,603	497,751	764,354	1.637
Kaiser Bell.....	395,900	9,682,688	885,966	509,172	1,395,138	3.524
Kaiser Tacoma.....	152,300	2,578,887	235,968	212,949	448,917	2.948
Kaiser Trentwood...	88,900	3,162,811	281,490	249,677	531,167	5.975
NW Alloy (Alcoa)...	58,800	4,456,045	407,728	192,941	600,669	10.215
NW Aluminum.....	167,500	1,392,220	123,908	227,805	351,713	2.100
Oremet.....	17,200	13,466	1,198	673	1,871	0.109
Port Townsend.....	16,600	33,288	2,963	1,664	4,627	0.279
Reynolds Longview..	418,000	20,326,621	2,116,001	577,791	2,693,792	6.444
Reynolds Troutdale.	250,000	9,090,249	946,295	467,972	1,414,267	5.657
Vanalco.....	233,500	5,029,267	460,178	633,712	1,093,890	4.685
<b>Total</b>	<b>3,384,660</b>	<b>77,668,305</b>	<b>7,444,221</b>	<b>5,201,032</b>	<b>12,645,253</b>	

- 1/ Average for FY97.
- 2/ Total BPA Investment for UFT calculations @ 2% growth.
- 3/ Col(A) \* Col(B)
- 4/ Calculated from facilities associated w/contracts, growing @ 1%/year



<b>FPT Contract Detail and Compensation Factor Calculations</b>					
<b>Company</b>	<b>Project</b>	<b>POI</b>	<b>POD</b>	<b>Rate</b>	<b>Contract Number</b>
Cowlitz Co PUD	Priest Rapids		Longview	FPT.3	13520
Cowlitz Co PUD	Swift		Longview	FPT.1	92043
Cowlitz Co PUD	Wanapum		Longview	FPT.1	25
Douglas Co PUD	Nilles Corner		Nilles Corner	FPT.1	90066
Douglas Co PUD	Wells		Columbia	FPT.1	92389
DSI Segment	Intalco	Selkirk	Blaine	FPT.1	94889
Grant Co PUD	Priest Rapids/Wanapum		Columbia	FPT.1	92444
Grant Co PUD	Priest Rapids/Wanapum		Potholes	FPT.1	92444
Grant Co PUD	Priest Rapids/Wanapum		Sand Dunes	FPT.1	92444
Okanogan Co PUD	Wells		East Omak 115	FPT.1	90013
Pacific Northwest Gener	Turlock		John Day	FPT.1	92687
Pacific Northwest Gener	Turlock		Celilo	FPT.1	92687
Pacific Power and Light	Centralia		Load Center	FPT.3	9228
Pacific Power and Light	Clark County PUD	Troutdale	Alcoa	FPT.1	94706
Pacific Power and Light	Clark County PUD	Troutdale	Ross	FPT.1	94706
Pacific Power and Light	Clark County PUD	Troutdale	Sifton	FPT.1	94706
Pacific Power and Light	Clatsop	Troutdale	Clatsop	FPT.3	14612
Pacific Power and Light	Clatsop	Cardwell	Astoria	FPT.3	14612
Pacific Power and Light	Clatsop	St Johns	Tillamook	FPT.3	14612
Pacific Power and Light	Colstrip	Garrison	Flathead	FPT.1	90168
Pacific Power and Light	Colstrip	Garrison	Trumbull	FPT.1	90168
Pacific Power and Light	Colstrip	Garrison	Lion Mt	FPT.1	90168
Pacific Power and Light	Colstrip	Garrison	Buckley	FPT.1	90168
Pacific Power and Light	Colstrip	Garrison	Libby	FPT.1	90168
Pacific Power and Light	Hermiston	McNary	Alvey	FPT.1	94316
Pacific Power and Light	Hermiston	McNary	Buckley	FPT.1	94316
Pacific Power and Light	Kalispell	Hot Springs	Flathead	FPT.3	75342
Pacific Power and Light	Kalispell	Hot Springs	Columbia Falls	FPT.3	75342
Pacific Power and Light	Kalispell	Hot Springs	Kalispell	FPT.3	75342
Pacific Power and Light	Kalispell	Hot Springs	Trumbull	FPT.3	75342
Pacific Power and Light	Kalispell	Hot Springs	Lion Mt	FPT.3	75342
Pacific Power and Light	Libby	Hatwai	Libby	FPT.3	15765
Pacific Power and Light	Middlefork		Hood River	FPT.1	91664
Pacific Power and Light	Midpoint-Medford	LaGrande	Roundup	FPT.1	94333
Pacific Power and Light	Midpoint-Medford	LaGrande	Alvey	FPT.1	94333
Pacific Power and Light	Midpoint-Medford	McNary	Alvey	FPT.1	94333
Pacific Power and Light	Midpoint-Medford	McNary	McNary	FPT.1	94333
Pacific Power and Light	Midpoint-Medford	McNary	Santiam	FPT.1	94333
Pacific Power and Light	Midpoint-Medford	McNary	Albany	FPT.1	94333
Pacific Power and Light	Priest Rapids	Midway	Midway	FPT.1	90100
Pacific Power and Light	Priest Rapids	Midway	Outlook	FPT.1	90100
Pacific Power and Light	PSW(DC)/PPL	Big Eddy	Alvey	FPT.1	94280
Pacific Power and Light	Swift	Woodlawn	Troutdale	FPT.1	92269
Pacific Power and Light	Wanapum		Troutdale	FPT.1	26811
Pacific Power and Light	Widco	Toutdale	Centralia	FPT.1	92325
Pend Orille Co PUD	Bell POI		Usk	FPT.1	93074
Pend Orille Co PUD	Boundary POI		Usk	FPT.1	92488
Pend Orille Co PUD	Box Canyon		Newport	FPT.1	90006
Pend Orille Co PUD	Box Canyon		Sacheen	FPT.1	90006
Pend Orille Co PUD	Box Canyon		Metaline Falls	FPT.1	90006
Pend Orille Co PUD	Box Canyon		Diamond Lake	FPT.1	90006
Pend Orille Co PUD	Box Canyon		Usk	FPT.1	90006
Portland General Electr	Boardman Unit 1	Slatt	John Day	FPT.1	92260
Portland General Electr	WNP-3	Satsop	Keeler	FPT.1	92187
Puget Sound Power and L	WNP-3	Satsop	Maple Valley	FPT.1	92185
Tacoma Public Utilities	Centralia		C W Paul	FPT.1	93276
Tacoma Public Utilities	Eltopia	Ringold	Cowlitz	FPT.1	93276
Tacoma Public Utilities	Main Canal Headworks	Bell	Cowlitz	FPT.1	93276
Tacoma Public Utilities	PEC 66	Glade	Cowlitz	FPT.1	93276
Tacoma Public Utilities	Priest Rapids		Cowlitz	FPT.3	13512

FPT Contract Detail and Compensation Factor Calculations					
Company	Project	POI	POD	Rate	Contract Number
Tacoma Public Utilities	Russell Smith	Scooteney	Cowlitz	FPT.1	94304
Tacoma Public Utilities	Summer Falls	Bell	Cowlitz	FPT.1	93276
Tacoma Public Utilities	NFP	Cowlitz	John Day	FPT.1	93936
Tacoma Public Utilities	Wynoochee	Aberdeen	Cowlitz	FPT.1	93322
Wash Public Power Suppl	Packwood	Lewis	Chehalis	FPT.1	25457
Wash Public Power Suppl	Packwood	Lewis	Morton	FPT.1	25457
Wash Public Power Suppl	Packwood	Lewis	Silver Creek	FPT.1	25457
Wash Public Power Suppl	Packwood		Clark Co	FPT.1	25457
Washington Water Power	WNP-3	Satsop	Westside	FPT.1	92186
Washington Water Power	WWP/NCPA Power Sale	Hatwai	John Day	FPT.1	93072
	Total FPT				
City of Forest Grove	Priest Rapids		Forest Grove	IR	91652
City of Forest Grove	Priest Rapids		Thatcher Junction	IR	91652
City of Forest Grove	Wanapum		Forest Grove	IR	91652
City of Forest Grove	Wanapum		Thatcher Junction	IR	91652
City of McMinnville	Priest Rapids		Carlton	IR	91653
City of McMinnville	Priest Rapids		Windishar	IR	91653
City of McMinnville	Priest Rapids		McMinnville	IR	91653
City of McMinnville	Wanapum		Carlton	IR	91653
City of McMinnville	Wanapum		Windishar	IR	91653
City of McMinnville	Wanapum		McMinnville	IR	91653
City of Milton-Freewater	Priest Rapids		Milton	IR	91655
City of Milton-Freewater	Priest Rapids		Freewater	IR	91655
City of Milton-Freewater	Wanapum		Milton	IR	91655
City of Milton-Freewater	Wanapum		Freewater	IR	91655
Cowlitz Co PUD	CWZ/WAPA (Power Sale)		Cowlitz-John Day	IR	91952
Eugene Water and Electr	Carmen Smith		Willakenzie	IR	91651
Eugene Water and Electr	Priest Rapids		Alvey-Vantage	IR	91651
Eugene Water and Electr	Smith Creek (Idaho)		Bonners-Alvey	IR	91651
Eugene Water and Electr	Wanapum		Alvey	IR	91651
Grays Harbor PUD	Centralia		Aberdeen	IR	94702
Idaho Power Company	Boardman		Slatt-LaGrande	IR	92898
Idaho Power Company	IPC/Azuza (Power Sale)		Slatt-John Day-Celilo	IR	92898
Kittitas County PUD	Priest Rapids		Ellensburg	IR	91845
Kittitas County PUD	Priest Rapids		Jenkins	IR	91845
Kittitas County PUD	Priest Rapids		Jericho	IR	91845
Kittitas County PUD	Priest Rapids		Rosa	IR	91845
Montana Power Company	MPC/LADWP (Colstrip 4)		Noxon-Big Eddy	IR	92465
Portland General Electr	Beaver		Keeler	IR	92273
Portland General Electr	Beaver		Pearl	IR	92273
Portland General Electr	Beaver		Rivergate	IR	92273
Portland General Electr	Boardman		Slatt	IR	92273
Portland General Electr	Centralia		Load Center	IR	92273
Portland General Electr	Colstrip		Garrison-Pearl	IR	92273
Portland General Electr	Coyote Springs		Tacoma-St Johns	IR	92273
Portland General Electr	PGE/PowerEx		Monroe-Trojan	IR	93463
Portland General Electr	PGE/WWP System		McLoughlin	IR	92273
Portland General Electr	Priest Rapids		McLoughlin	IR	92273
Portland General Electr	Rocky Reach		McLoughlin	IR	92273
Portland General Electr	Wanapum		McLoughlin	IR	92273
Portland General Electr	Wells		McLoughlin	IR	92273
Puget Sound Power and L	Centralia		C W Paul-White River	IR	93947
Puget Sound Power and L	Centralia		C W Paul-Christmas Tap	IR	93947
Puget Sound Power and L	Colstrip		Garrison-Christmas Tap	IR	93947
Puget Sound Power and L	Colstrip		Maple Valley	IR	93947
Puget Sound Power and L	MPC (Colstrip 4)		Garrison-Christmas Tap	IR	93947
Puget Sound Power and L	Priest Rapids		Maple Valley	IR	13439
Puget Sound Power and L	PSPL/PG+E (NFP)		Christmas Tap-John Day	IR	93947
Puget Sound Power and L	PSPL/PG+E (NFP)		Maple Valley-John Day	IR	93947

FPT Contract Detail and Compensation Factor Calculations					
Company	Project	POI	POD	Rate	Contract Number
Puget Sound Power and L	Rock Island		Columbia	IR	92427
Puget Sound Power and L	Rock Island		Rocky Reach	IR	92427
Puget Sound Power and L	Rocky Reach		Monroe	IR	13574
Puget Sound Power and L	Rocky Reach		White River	IR	13574
Puget Sound Power and L	Spokane Waste Plant		Westside-Kitsap	IR	92461
Puget Sound Power and L	The Dalles N Fishway		The Dalles-Maple Valley	IR	92781
Puget Sound Power and L	Vantage/RR		Kitsap	IR	39361
Puget Sound Power and L	Wanapum		Maple Valley	IR	14502
Puget Sound Power and L	Wells		Monroe	IR	45241
Seattle City Light	Boundary		Bothell	IR	91657
Seattle City Light	Boundary		Maple Valley	IR	91657
Seattle City Light	Boundary		Creston	IR	91657
Seattle City Light	Box Canyon		Bothell	IR	91657
Seattle City Light	Box Canyon		Maple Valley	IR	91657
Seattle City Light	Box Canyon		Creston	IR	91657
Seattle City Light	Eltopia		Ringold-Maple Valley	IR	91657
Seattle City Light	High Ross		Creston	IR	92047
Seattle City Light	High Ross		Maple Valley	IR	92047
Seattle City Light	Lucky Peak		LaGrande-Maple Valley	IR	91657
Seattle City Light	Main Canal Headworks		Bell-Maple Valley	IR	91657
Seattle City Light	NCPA/SCL (5x5 Exch)		John Day-Covington	IR	91657
Seattle City Light	Pec66		Glade-Maple Valley	IR	91657
Seattle City Light	Priest Rapids		Maple Valley	IR	91657
Seattle City Light	Rocky Brook		Duckabush-Maple Valley	IR	91657
Seattle City Light	Russell Smith		Scootenev-Maple Valley	IR	91657
Seattle City Light	SCL/NCPA (5x5 Exch)		Covington-John Day	IR	91657
Seattle City Light	SCL/NCPA (Assured Delivery)		Covington-John Day	IR	MOU
Seattle City Light	SCL/PG+E (Capacity)		Covington-John Day	IR	91657
Seattle City Light	Summer Falls		Bell-Maple Valley	IR	91657
Tacoma Public Utilities	TCL/WAPA (Assured Delivery)		Cowlitz-John Day	IR	93322
Washington Water Power	Centralia		C W Paul-Bell	IR	93952
Washington Water Power	Centralia		C W Paul-Westside	IR	93952
Washington Water Power	Colstrip		Garrison-Hatwai	IR	93952
Washington Water Power	WWP/SPP Merger		John Day-Hatwai	IR	93952

Appendix A

			/-----Main Grid-----/						
Demand							Interconnection		
POD	Project	Weight	Terminal 1	Miles	Misc	Terminal 2	Terminal	Transformation	
17.0	17.0	1.00000	1.0	151.5	1.0	1.0	0.5		
77.0	77.0	1.00000		21.4	1.0	1.0	0.5		
21.0	21.0	1.00000	1.0	154.3	1.0	1.0	0.5		
1.8	1.8	1.00000							
4.5	4.5	1.00000						1.0	
92.8	92.8	1.00000	1.0	7.1	1.0	1.0			
119.4	355.9	0.33549						1.0	
65.2	355.9	0.18320	1.0	25.0	1.0	1.0		1.0	
171.3	355.9	0.48131	1.0	25.0	1.0				
0.0	0.0	1.00000		72.0	1.0			1.0	
25.0	50.0	0.50000	1.0	20.0	1.0	1.0			
25.0	50.0	0.50000	1.0	40.0	1.0	1.0			
638.0	638.0	1.00000	1.0	51.0	1.0	1.0	1.0		
9.2	36.7	0.25000	1.0	17.1	1.0	1.0	1.0	1.0	
18.3	36.7	0.50000	1.0	14.5	1.0	1.0	1.0	1.0	
9.2	36.7	0.25000	1.0	8.2	1.0	1.0	1.0	1.0	
5.7	7.0	0.81429	1.0	80.4	1.0	1.0		1.0	
1.3	7.0	0.18571							
0.0	7.0	0.00000							
18.0	140.0	0.12857	1.0	136.8	1.0	1.0			
18.0	140.0	0.12857	1.0	141.5	1.0				
18.0	140.0	0.12857	1.0	126.9	1.0	1.0			
70.0	140.0	0.50000	1.0	414.9	1.0	1.0			
16.0	140.0	0.11429	1.0	172.3	1.0	1.0		1.0	
394.0	464.0	0.84914	1.0	224.9	1.0				
70.0	464.0	0.15086	1.0	70.0	1.0				
3.1	10.0	0.31000	1.0	48.4	1.0	1.0	1.0		
0.8	10.0	0.08000	1.0	59.9	1.0	1.0	2.0	1.0	
0.0	10.0	0.00000							
3.5	10.0	0.35000	1.0	60.0	1.0		1.0		
2.6	10.0	0.26000		40.2	1.0	1.0	1.0		
3.0	3.0	1.00000	1.0	152.9	1.0	1.0	1.0	1.0	
3.2	3.2	1.00000		22.4	1.0	1.0		1.0	
55.0	600.0	0.09167	1.0	39.8	1.0	1.0			
145.0	600.0	0.24167	1.0	259.9	1.0				
241.0	600.0	0.40167	1.0	224.9	1.0				
35.0	600.0	0.05833			1.0			1.0	
40.0	600.0	0.06667	1.0	182.0	1.0	1.0			
84.0	600.0	0.14000	1.0	206.5	1.0	1.0		1.0	
150.0	235.0	0.63830	1.0		1.0				
85.0	235.0	0.36170		22.1	1.0				
200.0	200.0	1.00000	1.0	27.6	1.0				
222.0	222.0	1.00000		28.9	1.0	1.0	0.5		
269.0	269.0	1.00000	1.0	149.0	1.0	1.0	0.5		
17.3	17.3	1.00000	1.0	83.5	1.0	1.0	1.0		
9.0	9.0	1.00000	1.0	37.4	1.0	1.0	1.0		
32.0	32.0	1.00000	1.0	49.0	1.0	0.5	0.5		
16.8	60.4	0.27815							
4.0	60.4	0.06623		7.8					
7.0	60.4	0.11589							
2.6	60.4	0.04305							
30.0	60.4	0.49669	1.0		1.0	1.0		1.0	
75.0	75.0	1.00000	1.0	28.3	1.0	1.0	1.0		
53.7	53.7	1.00000	1.0	101.6	1.0	1.0	2.0		
32.2	32.2	1.00000	1.0	69.4	1.0	1.0	2.0		
107.0	107.0	1.00000	1.0	38.1	1.0				
1.2	1.2	1.00000		155.2	1.0	1.0		1.0	
13.0	13.0	1.00000		237.2	1.0	1.0			
1.3	1.3	1.00000		155.2	1.0	1.0		1.0	
71.1	71.1	1.00000	1.0	128.5	1.0				

			/-----Main Grid-----/						
Demand								Interconnection	
POD	Project	Weight	Terminal 1	Miles	Misc	Terminal 2	Terminal	Transformation	
3.1	3.1	1.00000		128.5	1.0	1.0		1.0	
48.0	48.0	1.00000		237.2	1.0	1.0			
49.3	49.3	1.00000	1.0	130.0	1.0				
12.6	12.6	1.00000	1.0	40.0	1.0	1.0		1.0	
12.3	28.9	0.42561	1.0	17.7	1.0			2.0	
5.2	28.9	0.17993							
2.5	28.9	0.08651							
8.9	28.9	0.30796	1.0		1.0			3.0	
26.9	26.9	1.00000	1.0	284.4	1.0	1.0	1.0		
50.0	50.0	1.00000	1.0	191.1	1.0	1.0	1.0		
0.8									
2.9									
1.0									
3.6									
0.8									
1.1									
1.8									
1.0									
1.3									
2.3									
1.1									
2.0									
2.1									
3.1									
45.0									
95.0									
13.0									
37.0									
17.0									
110.0									
53.0				104.6	1.0	1.0			
8.0				260.0	1.0	1.0			
1.6									
0.9									
0.9									
0.2									
105.0			1.0	302.4	1.0				
270.0									
111.0									
150.0									
349.0									
34.0									
270.0									
240.0									
250.0									
150.0									
131.0									
143.0									
161.0									
169.0									
107.0									
66.0									
255.0									
211.0									
94.0									
5.0									
90.0									
210.0									

Appendix A

Demand		/-----Main Grid-----/						Interconnection
POD	Project	Weight	Terminal 1	Miles	Misc	Terminal 2	Terminal	Transformation
200.0								
200.0								
139.0								
21.0								
22.9								
5.0								
300.0								
5.0								
266.0								
350.6								
350.6								
350.6								
3.4								
3.3								
3.3								
1.2								
100.0								
130.0								
90.0								
13.0								
46.0								
1.3								
71.1								
1.5								
3.1								
60.0								
6.0								
25.0								
48.0								
33.0								
36.0								
35.0								
196.0								
90.0								

Appendix A

/-----Secondary System-----/							
Interconnection Terminal	Intermediate Terminal 1	Miles	Intermediate Terminal 2	Priest Rapids	Compensation Factors (POD \$/kW-yr)		
					Unconstrained	Current	Proposed
				-0.1570	8.960	7.050	10.390
					3.450	3.510	4.000
					9.230	9.870	10.670
		12.4			4.280	3.590	4.950
1.0					4.410	4.970	5.100
					3.110	3.200	3.590
1.0					1.480	1.670	1.710
1.0					1.510	1.640	1.750
					1.650	1.700	1.900
1.0					9.320	10.130	10.780
					1.810	1.880	2.100
					2.220	2.330	2.560
					5.240	3.970	6.060
1.0					2.070	2.220	2.390
1.0					4.090	4.390	4.730
1.0					1.980	2.120	2.290
					8.010	5.950	9.260
1.0	1.0	57.9			4.100	2.440	4.750
1.0	1.0	67.3	1.00		0.000	0.000	0.000
					1.070	1.150	1.240
					1.040	1.120	1.210
					1.020	1.090	1.180
					9.780	10.650	11.320
	1.0	12.3			2.200	2.250	2.540
					9.750	10.530	11.290
					0.790	0.830	0.910
					1.590	1.200	1.840
	1.0	8.2	1.00		1.240	0.850	1.430
					0.000	0.000	0.000
					1.820	1.390	2.100
					1.140	0.860	1.320
	1.0	12.3			18.830	13.400	21.780
1.0		24.6	1.00		17.670	16.850	20.450
					0.410	0.430	0.470
					3.120	3.370	3.610
					4.610	4.980	5.340
1.0					0.370	0.400	0.430
1.0	1.0				0.820	0.870	0.950
1.0					2.180	2.380	2.520
					1.540	1.540	1.780
					1.050	1.060	1.210
					3.520	3.650	4.080
					3.760	3.840	4.350
					9.010	9.630	10.430
					6.550	6.870	7.580
					4.690	4.820	5.430
					4.770	4.970	5.520
	1.0	2.1			0.610	0.540	0.700
	1.0	13.9	1.00		0.530	0.470	0.620
					0.000	0.000	0.000
		8.3	1.00		0.190	0.160	0.220
	1.0	13.9	1.00		7.110	6.880	8.220
					4.320	4.420	5.000
					7.640	7.950	8.840
					6.340	6.520	7.340
					3.950	4.110	4.570
	1.0	7.8			16.600	17.170	19.200
					11.980	12.950	13.860
	1.0	12.0			18.040	18.380	20.880
				-0.2370	7.360	5.750	8.550







Appendix A

Project Demand Charges (\$/kW-mo)			Revenues (\$000/5yr average)		
Unconstrained	Current Rates	Proposed Rates	Unconstrained	Current Rates	Proposed Rates
0.747	0.588	0.866	152	120	177
0.288	0.293	0.333	266	271	308
0.769	0.823	0.889	194	207	224
0.357	0.299	0.413	8	6	9
0.368	0.414	0.425	20	22	23
0.259	0.267	0.299	288	297	333
0.387	0.418	0.447	1,653	1,785	1,909
0.777	0.844	0.898	0	0	0
			0	0	0
0.336	0.351	0.388	202	211	233
0.437	0.331	0.505	3,346	2,534	3,866
0.678	0.728	0.784	298	320	345
1.009	0.699	1.168	85	59	98
1.259	1.355	1.458	2,115	2,276	2,449
0.878	0.947	1.017	4,889	5,273	5,663
0.483	0.358	0.558	58	43	67
1.569	1.117	1.815	56	40	65
1.473	1.404	1.704	57	54	65
			0	0	0
			0	0	0
			0	0	0
			0	0	0
			0	0	0
0.959	1.036	1.110	6,905	7,459	7,992
			0	0	0
0.216	0.217	0.249	609	612	702
0.293	0.304	0.340	703	730	816
0.313	0.320	0.363	834	852	967
0.751	0.803	0.869	2,424	2,592	2,805
0.546	0.573	0.632	113	119	131
0.391	0.402	0.453	42	43	49
0.398	0.414	0.460	153	159	177
0.703	0.671	0.813	510	486	589
0.360	0.368	0.417	324	331	375
0.637	0.663	0.737	410	427	475
0.528	0.543	0.612	204	210	236
0.329	0.343	0.381	422	440	489
1.383	1.431	1.600	20	21	23
0.998	1.079	1.155	156	168	180
1.503	1.532	1.740	23	24	27
0.613	0.479	0.713	523	409	608





Appendix A

				Interconnection		Interconnection	Intermediate
Terminal 1	Miles	Misc	Terminal 2	Terminal	Transformation	Terminal	Terminal 1
17.0	2575.5	17.0	17.0	8.5			
	1647.8	77.0	77.0	38.5			
21.0	3240.3	21.0	21.0	10.5			
					4.5	4.5	
92.8	658.9	92.8	92.8				
					119.4	119.4	
65.2	1630.0	65.2	65.2		65.2	65.2	
171.3	4282.5	171.3					
25.0	500.0	25.0	25.0				
25.0	1000.0	25.0	25.0				
638.0	32538.0	638.0	638.0	638.0			
9.2	156.8	9.2	9.2	9.2	9.2	9.2	
18.3	265.8	18.3	18.3	18.3	18.3	18.3	
9.2	75.2	9.2	9.2	9.2	9.2	9.2	
5.7	458.3	5.7	5.7		5.7		
						1.3	1.3
18.0	2462.4	18.0	18.0				
18.0	2547.0	18.0					
18.0	2284.2	18.0	18.0				
70.0	29043.0	70.0	70.0				
16.0	2756.8	16.0	16.0		16.0		16.0
394.0	88610.6	394.0					
70.0	4900.0	70.0					
3.1	150.0	3.1	3.1	3.1			
0.8	47.9	0.8	0.8	1.6	0.8		0.8
3.5	210.0	3.5		3.5			
	104.5	2.6	2.6	2.6			
3.0	458.7	3.0	3.0	3.0	3.0		3.0
	71.7	3.2	3.2		3.2	3.2	
55.0	2189.0	55.0	55.0				
145.0	37685.5	145.0					
241.0	54200.9	241.0					
		35.0			35.0	35.0	
40.0	7280.0	40.0	40.0			40.0	40.0
84.0	17346.0	84.0	84.0		84.0	84.0	
150.0		150.0					
	1878.5	85.0					
200.0	5520.0	200.0					
	6415.8	222.0	222.0	111.0			
269.0	40081.0	269.0	269.0	134.5			
17.3	1444.6	17.3	17.3	17.3			
9.0	336.6	9.0	9.0	9.0			
32.0	1568.0	32.0	16.0	16.0			
							16.8
	31.2						4.0
30.0		30.0	30.0		30.0		30.0
75.0	2122.5	75.0	75.0	75.0			
53.7	5455.9	53.7	53.7	107.4			
32.2	2234.7	32.2	32.2	64.4			
107.0	4076.7	107.0					
	186.2	1.2	1.2		1.2		1.2
	3083.6	13.0	13.0				
	201.8	1.3	1.3		1.3		1.3
71.1	9136.4	71.1					





	Intermediate	
Miles	Terminal 2	
22.3		
75.3		
196.8		
6.6	0.8	
36.9		
78.7	3.2	
35.3		
55.6	4.0	
21.6	2.6	
417.0	30.0	
9.4		
15.6		







CMR Calculations												
	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97
<b>Seattle (energy)</b>												
BPA FIRM CONTRACT	204.8	229.6	239.2	252.2	230.7	235.5	213.7	191.2	180.5	178.1	176.1	177.6
CSPE	28.3	33.3	33.3	33.3	33.3	33.3	32.3	27.4	27.4	27.4	27.4	27.4
<b>Seattle (Peak)</b>												
BPA CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	58.0	58.0	58.0	58.0	58.0	58.0	56.2	56.2	56.2	56.2	56.2	56.2
BPA (SUP-CAP)	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9
<b>Estimated CMR</b>	<b>204.8</b>	<b>229.6</b>	<b>239.2</b>	<b>252.2</b>	<b>230.7</b>	<b>235.5</b>	<b>213.7</b>	<b>191.2</b>	<b>180.5</b>	<b>178.1</b>	<b>176.1</b>	<b>177.6</b>
<b>Tacoma (energy)</b>												
BPA FIRM TRANSFER	244.7	279.8	300.4	303.1	288.7	277.4	256.4	234.6	217.9	215.9	245.7	248.3
CSPE	35.7	30.3	30.3	30.3	30.3	30.3	29.4	29.4	29.4	29.4	29.4	29.4
<b>Tacoma (Peak)</b>												
BPA FIRM CONTRACT	128.2	167.7	192.5	393.3	324.6	180.6	342.8	535.9	372.1	66.9	149.9	120.8
BPA (SUP-CAP)	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9
CSPE	58.0	58.0	58.0	58.0	58.0	58.0	56.2	56.2	56.2	56.2	56.2	56.2
<b>Estimated CMR</b>	<b>244.7</b>	<b>279.8</b>	<b>300.4</b>	<b>393.3</b>	<b>324.6</b>	<b>277.4</b>	<b>342.8</b>	<b>535.9</b>	<b>372.1</b>	<b>215.9</b>	<b>245.7</b>	<b>248.3</b>
<b>Eugene (energy)</b>												
BPA FIRM CONTRACT	74.5	88.5	96.2	101.6	96.0	88.5	81.0	72.9	66.7	64.3	56.6	57.2
CSPE	12.9	12.9	15.2	15.2	15.2	12.9	12.5	12.5	12.5	12.5	12.5	12.5
<b>Eugene (peak)</b>												
BPA FIRM TRANSFER	65.6	12.4	0.0	0.0	5.5	35.3	68.7	51.6	0.0	12.6	22.3	41.0
CSPE NET TRANSFER	25.3	25.3	25.3	25.3	25.3	25.3	24.5	24.5	24.5	24.5	24.5	24.5
BPA (SUP-CAP)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
<b>Estimated CMR</b>	<b>74.5</b>	<b>88.5</b>	<b>96.2</b>	<b>101.6</b>	<b>96.0</b>	<b>88.5</b>	<b>81.0</b>	<b>72.9</b>	<b>66.7</b>	<b>64.3</b>	<b>56.6</b>	<b>57.2</b>
<b>Chelan (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	2.3	2.7	2.7	2.7	2.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3
<b>Chelan (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	4.6	4.6	4.6	4.6	4.6	4.6	4.5	4.5	4.5	4.5	4.5	4.5
BPA (SUPP-CAP)	6.3	6.3	6.3	6.3	6.3	6.3	5.7	5.7	5.7	5.7	5.7	5.7
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Grant (energy)</b>												
BPA FIRM CONT. (METERED)	6.1	10.1	14.9	13.4	12.0	8.3	6.4	4.5	4.5	4.6	4.2	4.6
BPA FIRM CONT. (COMPUTED)	73.2	71.4	81.1	87.1	80.7	74.0	76.0	84.2	91.6	86.9	96.9	84.3
CSPE	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9	0.9	0.9	1.0
<b>Grant (peak)</b>												
BPA FIRM CONT. (METERED)	11.0	15.8	19.0	19.2	18.1	12.0	9.9	6.9	4.0	4.6	4.2	6.7
BPA FIRM CONT. (COMPUTED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.4	2.4
BPA (SUP-CAP)	20.0	20.0	20.0	20.0	20.0	20.0	19.3	19.3	19.3	19.3	19.3	19.3
<b>Estimated CMR</b>	<b>79.3</b>	<b>81.5</b>	<b>96.0</b>	<b>100.5</b>	<b>92.7</b>	<b>82.3</b>	<b>82.4</b>	<b>88.7</b>	<b>96.1</b>	<b>91.5</b>	<b>101.1</b>	<b>88.9</b>

	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97	Aug-97	Sep-97
<b>Snohomish (energy)</b>												
BPA FIRM CONTRACT	481.0	630.6	671.2	728.6	666.4	618.6	562.9	461.0	423.2	404.3	429.9	468.1
CSPE	3.8	3.8	3.8	3.8	3.8	3.8	3.0	3.0	3.0	3.0	3.0	3.5
<b>Snohomish (peak)</b>												
BPA FIRM CONTRACT	829.4	966.0	1092.6	1078.0	1140.8	976.0	945.3	762.4	644.6	492.7	559.6	609.8
BPA (CSPE)	7.3	7.3	7.3	7.3	7.3	7.3	8.0	8.0	8.0	8.0	8.0	8.0
<b>Estimated CMR</b>	<b>829.4</b>	<b>966.0</b>	<b>1092.6</b>	<b>1078.0</b>	<b>1140.8</b>	<b>976.0</b>	<b>945.3</b>	<b>762.4</b>	<b>644.6</b>	<b>492.7</b>	<b>559.6</b>	<b>609.8</b>
<b>Cowlitz (energy)</b>												
BPA FIRM CONTRACT	273.4	273.8	269.0	326.9	264.0	295.8	293.7	275.9	244.8	258.9	256.8	259.1
SP SALE to CWZ	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
CSPE	6.0	6.0	6.0	6.0	6.0	6.0	4.9	4.9	4.9	4.9	4.9	5.8
<b>Cowlitz (peak)</b>												
BPA PSC	351.0	357.4	368.2	417.7	365.4	384.6	420.8	389.1	270.2	271.3	302.6	295.5
SP Sale to CWZ (thru Sep 2000)	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
BPA (CSPE)	13.9	13.9	13.9	13.9	13.9	13.9	13.4	13.4	13.4	13.4	13.4	13.4
BPA (SUPP-CAP)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
<b>Estimated CMR</b>	<b>351.0</b>	<b>357.4</b>	<b>368.2</b>	<b>417.7</b>	<b>365.4</b>	<b>384.6</b>	<b>420.8</b>	<b>389.1</b>	<b>270.2</b>	<b>271.3</b>	<b>302.6</b>	<b>295.5</b>
<b>Douglas (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
<b>Douglas (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
BPA SUP-CAP	5.0	5.0	5.0	5.0	5.0	5.0	4.8	4.8	4.8	4.8	4.8	4.8
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Pend Oreille (energy)</b>												
BPA FIRM CONTRACT	35.3	51.1	45.3	61.3	56.7	44.0	27.7	16.4	11.1	33.4	47.1	42.6
ALBENI ENCR. REPLACEMEN	-3.9	-3.9	-2.8	-2.7	-2.6	-2.3	-2.6	-2.4	-2.0	-2.0	-1.7	-2.5
CSPE	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Pend Oreille (peak)</b>												
BPA FIRM CONTRACT	36.3	51.1	49.3	61.3	56.7	47.0	51.7	40.4	29.1	33.4	48.1	42.6
BPA (CSPE)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
<b>Estimated CMR</b>	<b>36.3</b>	<b>51.1</b>	<b>49.3</b>	<b>61.3</b>	<b>56.7</b>	<b>47.0</b>	<b>51.7</b>	<b>40.4</b>	<b>29.1</b>	<b>33.4</b>	<b>48.1</b>	<b>42.6</b>
<b>Springfield Utility Board</b>												
CAER (aMW)	54.3	63.3	71.6	74.6	67.5	62.8	70.5	73.9	65.0	41.9	42.1	41.5
CPR (MW)	93.3	104.3	115.6	118.6	121.5	111.8	110.5	112.9	89.0	57.9	59.1	67.5
<b>Estimated CMR</b>	<b>93.3</b>	<b>104.3</b>	<b>115.6</b>	<b>118.6</b>	<b>121.5</b>	<b>111.8</b>	<b>110.5</b>	<b>112.9</b>	<b>89.0</b>	<b>57.9</b>	<b>59.1</b>	<b>67.5</b>
<b>Clark Public Utilities</b>												
CAER (aMW)	184.9	180.4	268.2	259.3	222.9	193.9	206.4	169.6	127.6	123.7	21.8	0.0
CPR (MW)	336.9	271.4	395.2	380.3	375.9	333.9	374.4	307.6	208.6	184.7	188.9	19.1
<b>Estimated CMR</b>	<b>336.9</b>	<b>271.4</b>	<b>395.2</b>	<b>380.3</b>	<b>375.9</b>	<b>333.9</b>	<b>374.4</b>	<b>307.6</b>	<b>208.6</b>	<b>184.7</b>	<b>188.9</b>	<b>19.1</b>
<b>Okanogan County PUD</b>												
CAER (aMW)	37.0	49.0	64.0	61.0	54.0	41.0	23.5	22.0	25.0	36.0	31.0	41.0
CPR (MW)	37.0	51.0	69.0	63.0	58.0	41.0	37.0	22.0	25.0	36.0	31.0	41.0
<b>Estimated CMR</b>	<b>37.0</b>	<b>51.0</b>	<b>69.0</b>	<b>63.0</b>	<b>58.0</b>	<b>41.0</b>	<b>37.0</b>	<b>22.0</b>	<b>25.0</b>	<b>36.0</b>	<b>31.0</b>	<b>41.0</b>

CMR Calculations												
	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98
<b>Seattle (energy)</b>												
BPA FIRM CONTRACT	202.8	226.3	234.8	247.9	226.7	231.6	210.0	188.0	177.8	175.3	180.7	182.8
CSPE	27.4	32.3	32.3	32.3	32.3	32.3	28.2	24.0	24.0	24.0	24.0	24.0
<b>Seattle (Peak)</b>												
BPA CONTRACT	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	56.2	56.2	56.2	56.2	56.2	56.2	49.7	49.7	49.7	49.7	49.7	49.7
BPA (SUP-CAP)	1.9	1.9	1.9	1.9	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.7
<b>Estimated CMR</b>	<b>202.8</b>	<b>226.3</b>	<b>234.8</b>	<b>247.9</b>	<b>226.7</b>	<b>231.6</b>	<b>210.0</b>	<b>188.0</b>	<b>177.8</b>	<b>175.3</b>	<b>180.7</b>	<b>182.8</b>
<b>Tacoma (energy)</b>												
BPA FIRM TRANSFER	273.1	310.4	332.1	337.8	321.3	309.1	285.2	261.3	243.1	241.8	242.3	245.3
CSPE	34.6	29.4	29.4	29.4	29.4	29.4	25.7	25.7	25.7	25.7	25.7	25.7
<b>Tacoma (Peak)</b>												
BPA FIRM CONTRACT	249.2	360.7	362.5	573.3	465.6	208.6	401.8	547.9	456.1	370.9	182.9	134.8
BPA (SUP-CAP)	1.9	1.9	1.9	1.9	1.9	1.9	1.7	1.7	1.7	1.7	1.7	1.7
CSPE	56.2	56.2	56.2	56.2	56.2	56.2	49.7	49.7	49.7	49.7	49.7	49.7
<b>Estimated CMR</b>	<b>273.1</b>	<b>360.7</b>	<b>362.5</b>	<b>573.3</b>	<b>465.6</b>	<b>309.1</b>	<b>401.8</b>	<b>547.9</b>	<b>456.1</b>	<b>370.9</b>	<b>242.3</b>	<b>245.3</b>
<b>Eugene (energy)</b>												
BPA FIRM CONTRACT	63.3	74.9	81.2	85.7	81.0	74.7	68.3	61.5	56.3	54.5	60.0	61.0
CSPE	12.5	12.5	14.7	14.7	14.7	12.5	10.9	10.9	10.9	10.9	10.9	10.9
<b>Eugene (peak)</b>												
BPA FIRM TRANSFER	70.6	13.4	0.0	0.0	7.5	36.3	70.7	54.6	0.0	15.6	26.3	46.0
CSPE NET TRANSFER	24.5	24.5	24.5	24.5	24.5	24.5	21.6	21.6	21.6	21.6	21.6	21.6
BPA (SUP-CAP)	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9	0.9	0.9	0.9
<b>Estimated CMR</b>	<b>70.6</b>	<b>74.9</b>	<b>81.2</b>	<b>85.7</b>	<b>81.0</b>	<b>74.7</b>	<b>70.7</b>	<b>61.5</b>	<b>56.3</b>	<b>54.5</b>	<b>60.0</b>	<b>61.0</b>
<b>Chelan (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	2.3	2.6	2.7	2.7	2.6	2.3	2.0	2.0	2.0	2.0	2.0	2.0
<b>Chelan (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	4.5	4.5	4.5	4.5	4.5	4.5	4.0	4.0	4.0	4.0	4.0	4.0
BPA (SUPP-CAP)	5.7	5.7	5.7	5.7	5.7	5.7	5.0	5.0	5.0	5.1	5.1	5.1
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Grant (energy)</b>												
BPA FIRM CONT. (METERED)	6.7	11.1	16.4	14.8	13.2	9.1	7.0	4.9	4.9	5.0	4.6	5.0
BPA FIRM CONT. (COMPUTED)	81.0	78.8	89.2	94.7	88.0	80.7	82.9	91.8	100.1	95.7	106.5	92.8
CSPE	1.0	1.0	1.0	1.0	1.0	1.0	0.8	0.8	0.8	0.8	0.8	0.9
<b>Grant (peak)</b>												
BPA FIRM CONT. (METERED)	12.1	17.4	20.9	21.1	19.9	13.2	10.9	7.6	4.4	5.0	4.6	7.3
BPA FIRM CONT. (COMPUTED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	2.4	2.4	2.4	2.4	2.4	2.4	2.1	2.1	2.1	2.1	2.1	2.1
BPA (SUP-CAP)	19.3	19.3	19.3	19.3	19.3	19.3	16.9	16.9	16.9	16.9	16.9	16.9
<b>Estimated CMR</b>	<b>87.7</b>	<b>89.9</b>	<b>105.6</b>	<b>109.5</b>	<b>101.2</b>	<b>89.8</b>	<b>89.9</b>	<b>96.7</b>	<b>105.0</b>	<b>100.7</b>	<b>111.1</b>	<b>97.8</b>

	Oct-97	Nov-97	Dec-97	Jan-98	Feb-98	Mar-98	Apr-98	May-98	Jun-98	Jul-98	Aug-98	Sep-98
<b>Snohomish (energy)</b>												
BPA FIRM CONTRACT	520.0	670.6	707.2	742.6	680.4	616.6	567.4	472.0	435.2	414.3	441.9	483.1
CSPE	3.5	3.5	3.5	3.5	3.5	3.5	2.4	2.4	2.4	2.4	2.4	2.8
<b>Snohomish (peak)</b>												
BPA FIRM CONTRACT	878.4	1012.0	1134.6	1098.0	1162.8	995.0	964.3	779.4	661.6	505.7	574.6	628.8
BPA (CSPE)	8.0	8.0	8.0	8.0	8.0	8.0	7.8	7.8	7.8	7.8	7.8	7.8
<b>Estimated CMR</b>	<b>878.4</b>	<b>1012.0</b>	<b>1134.6</b>	<b>1098.0</b>	<b>1162.8</b>	<b>995.0</b>	<b>964.3</b>	<b>779.4</b>	<b>661.6</b>	<b>505.7</b>	<b>574.6</b>	<b>628.8</b>
<b>Cowlitz (energy)</b>												
BPA FIRM CONTRACT	285.4	305.8	296.0	338.9	264.0	299.8	296.7	279.9	252.8	210.9	265.3	269.1
SP SALE to CWZ	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
CSPE	5.8	5.8	5.8	5.8	5.8	5.8	4.3	4.3	4.3	4.3	4.3	5.1
<b>Cowlitz (peak)</b>												
BPA PSC	390.0	386.4	384.2	457.7	366.4	391.6	427.8	397.1	327.2	287.3	309.6	352.5
SP Sale to CWZ (thru Sep 2000)	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
BPA (CSPE)	13.4	13.4	13.4	13.4	13.4	13.4	11.8	11.8	11.8	11.8	11.8	11.8
BPA (SUPP-CAP)	1.3	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.1	1.1	1.1	1.1
<b>Estimated CMR</b>	<b>390.0</b>	<b>386.4</b>	<b>384.2</b>	<b>457.7</b>	<b>366.4</b>	<b>391.6</b>	<b>427.8</b>	<b>397.1</b>	<b>327.2</b>	<b>287.3</b>	<b>309.6</b>	<b>352.5</b>
<b>Douglas (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
<b>Douglas (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	1.1	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9	0.9	0.9	0.9
BPA SUP-CAP	4.8	4.8	4.8	4.8	4.8	4.8	4.2	4.2	4.2	4.2	4.2	4.2
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Pend Oreille (energy)</b>												
BPA FIRM CONTRACT	38.3	57.1	47.3	63.3	57.7	46.0	26.7	18.4	12.1	30.4	47.1	43.6
ALBENI ENCR. REPLACEMEN	-3.9	-3.9	-2.8	-2.7	-2.6	-2.3	-2.6	-2.4	-2.0	-2.0	-1.7	-2.5
CSPE	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4
<b>Pend Oreille (peak)</b>												
BPA FIRM CONTRACT	40.3	57.1	52.3	63.3	57.7	51.0	53.7	43.4	31.1	30.4	48.1	43.6
BPA (CSPE)	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.8
<b>Estimated CMR</b>	<b>40.3</b>	<b>57.1</b>	<b>52.3</b>	<b>63.3</b>	<b>57.7</b>	<b>51.0</b>	<b>53.7</b>	<b>43.4</b>	<b>31.1</b>	<b>30.4</b>	<b>48.1</b>	<b>43.6</b>
<b>Springfield Utility Board</b>												
CAER (aMW)	56.3	65.3	73.6	75.6	68.5	63.8	71.5	75.9	66.0	41.9	44.1	43.5
CPR (MW)	96.3	106.3	117.6	120.6	124.5	113.8	112.5	114.9	91.0	58.9	61.1	69.5
<b>Estimated CMR</b>	<b>96.3</b>	<b>106.3</b>	<b>117.6</b>	<b>120.6</b>	<b>124.5</b>	<b>113.8</b>	<b>112.5</b>	<b>114.9</b>	<b>91.0</b>	<b>58.9</b>	<b>61.1</b>	<b>69.5</b>
<b>Clark Public Utilities</b>												
CAER (aMW)	0.0	0.0	13.3	11.4	5.1	0.1	1.9	0.0	0.0	0.0	102.5	108.7
CPR (MW)	144.9	78.4	202.2	185.3	179.9	137.9	176.4	109.6	8.6	0.0	187.9	228.1
<b>Estimated CMR</b>	<b>144.9</b>	<b>78.4</b>	<b>202.2</b>	<b>185.3</b>	<b>179.9</b>	<b>137.9</b>	<b>176.4</b>	<b>109.6</b>	<b>8.6</b>	<b>0.0</b>	<b>187.9</b>	<b>228.1</b>
<b>Okanogan County PUD</b>												
CAER (aMW)	39.0	49.0	64.0	68.0	53.0	43.0	25.0	20.0	23.0	40.0	39.0	42.0
CPR (MW)	39.0	52.0	70.0	68.0	59.0	43.0	34.0	24.0	23.0	40.0	42.0	42.0
<b>Estimated CMR</b>	<b>39.0</b>	<b>52.0</b>	<b>70.0</b>	<b>68.0</b>	<b>59.0</b>	<b>43.0</b>	<b>34.0</b>	<b>24.0</b>	<b>23.0</b>	<b>40.0</b>	<b>42.0</b>	<b>42.0</b>

CMR Calculations												
	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99
<b>Seattle (energy)</b>												
BPA FIRM CONTRACT	208.9	232.7	241.4	254.5	232.9	238.1	216.1	193.5	183.2	180.7	197.9	200.2
CSPE	24.0	28.2	28.2	28.2	28.2	28.2	13.5	11.5	11.5	11.5	11.5	11.5
<b>Seattle (Peak)</b>												
BPA CONTRACT	0.0	0.0	0.0	16.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	49.7	49.7	49.7	49.7	49.7	49.7	23.9	23.9	23.9	23.9	23.9	23.9
BPA (SUP-CAP)	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
<b>Estimated CMR</b>	<b>208.9</b>	<b>232.7</b>	<b>241.4</b>	<b>254.5</b>	<b>232.9</b>	<b>238.1</b>	<b>216.1</b>	<b>193.5</b>	<b>183.2</b>	<b>180.7</b>	<b>197.9</b>	<b>200.2</b>
<b>Tacoma (energy)</b>												
BPA FIRM TRANSFER	270.0	306.6	327.9	328.7	313.0	301.5	278.5	255.5	237.6	238.0	252.2	255.3
CSPE	30.2	25.7	25.7	25.7	25.7	25.7	11.8	11.8	11.8	11.8	11.8	11.8
<b>Tacoma (Peak)</b>												
BPA FIRM CONTRACT	265.2	347.7	494.5	499.3	315.6	231.6	464.8	558.9	469.1	384.9	193.9	158.8
BPA (SUP-CAP)	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
CSPE	49.7	49.7	49.7	49.7	49.7	49.7	23.9	23.9	23.9	23.9	23.9	23.9
<b>Estimated CMR</b>	<b>270.0</b>	<b>347.7</b>	<b>494.5</b>	<b>499.3</b>	<b>315.6</b>	<b>301.5</b>	<b>464.8</b>	<b>558.9</b>	<b>469.1</b>	<b>384.9</b>	<b>252.2</b>	<b>255.3</b>
<b>Eugene (energy)</b>												
BPA FIRM CONTRACT	67.7	79.9	86.7	91.2	86.2	79.5	72.7	65.5	60.3	58.1	65.1	66.1
CSPE	10.9	10.9	12.9	12.9	12.9	10.9	5.2	5.2	5.2	5.2	5.2	5.2
<b>Eugene (peak)</b>												
BPA FIRM TRANSFER	76.6	19.4	0.0	0.0	10.5	40.3	87.7	71.6	14.9	33.6	43.3	62.0
CSPE NET TRANSFER	21.6	21.6	21.6	21.6	21.6	21.6	10.4	10.4	10.4	10.4	10.4	10.4
BPA (SUP-CAP)	0.9	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4
<b>Estimated CMR</b>	<b>76.6</b>	<b>79.9</b>	<b>86.7</b>	<b>91.2</b>	<b>86.2</b>	<b>79.5</b>	<b>87.7</b>	<b>71.6</b>	<b>60.3</b>	<b>58.1</b>	<b>65.1</b>	<b>66.1</b>
<b>Chelan (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	2.0	2.3	2.3	2.3	2.3	2.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>Chelan (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	4.0	4.0	4.0	4.0	4.0	4.0	1.9	1.9	1.9	1.9	1.9	1.9
BPA (SUPP-CAP)	5.1	5.1	5.1	5.1	5.1	5.1	2.7	2.7	2.7	2.7	2.7	2.7
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Grant (energy)</b>												
BPA FIRM CONT. (METERED)	7.3	12.2	18.0	16.2	14.5	10.0	7.7	5.4	5.4	5.5	5.1	5.5
BPA FIRM CONT. (COMPUTED)	89.1	86.8	98.1	103.6	96.0	88.3	90.7	100.4	109.6	103.8	118.8	103.5
CSPE	0.9	0.9	0.9	0.9	0.9	0.9	0.4	0.4	0.4	0.4	0.4	0.4
<b>Grant (peak)</b>												
BPA FIRM CONT. (METERED)	13.3	19.1	23.0	23.2	21.8	14.5	12.0	8.3	4.8	5.5	5.1	8.1
BPA FIRM CONT. (COMPUTED)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.5	38.1	1.1	27.4	5.5
BPA (CSPE)	2.1	2.1	2.1	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	1.0
BPA (SUP-CAP)	16.9	16.9	16.9	16.9	16.9	16.9	8.1	8.1	8.1	8.1	8.1	8.1
<b>Estimated CMR</b>	<b>96.4</b>	<b>99.0</b>	<b>116.1</b>	<b>119.8</b>	<b>110.5</b>	<b>98.3</b>	<b>98.4</b>	<b>105.8</b>	<b>115.0</b>	<b>109.3</b>	<b>123.9</b>	<b>109.0</b>

	Oct-98	Nov-98	Dec-98	Jan-99	Feb-99	Mar-99	Apr-99	May-99	Jun-99	Jul-99	Aug-99	Sep-99
<b>Snohomish (energy)</b>												
BPA FIRM CONTRACT	536.0	688.6	726.2	756.6	694.4	630.6	580.4	484.0	446.2	424.3	451.9	493.1
CSPE	2.8	2.8	2.8	2.8	2.8	2.8	1.2	1.2	1.2	1.2	1.2	1.5
<b>Snohomish (peak)</b>												
BPA FIRM CONTRACT	903.4	1039.0	1164.6	1118.0	1183.8	1015.0	984.3	798.4	679.6	519.7	587.6	643.8
BPA (CSPE)	7.8	7.8	7.8	7.8	7.8	7.8	3.4	3.4	3.4	3.4	3.4	3.4
<b>Estimated CMR</b>	<b>903.4</b>	<b>1039.0</b>	<b>1164.6</b>	<b>1118.0</b>	<b>1183.8</b>	<b>1015.0</b>	<b>984.3</b>	<b>798.4</b>	<b>679.6</b>	<b>519.7</b>	<b>587.6</b>	<b>643.8</b>
<b>Cowlitz (energy)</b>												
BPA FIRM CONTRACT	293.4	303.8	315.0	329.9	274.0	302.8	300.7	284.9	265.8	214.9	273.8	277.1
SP SALE to CWZ	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
CSPE	5.1	5.1	5.1	5.1	5.1	5.1	2.1	2.1	2.1	2.1	2.1	2.4
<b>Cowlitz (peak)</b>												
BPA PSC	414.0	393.4	445.2	399.7	376.4	400.6	442.8	413.1	369.2	303.3	324.6	366.5
SP Sale to CWZ (thru Sep 2000)	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
BPA (CSPE)	11.8	11.8	11.8	11.8	11.8	11.8	5.6	5.6	5.6	5.6	5.6	5.6
BPA (SUPP-CAP)	1.1	1.1	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	0.5
<b>Estimated CMR</b>	<b>414.0</b>	<b>393.4</b>	<b>445.2</b>	<b>399.7</b>	<b>376.4</b>	<b>400.6</b>	<b>442.8</b>	<b>413.1</b>	<b>369.2</b>	<b>303.3</b>	<b>324.6</b>	<b>366.5</b>
<b>Douglas (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
<b>Douglas (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	0.9	0.9	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.5
BPA SUP-CAP	4.2	4.2	4.2	4.2	4.2	4.2	2.0	2.0	2.0	2.0	2.0	2.0
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Pend Oreille (energy)</b>												
BPA FIRM CONTRACT	39.3	58.1	48.3	63.3	58.7	46.0	28.7	20.4	14.1	30.4	48.1	44.6
ALBENI ENCR. REPLACEMEN	-3.9	-3.9	-2.8	-2.7	-2.6	-2.3	-2.6	-2.4	-2.0	-2.0	-1.7	-2.5
CSPE	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.2	0.2
<b>Pend Oreille (peak)</b>												
BPA FIRM CONTRACT	41.3	58.1	52.3	63.3	58.7	52.0	54.7	44.4	32.1	30.4	49.1	44.6
BPA (CSPE)	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
<b>Estimated CMR</b>	<b>41.3</b>	<b>58.1</b>	<b>52.3</b>	<b>63.3</b>	<b>58.7</b>	<b>52.0</b>	<b>54.7</b>	<b>44.4</b>	<b>32.1</b>	<b>30.4</b>	<b>49.1</b>	<b>44.6</b>
<b>Springfield Utility Board</b>												
CAER (aMW)	57.3	67.3	74.6	76.6	69.5	65.8	73.5	77.9	68.0	44.9	46.1	45.5
CPR (MW)	99.3	108.3	119.6	121.6	126.5	116.8	115.5	117.9	93.0	61.9	63.1	72.5
<b>Estimated CMR</b>	<b>99.3</b>	<b>108.3</b>	<b>119.6</b>	<b>121.6</b>	<b>126.5</b>	<b>116.8</b>	<b>115.5</b>	<b>117.9</b>	<b>93.0</b>	<b>61.9</b>	<b>63.1</b>	<b>72.5</b>
<b>Clark Public Utilities</b>												
CAER (aMW)	174.5	243.0	331.8	322.9	278.5	257.5	194.0	158.2	113.2	110.3	112.5	118.7
CPR (MW)	356.9	440.4	565.2	547.3	542.9	500.9	394.4	326.6	224.6	198.7	202.9	244.1
<b>Estimated CMR</b>	<b>356.9</b>	<b>440.4</b>	<b>565.2</b>	<b>547.3</b>	<b>542.9</b>	<b>500.9</b>	<b>394.4</b>	<b>326.6</b>	<b>224.6</b>	<b>198.7</b>	<b>202.9</b>	<b>244.1</b>
<b>Okanogan County PUD</b>												
CAER (aMW)	40.0	51.0	63.0	72.0	59.0	47.0	19.5	12.0	24.0	44.0	41.0	42.0
CPR (MW)	40.0	54.0	72.0	72.0	61.0	47.0	34.0	30.0	28.0	44.0	45.0	42.0
<b>Estimated CMR</b>	<b>40.0</b>	<b>54.0</b>	<b>72.0</b>	<b>72.0</b>	<b>61.0</b>	<b>47.0</b>	<b>34.0</b>	<b>30.0</b>	<b>28.0</b>	<b>44.0</b>	<b>45.0</b>	<b>42.0</b>



CMR Calculations												
	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00
<b>Seattle (energy)</b>												
BPA FIRM CONTRACT	228.3	254.0	263.2	277.6	254.0	260.2	236.2	211.7	200.2	197.9	204.8	207.2
CSPE	11.5	13.5	13.5	13.5	13.5	13.5	13.0	11.0	11.0	11.0	11.5	11.5
<b>Seattle (Peak)</b>												
BPA CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	23.9	23.9	23.9	23.9	23.9	23.9	22.9	22.9	22.9	22.9	23.9	23.9
BPA (SUP-CAP)	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8
<b>Estimated CMR</b>	<b>228.3</b>	<b>254.0</b>	<b>263.2</b>	<b>277.6</b>	<b>254.0</b>	<b>260.2</b>	<b>236.2</b>	<b>211.7</b>	<b>200.2</b>	<b>197.9</b>	<b>204.8</b>	<b>207.2</b>
<b>Tacoma (energy)</b>												
BPA FIRM TRANSFER	280.5	318.0	339.7	340.5	324.2	312.3	288.9	265.0	246.9	246.0	245.8	248.8
CSPE	11.8	13.9	13.9	13.9	13.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8
<b>Tacoma (Peak)</b>												
BPA FIRM CONTRACT	265.2	396.7	430.5	499.3	431.6	186.6	418.8	561.9	468.1	384.9	153.9	166.8
BPA (SUP-CAP)	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8
CSPE	23.9	23.9	23.9	23.9	23.9	23.9	22.9	22.9	22.9	22.9	23.9	23.9
<b>Estimated CMR</b>	<b>280.5</b>	<b>396.7</b>	<b>430.5</b>	<b>499.3</b>	<b>431.6</b>	<b>312.3</b>	<b>418.8</b>	<b>561.9</b>	<b>468.1</b>	<b>384.9</b>	<b>245.8</b>	<b>248.8</b>
<b>Eugene (energy)</b>												
BPA FIRM CONTRACT	73.4	86.3	93.5	98.2	92.7	85.5	78.5	70.8	64.8	62.8	113.7	115.5
CSPE	5.2	5.2	6.2	6.2	6.2	5.2	5.0	5.0	5.0	5.0	5.2	5.2
<b>Eugene (peak)</b>												
BPA FIRM TRANSFER	93.6	36.4	0.0	0.1	26.5	56.3	89.7	73.6	17.9	35.6	100.3	135.0
CSPE NET TRANSFER	10.4	10.4	10.4	10.4	10.4	10.4	10.0	10.0	10.0	10.0	10.4	10.4
BPA (SUP-CAP)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Estimated CMR</b>	<b>93.6</b>	<b>86.3</b>	<b>93.5</b>	<b>98.2</b>	<b>92.7</b>	<b>85.5</b>	<b>89.7</b>	<b>73.6</b>	<b>64.8</b>	<b>62.8</b>	<b>113.7</b>	<b>135.0</b>
<b>Chelan (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	1.0	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0
<b>Chelan (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.9
BPA (SUPP-CAP)	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.7	2.7
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Grant (energy)</b>												
BPA FIRM CONT. (METERED)	8.1	13.4	19.7	17.8	15.9	11.0	8.5	5.9	5.9	6.1	5.6	6.1
BPA FIRM CONT. (COMPUTED)	99.4	96.7	109.1	117.9	109.4	100.5	103.5	114.7	125.2	118.5	118.4	103.4
CSPE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Grant (peak)</b>												
BPA FIRM CONT. (METERED)	14.6	21.0	25.3	25.5	24.0	15.9	13.2	9.1	5.3	6.1	5.6	8.9
BPA FIRM CONT. (COMPUTED)	0.0	0.0	0.0	9.4	27.6	0.0	0.0	33.7	48.6	11.5	37.9	14.7
BPA (CSPE)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
BPA (SUP-CAP)	8.1	8.1	8.1	8.1	8.1	8.1	7.8	7.8	7.8	7.8	8.1	8.1
<b>Estimated CMR</b>	<b>107.5</b>	<b>110.1</b>	<b>128.8</b>	<b>135.7</b>	<b>125.3</b>	<b>111.5</b>	<b>112.0</b>	<b>120.6</b>	<b>131.1</b>	<b>124.6</b>	<b>124.0</b>	<b>109.5</b>

	Oct-99	Nov-99	Dec-99	Jan-00	Feb-00	Mar-00	Apr-00	May-00	Jun-00	Jul-00	Aug-00	Sep-00
<b>Snohomish (energy)</b>												
BPA FIRM CONTRACT	546.0	699.6	736.2	766.6	703.4	639.6	588.4	492.0	453.2	433.3	460.9	503.1
CSPE	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2	1.5
<b>Snohomish (peak)</b>												
BPA FIRM CONTRACT	920.4	1057.0	1182.6	1133.0	1198.8	1030.0	997.3	810.4	689.6	530.7	599.6	657.8
BPA (CSPE)	3.4	3.4	3.4	3.4	3.4	3.4	3.2	3.2	3.2	3.2	3.4	3.4
<b>Estimated CMR</b>	<b>920.4</b>	<b>1057.0</b>	<b>1182.6</b>	<b>1133.0</b>	<b>1198.8</b>	<b>1030.0</b>	<b>997.3</b>	<b>810.4</b>	<b>689.6</b>	<b>530.7</b>	<b>599.6</b>	<b>657.8</b>
<b>Cowlitz (energy)</b>												
BPA FIRM CONTRACT	301.4	323.8	304.0	331.9	278.0	308.8	310.2	286.9	262.8	217.9	264.8	428.1
SP SALE to CWZ	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
CSPE	2.4	2.4	2.4	2.4	2.4	2.4	2.1	2.1	2.1	2.1	2.1	2.4
<b>Cowlitz (peak)</b>												
BPA PSC	428.0	462.4	394.2	409.7	385.4	409.6	444.8	414.1	349.2	305.3	323.6	518.5
SP Sale to CWZ (thru Sep 2000)	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
BPA (CSPE)	5.6	5.6	5.6	5.6	5.6	5.6	4.6	4.6	4.6	4.6	5.6	5.6
BPA (SUPP-CAP)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Estimated CMR</b>	<b>428.0</b>	<b>462.4</b>	<b>394.2</b>	<b>409.7</b>	<b>385.4</b>	<b>409.6</b>	<b>444.8</b>	<b>414.1</b>	<b>349.2</b>	<b>305.3</b>	<b>323.6</b>	<b>518.5</b>
<b>Douglas (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Douglas (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5
BPA SUP-CAP	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Pend Oreille (energy)</b>												
BPA FIRM CONTRACT	43.3	55.1	48.3	64.3	59.7	47.0	27.7	19.4	14.1	30.4	42.1	40.6
ALBENI ENCR. REPLACEMEN	-3.9	-3.9	-2.8	-2.7	-2.6	-2.3	-2.6	-2.4	-2.0	-2.0	-1.7	-2.5
CSPE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Pend Oreille (peak)</b>												
BPA FIRM CONTRACT	43.3	55.1	53.3	64.3	59.7	52.0	55.7	44.4	33.1	30.4	48.1	40.6
BPA (CSPE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Estimated CMR</b>	<b>43.3</b>	<b>55.1</b>	<b>53.3</b>	<b>64.3</b>	<b>59.7</b>	<b>52.0</b>	<b>55.7</b>	<b>44.4</b>	<b>33.1</b>	<b>30.4</b>	<b>48.1</b>	<b>40.6</b>
<b>Springfield Utility Board</b>												
CAER (aMW)	59.3	68.3	76.6	78.6	71.5	67.8	73.5	77.9	68.0	44.9	45.1	45.5
CPR (MW)	101.3	111.3	121.6	124.6	128.5	118.8	117.5	119.9	95.0	62.9	65.1	73.5
<b>Estimated CMR</b>	<b>101.3</b>	<b>111.3</b>	<b>121.6</b>	<b>124.6</b>	<b>128.5</b>	<b>118.8</b>	<b>117.5</b>	<b>119.9</b>	<b>95.0</b>	<b>62.9</b>	<b>65.1</b>	<b>73.5</b>
<b>Clark Public Utilities</b>												
CAER (aMW)	184.5	253.0	342.8	332.9	289.5	267.5	199.0	163.2	118.2	116.3	118.5	124.7
CPR (MW)	372.9	456.4	582.2	564.3	559.9	517.9	403.4	335.6	231.6	206.7	210.9	254.1
<b>Estimated CMR</b>	<b>372.9</b>	<b>456.4</b>	<b>582.2</b>	<b>564.3</b>	<b>559.9</b>	<b>517.9</b>	<b>403.4</b>	<b>335.6</b>	<b>231.6</b>	<b>206.7</b>	<b>210.9</b>	<b>254.1</b>
<b>Okanogan County PUD</b>												
CAER (aMW)	41.0	50.0	65.0	68.0	61.0	50.0	29.5	11.0	21.0	45.0	38.0	41.0
CPR (MW)	41.0	60.0	77.0	71.0	66.0	50.0	43.0	30.0	28.0	45.0	39.0	41.0
<b>Estimated CMR</b>	<b>41.0</b>	<b>60.0</b>	<b>77.0</b>	<b>71.0</b>	<b>66.0</b>	<b>50.0</b>	<b>43.0</b>	<b>30.0</b>	<b>28.0</b>	<b>45.0</b>	<b>39.0</b>	<b>41.0</b>

CMR Calculations												
	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01
<b>Seattle (energy)</b>												
BPA FIRM CONTRACT	236.0	262.3	271.6	285.4	261.2	267.8	243.5	218.7	206.8	204.6	207.7	210.4
CSPE	11.5	13.5	13.5	13.5	13.5	13.5	13.0	11.0	11.0	11.0	11.5	11.5
<b>Seattle (Peak)</b>												
BPA CONTRACT	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	23.9	23.9	23.9	23.9	23.9	23.9	22.9	22.9	22.9	22.9	23.9	23.9
BPA (SUP-CAP)	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8
<b>Estimated CMR</b>	<b>236.0</b>	<b>262.3</b>	<b>271.6</b>	<b>285.4</b>	<b>261.2</b>	<b>267.8</b>	<b>243.5</b>	<b>218.7</b>	<b>206.8</b>	<b>204.6</b>	<b>207.7</b>	<b>210.4</b>
<b>Tacoma (energy)</b>												
BPA FIRM TRANSFER	273.0	309.4	330.1	333.6	317.6	306.3	283.8	260.5	242.7	241.0	249.6	252.6
CSPE	11.8	13.9	13.9	13.9	13.9	11.8	11.8	11.8	11.8	11.8	11.8	11.8
<b>Tacoma (Peak)</b>												
BPA FIRM CONTRACT	226.2	335.7	430.5	441.3	377.6	143.6	376.8	566.9	470.1	63.9	158.9	172.8
BPA (SUP-CAP)	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8
CSPE	23.9	23.9	23.9	23.9	23.9	23.9	22.9	22.9	22.9	22.9	23.9	23.9
<b>Estimated CMR</b>	<b>273.0</b>	<b>335.7</b>	<b>430.5</b>	<b>441.3</b>	<b>377.6</b>	<b>306.3</b>	<b>376.8</b>	<b>566.9</b>	<b>470.1</b>	<b>241.0</b>	<b>249.6</b>	<b>252.6</b>
<b>Eugene (energy)</b>												
BPA FIRM CONTRACT	127.6	150.1	162.7	171.2	161.8	149.7	137.1	124.0	113.7	110.1	114.6	116.4
CSPE	5.2	5.2	6.2	6.2	6.2	5.2	5.0	5.0	5.0	5.0	5.2	5.2
<b>Eugene (peak)</b>												
BPA FIRM TRANSFER	190.6	197.4	179.8	202.1	198.5	189.3	192.7	125.6	69.9	87.6	102.3	137.0
CSPE NET TRANSFER	10.4	10.4	10.4	10.4	10.4	10.4	10.0	10.0	10.0	10.0	10.4	10.4
BPA (SUP-CAP)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Estimated CMR</b>	<b>190.6</b>	<b>197.4</b>	<b>179.8</b>	<b>202.1</b>	<b>198.5</b>	<b>189.3</b>	<b>192.7</b>	<b>125.6</b>	<b>113.7</b>	<b>110.1</b>	<b>114.6</b>	<b>137.0</b>
<b>Chelan (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	1.0	1.1	1.1	1.1	1.0	1.0	0.9	0.9	0.9	0.9	1.0	1.0
<b>Chelan (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	1.9	1.9	1.9	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.9	1.9
BPA (SUPP-CAP)	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.7	2.7
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Grant (energy)</b>												
BPA FIRM CONT. (METERED)	8.9	14.7	21.7	19.6	17.5	12.1	9.3	6.5	6.5	6.7	6.1	6.7
BPA FIRM CONT. (COMPUTED)	99.1	96.3	108.3	114.4	106.3	98.0	100.8	111.8	122.1	116.9	118.9	103.8
CSPE	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Grant (peak)</b>												
BPA FIRM CONT. (METERED)	16.1	23.1	27.8	28.0	26.4	17.5	14.5	10.0	5.8	6.7	6.1	9.7
BPA FIRM CONT. (COMPUTED)	0.0	0.0	0.0	4.9	23.2	0.0	0.0	30.8	47.1	15.9	42.4	19.9
BPA (CSPE)	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
BPA (SUP-CAP)	8.1	8.1	8.1	8.1	8.1	8.1	7.8	7.8	7.8	7.8	8.1	8.1
<b>Estimated CMR</b>	<b>108.0</b>	<b>111.0</b>	<b>130.0</b>	<b>134.0</b>	<b>123.8</b>	<b>110.1</b>	<b>110.1</b>	<b>118.3</b>	<b>128.6</b>	<b>123.6</b>	<b>125.0</b>	<b>110.5</b>

	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	Aug-01	Sep-01
<b>Snohomish (energy)</b>												
BPA FIRM CONTRACT	557.0	710.6	749.2	781.6	719.4	653.6	602.9	505.0	466.2	440.3	466.9	511.1
CSPE	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.2	1.2	1.2	1.2	1.5
<b>Snohomish (peak)</b>												
BPA FIRM CONTRACT	937.4	1075.0	1200.6	1154.0	1221.8	1052.0	1018.3	829.4	707.6	536.7	606.6	666.8
BPA (CSPE)	3.4	3.4	3.4	3.4	3.4	3.4	3.2	3.2	3.2	3.2	3.4	3.4
<b>Estimated CMR</b>	<b>937.4</b>	<b>1075.0</b>	<b>1200.6</b>	<b>1154.0</b>	<b>1221.8</b>	<b>1052.0</b>	<b>1018.3</b>	<b>829.4</b>	<b>707.6</b>	<b>536.7</b>	<b>606.6</b>	<b>666.8</b>
<b>Cowlitz (energy)</b>												
BPA FIRM CONTRACT	453.4	473.8	469.0	464.9	430.0	466.8	462.7	442.9	418.8	394.9	419.8	434.1
SP SALE to CWZ	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
CSPE	2.4	2.4	2.4	2.4	2.4	2.4	2.1	2.1	2.1	2.1	2.1	2.4
<b>Cowlitz (peak)</b>												
BPA PSC	578.0	611.4	605.2	557.7	536.4	559.6	597.8	569.1	456.2	451.3	479.6	524.5
SP Sale to CWZ (thru Sep 2000)	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0	150.0
BPA (CSPE)	5.6	5.6	5.6	5.6	5.6	5.6	4.6	4.6	4.6	4.6	5.6	5.6
BPA (SUPP-CAP)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>Estimated CMR</b>	<b>578.0</b>	<b>611.4</b>	<b>605.2</b>	<b>557.7</b>	<b>536.4</b>	<b>559.6</b>	<b>597.8</b>	<b>569.1</b>	<b>456.2</b>	<b>451.3</b>	<b>479.6</b>	<b>524.5</b>
<b>Douglas (energy)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CSPE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Douglas (peak)</b>												
BPA FIRM CONTRACT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BPA (CSPE)	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.5	0.5
BPA SUP-CAP	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0
<b>Estimated CMR</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Pend Oreille (energy)</b>												
BPA FIRM CONTRACT	36.3	49.1	44.3	63.3	53.7	41.0	21.7	13.4	9.1	29.4	42.1	39.6
ALBENI ENCR. REPLACEMEN	-3.9	-3.9	-2.8	-2.7	-2.6	-2.3	-2.6	-2.4	-2.0	-2.0	-1.7	-2.5
CSPE	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Pend Oreille (peak)</b>												
BPA FIRM CONTRACT	36.3	49.1	47.3	63.3	53.7	46.0	48.7	37.4	26.1	29.4	48.1	39.6
BPA (CSPE)	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
<b>Estimated CMR</b>	<b>36.3</b>	<b>49.1</b>	<b>47.3</b>	<b>63.3</b>	<b>53.7</b>	<b>46.0</b>	<b>48.7</b>	<b>37.4</b>	<b>26.1</b>	<b>29.4</b>	<b>48.1</b>	<b>39.6</b>
<b>Springfield Utility Board</b>												
CAER (aMW)	59.3	69.3	76.6	78.6	71.5	67.8	74.5	78.9	69.0	45.9	46.1	46.5
CPR (MW)	103.3	113.3	123.6	125.6	130.5	120.8	118.5	121.9	96.0	64.9	66.1	75.5
<b>Estimated CMR</b>	<b>103.3</b>	<b>113.3</b>	<b>123.6</b>	<b>125.6</b>	<b>130.5</b>	<b>120.8</b>	<b>118.5</b>	<b>121.9</b>	<b>96.0</b>	<b>64.9</b>	<b>66.1</b>	<b>75.5</b>
<b>Clark Public Utilities</b>												
CAER (aMW)	191.5	260.0	349.8	340.9	296.5	275.5	206.0	170.2	123.2	120.3	122.5	129.7
CPR (MW)	382.9	467.4	593.2	575.3	571.9	530.9	414.4	345.6	239.6	213.7	216.9	261.1
<b>Estimated CMR</b>	<b>382.9</b>	<b>467.4</b>	<b>593.2</b>	<b>575.3</b>	<b>571.9</b>	<b>530.9</b>	<b>414.4</b>	<b>345.6</b>	<b>239.6</b>	<b>213.7</b>	<b>216.9</b>	<b>261.1</b>
<b>Okanogan County PUD</b>												
CAER (aMW)	43.0	50.0	63.0	68.0	62.0	50.0	29.0	14.0	31.0	41.0	38.0	41.0
CPR (MW)	43.0	60.0	78.0	71.0	66.0	50.0	39.0	31.0	31.0	41.0	39.0	41.0
<b>Estimated CMR</b>	<b>43.0</b>	<b>60.0</b>	<b>78.0</b>	<b>71.0</b>	<b>66.0</b>	<b>50.0</b>	<b>39.0</b>	<b>31.0</b>	<b>31.0</b>	<b>41.0</b>	<b>39.0</b>	<b>41.0</b>

**Coincidental Peak Factor Calculations for the Scheduling Publics**

<b>Coinc Pk</b>	<b>Oct90</b>	<b>Nov90</b>	<b>Dec90</b>	<b>Jan91</b>	<b>Feb91</b>	<b>Mar91</b>	<b>Apr91</b>	<b>May91</b>	<b>Jun91</b>	<b>Jul91</b>	<b>Aug91</b>	<b>Sep91</b>
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0	0	0
EWEB	231	231	230	289	195	284	256	216	172	146	164	180
SCL	0	0	0	80	30	0	0	0	0	0	20	0
TCL	317	145	334	335	294	217	267	209	205	205	235	250
PendOreille	19	17	25	29	21	0	16	0	0	4	9	14
Cowlitz	381	419	452	457	491	478	486	419	441	405	421	451
Snohomish	680	720	745	900	620	850	860	570	585	460	440	505
<b>Total</b>	<b>1628</b>	<b>1532</b>	<b>1786</b>	<b>2090</b>	<b>1651</b>	<b>1829</b>	<b>1885</b>	<b>1414</b>	<b>1403</b>	<b>1220</b>	<b>1289</b>	<b>1400</b>

<b>Billing Energy</b>	<b>Oct90</b>	<b>Nov90</b>	<b>Dec90</b>	<b>Jan91</b>	<b>Feb91</b>	<b>Mar91</b>	<b>Apr91</b>	<b>May91</b>	<b>Jun91</b>	<b>Jul91</b>	<b>Aug91</b>	<b>Sep91</b>
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	7	0	10	4	0	0	0	0	0	0	0	4
EWEB	183	193	277	259	102	145	173	151	125	117	154	179
SCL	241	116	293	271	105	17	167	37	8	72	190	225
TCL	317	223	251	327	144	252	317	259	231	255	315	311
PendOreille	21	18	31	36	26	23	13	4	4	7	18	21
Cowlitz	413	444	444	467	484	459	469	432	429	417	443	428
Snohomish	514	553	772	742	579	662	601	467	425	354	359	441
<b>Total</b>	<b>1696</b>	<b>1547</b>	<b>2078</b>	<b>2106</b>	<b>1440</b>	<b>1558</b>	<b>1740</b>	<b>1350</b>	<b>1222</b>	<b>1222</b>	<b>1479</b>	<b>1609</b>

<b>Coinc Factor (CP/BNRG)</b>	<b>Oct90</b>	<b>Nov90</b>	<b>Dec90</b>	<b>Jan91</b>	<b>Feb91</b>	<b>Mar91</b>	<b>Apr91</b>	<b>May91</b>	<b>Jun91</b>	<b>Jul91</b>	<b>Aug91</b>	<b>Sep91</b>
Douglas	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Grant	0.000	#DIV/0!	0.000	0.000	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	0.000
EWEB	1.262	1.197	0.830	1.116	1.912	1.959	1.480	1.430	1.376	1.248	1.065	1.006
SCL	0.000	0.000	0.000	0.295	0.286	0.000	0.000	0.000	0.000	0.000	0.105	0.000
TCL	1.000	0.650	1.331	1.024	2.042	0.861	0.842	0.807	0.887	0.804	0.746	0.804
PendOreille	0.905	0.944	0.806	0.806	0.808	0.000	1.231	0.000	0.000	0.571	0.500	0.667
Cowlitz	0.923	0.944	1.018	0.979	1.014	1.041	1.036	0.970	1.028	0.971	0.950	1.054
Snohomish	1.323	1.302	0.965	1.213	1.071	1.284	1.431	1.221	1.376	1.299	1.226	1.145
<b>Total</b>	<b>0.960</b>	<b>0.990</b>	<b>0.859</b>	<b>0.992</b>	<b>1.147</b>	<b>1.174</b>	<b>1.083</b>	<b>1.047</b>	<b>1.148</b>	<b>0.998</b>	<b>0.872</b>	<b>0.870</b>

<b>Coinc Pk</b>	<b>Oct91</b>	<b>Nov91</b>	<b>Dec91</b>	<b>Jan92</b>	<b>Feb92</b>	<b>Mar92</b>	<b>Apr92</b>	<b>May92</b>	<b>Jun92</b>	<b>Jul92</b>	<b>Aug92</b>	<b>Sep92</b>
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0	0	0
EWEB	289	288	215	215	206	206	203	185	190	188	206	205
SCL	25	130	160	160	80	50	0	0	95	0	70	70
TCL	290	310	290	291	250	211	261	189	192	192	238	262
PendOreille	19	19	40	40	34	40	0	9	5	17	29	20
Cowlitz	454	504	504	520	521	533	533	456	471	465	460	446
Snohomish	805	730	730	720	730	660	560	510	450	440	425	400
<b>Total</b>	<b>1,882</b>	<b>1,981</b>	<b>1,939</b>	<b>1,946</b>	<b>1,821</b>	<b>1,700</b>	<b>1,557</b>	<b>1,349</b>	<b>1,403</b>	<b>1,302</b>	<b>1,428</b>	<b>1,403</b>

Billing Energy	Oct91	Nov91	Dec91	Jan92	Feb92	Mar92	Apr92	May92	Jun92	Jul92	Aug92	Sep92
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	25	8	30	60	40	38	28	0	13	5	22	29
EWEB	192	222	238	243	228	126	177	141	137	176	200	193
SCL	251	287	269	220	132	90	260	0	173	245	223	219
TCL	311	340	330	341	319	203	311	289	203	258	288	282
PendOreille	22	22	42	42	38	43	30	12	5	19	32	22
Cowlitz	446	488	493	498	483	481	480	451	450	454	460	453
Snohomish	537	586	617	641	617	553	535	412	354	393	402	378
Total	1784	1953	2019	2045	1857	1534	1821	1305	1335	1550	1627	1576

Coinc Factor (CP/BNRG)	Oct-91	Nov-91	Dec-91	Jan-92	Feb-92	Mar-92	Apr-92	May-92	Jun-92	Jul-92	Aug-92	Sep-92
Douglas	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Grant	0.000	0.000	0.000	0.000	0.000	0.000	0.000	#DIV/0!	0.000	0.000	0.000	0.000
EWEB	1.505	1.297	0.903	0.885	0.904	1.635	1.147	1.312	1.387	1.068	1.030	1.062
SCL	0.100	0.453	0.595	0.727	0.606	0.556	0.000	#DIV/0!	0.549	0.000	0.314	0.320
TCL	0.932	0.912	0.879	0.853	0.784	1.039	0.839	0.654	0.946	0.744	0.826	0.929
PendOreille	0.864	0.864	0.952	0.952	0.895	0.930	0.000	0.750	1.000	0.895	0.906	0.909
Cowlitz	1.018	1.033	1.022	1.044	1.079	1.108	1.110	1.011	1.047	1.024	1.000	0.985
Snohomish	1.499	1.246	1.183	1.123	1.183	1.193	1.047	1.238	1.271	1.120	1.057	1.058
Total	1.055	1.014	0.960	0.952	0.981	1.108	0.855	1.034	1.051	0.840	0.878	0.890

Coinc Pk	Oct92	Nov92	Dec92	Jan93	Feb93	Mar93	Apr93	May93	Jun93	Jul93	Aug93	Sep93
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0	0	0
EWEB	205	205	235	340	280	259	262	10	116	199	222	222
SCL	10	0	100	80	120	140	20	0	0	60	80	60
TCL	238	315	310	325	295	287	260	0	55	188	260	225
PendOreille	17	23	42	45	42	40	22	13	2	0	20	30
Cowlitz	485	481	503	530	534	541	532	474	476	476	472	468
Snohomish	540	470	630	805	680	660	600	250	510	400	520	450
Total	1,495	1,494	1,820	2,125	1,951	1,927	1,696	747	1,159	1,323	1,574	1,455

Billing Energy	Oct92	Nov92	Dec92	Jan93	Feb93	Mar93	Apr93	May93	Jun93	Jul93	Aug93	Sep93
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	41	17	60	84	78	0	23	0	0	0	59	25
EWEB	191	240	301	316	293	202	209	61	110	142	175	200
SCL	233	276	327	336	307	214	176	63	65	121	233	250
TCL	288	315	325	329	312	287	289	109	134	190	262	247
PendOreille	20	24	42	47	44	41	25	16	3	0	33	29
Cowlitz	501	490	526	539	550	535	535	511	498	479	455	413
Snohomish	436	483	619	713	674	566	465	373	428	372	434	431
Total	1710	1845	2200	2364	2258	1845	1722	1133	1238	1304	1651	1595

Coinc Factor												
(CP/BNRG)	Oct-92	Nov-92	Dec-92	Jan-93	Feb-93	Mar-93	Apr-93	May-93	Jun-93	Jul-93	Aug-93	Sep-93
Douglas	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Grant	0.000	0.000	0.000	0.000	0.000	#DIV/0!	0.000	#DIV/0!	#DIV/0!	#DIV/0!	0.000	0.000
EWEB	1.073	0.854	0.781	1.076	0.956	1.282	1.254	0.164	1.055	1.401	1.269	1.110
SCL	0.043	0.000	0.306	0.238	0.391	0.654	0.114	0.000	0.000	0.496	0.343	0.240
TCL	0.826	1.000	0.954	0.988	0.946	1.000	0.900	0.000	0.410	0.989	0.992	0.911
PendOreille	0.850	0.958	1.000	0.957	0.955	0.976	0.880	0.813	0.667	#DIV/0!	0.606	1.034
Cowlitz	0.968	0.982	0.956	0.983	0.971	1.011	0.994	0.928	0.956	0.994	1.037	1.133
Snohomish	1.239	0.973	1.018	1.129	1.009	1.166	1.290	0.670	1.192	1.075	1.198	1.044
Total	0.874	0.810	0.827	0.899	0.864	1.044	0.985	0.659	0.936	1.015	0.953	0.912

Coinc Pk	Oct93	Nov93	Dec93	Jan94	Feb94	Mar94	Apr94	May94	Jun94	Jul94	Aug94	Sep94
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0	0	0
EWEB	260	260	275	251	310	274	269	189	171	207	221	243
SCL	0	0	60	60	0	0	0	0	0	0	0	0
TCL	200	220	235	235	235	225	228	185	185	185	250	241
PendOreille	19	29	43	45	43	39	26	14	10	32	31	31
Cowlitz	487	521	524	528	526	541	537	469	481	459	467	475
Snohomish	760	790	790	770	800	620	690	710	510	450	490	500
Total	1,726	1,820	1,927	1,889	1,914	1,699	1,750	1,567	1,357	1,333	1,459	1,490

Billing Energy	Oct93	Nov93	Dec93	Jan94	Feb94	Mar94	Apr94	May94	Jun94	Jul94	Aug94	Sep94
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	44	50	65	82	55	36	39	71	44	93	70	54
EWEB	212	297	306	243	290	232	190	135	146	193	207	180
SCL	238	291	295	207	318	218	227	166	192	261	252	234
TCL	268	301	325	330	317	255	277	254	240	230	230	241
PendOreille	20	31	44	46	44	39	26	15	10	33	33	31
Cowlitz	446	527	541	520	526	525	508	495	481	484	455	469
Snohomish	495	681	744	685	757	633	547	465	458	396	414	398
Total	1723	2178	2320	2113	2307	1938	1814	1601	1571	1690	1661	1607

<b>Coinc Factor</b>												
<b>(CP/BNRG)</b>	<b>Oct-93</b>	<b>Nov-93</b>	<b>Dec-93</b>	<b>Jan-94</b>	<b>Feb-94</b>	<b>Mar-94</b>	<b>Apr-94</b>	<b>May-94</b>	<b>Jun-94</b>	<b>Jul-94</b>	<b>Aug-94</b>	<b>Sep-94</b>
Douglas	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Grant	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
EWEB	1.226	0.875	0.899	1.033	1.069	1.181	1.416	1.400	1.171	1.073	1.068	1.350
SCL	0.000	0.000	0.203	0.290	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TCL	0.746	0.731	0.723	0.712	0.741	0.882	0.823	0.728	0.771	0.804	1.087	1.000
PendOreille	0.950	0.935	0.977	0.978	0.977	1.000	1.000	0.933	1.000	0.970	0.939	1.000
Cowlitz	1.092	0.989	0.969	1.015	1.000	1.030	1.057	0.947	1.000	0.948	1.026	1.013
Snohomish	1.535	1.160	1.062	1.124	1.057	0.979	1.261	1.527	1.114	1.136	1.184	1.256
Total	1.002	0.836	0.831	0.894	0.830	0.877	0.965	0.979	0.864	0.789	0.878	0.927

**4-Year Average CP**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0	0	0
EWEB	246	246	239	274	248	256	248	150	162	185	203	213
SCL	9	33	80	95	58	48	5	0	24	15	43	33
TCL	261	248	292	297	269	235	254	146	159	193	246	245
PendOreille	19	22	38	40	35	30	16	9	4	13	22	24
Cowlitz	452	481	496	509	518	523	522	455	467	451	455	460
Snohomish	696	678	724	799	708	698	678	510	514	438	469	464
Total	1,683	1,707	1,868	2,013	1,834	1,789	1,722	1,269	1,331	1,295	1,438	1,437

**4-Year Avg**

<b>Billing Energy</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	29	19	41	58	43	19	23	18	14	25	38	28
EWEB	195	238	281	265	228	176	187	122	130	157	184	188
SCL	241	243	296	259	216	135	208	67	110	175	225	232
TCL	296	295	308	332	273	249	299	228	202	233	274	270
PendOreille	21	24	40	43	38	37	24	12	6	15	29	26
Cowlitz	452	487	501	506	511	500	498	472	465	459	453	441
Snohomish	496	576	688	695	657	604	537	429	416	379	402	412
Total	1,728	1,881	2,154	2,157	1,966	1,719	1,774	1,347	1,342	1,442	1,605	1,597

**4-Year Weighted Average Coincidence Factor (FY '91 - FY '94)**

<b>Coinc Factor</b>												
<b>(CP/BNRG)</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
Total	0.974	0.907	0.867	0.933	0.933	1.041	0.971	0.942	0.992	0.898	0.896	0.900



modCF's

4-Year Average CP	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	0	0	0	0	0	0	0	0	0	0	0	0
EWEB	246	246	239	274	248	256	248	150	162	185	203	213
SCL	0	0	0	0	0	0	0	0	0	0	0	33
TCL	261	248	292	297	269	235	254	146	159	193	246	245
PendOreille	19	22	38	40	35	30	16	9	4	13	22	24
Cowlitz	452	481	496	509	518	523	522	455	467	451	455	460
Snohomish	696	678	724	799	708	698	678	510	514	438	469	464
Springfield	0	0	0	0	0	0	0	99	106	0	0	17
Total	1,674	1,674	1,788	1,918	1,777	1,741	1,717	1,368	1,413	1,280	1,395	1,454
4-Year Avg Billing Energy	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Douglas	0	0	0	0	0	0	0	0	0	0	0	0
Grant	29	19	41	58	43	19	23	18	14	25	38	28
EWEB	195	238	281	265	228	176	187	122	130	157	184	188
SCL	241	243	296	259	216	135	208	67	110	175	225	232
TCL	296	295	308	332	273	249	299	228	202	233	274	270
PendOreille	21	24	40	43	38	37	24	12	6	15	29	26
Cowlitz	452	487	501	506	511	500	498	472	465	459	453	441
Snohomish	496	576	688	695	657	604	537	429	416	379	402	412
Springfield	23	37	38	44	4	0	0	95	81	36	32	23
Total	1,751	1,918	2,192	2,201	1,970	1,719	1,774	1,442	1,423	1,478	1,637	1,620
new 4 year average												
cp	1,674	1,674	1,788	1,918	1,777	1,741	1,717	1,368	1,413	1,280	1,395	1,454
energy	1,751	1,918	2,192	2,201	1,970	1,719	1,774	1,442	1,423	1,478	1,637	1,620
<b>GenPub CoinFactor</b>												
<b>w/repect to energy</b>	<b>95.589%</b>	<b>87.303%</b>	<b>81.560%</b>	<b>87.119%</b>	<b>90.213%</b>	<b>101.309%</b>	<b>96.773%</b>	<b>94.869%</b>	<b>99.315%</b>	<b>86.599%</b>	<b>85.243%</b>	<b>89.767%</b>

	FY97	FY98	FY99	FY00	FY01	5yr Avg
Firm Wheeling (PSW).....						
IPC/Azusa PS.....	8	8	8	8	8	8
MPC(COL4)/LADWP PS.....	108	108	108	108	108	108
PSW(DC)/PPL.....	197	197	197	197	197	197
PPL/REDDING-WAPA.....	93	93	93	93	93	93
REDDING-WAPA/PPL.....	71	71	71	71	71	71
WWP/+PSW.....	8	0	0	0	0	2
WWP/SPP Merger.....	89	89	89	89	89	89
BPA/WWP RATS ++ISB.....	0	74	74	74	74	59
BPA/WWP RIVERSIDE.....	6	6	6	6	6	6
WWP/NCPA PS.....	49	49	49	49	49	49
SCL/NCPA + Asrd Del.....	2	2	2	2	2	2
TCL/WAPA @ Asrd Del.....	8	8	8	8	8	8
CWZ(LF)/WAPA PS.....	44	44	44	44	44	44
IMB Firm w/PSW.....	0	0	0	0	0	0
	684.3	750.0	750.0	750.0	750.0	736.8
SP Contract Sales (PSW) - MW.....						
Anaheim Capacity Sale (peaking capacity).....	10.0	10.0	10.0	10.0	10.0	10.0
SCE Power Sale (capacity).....	250.0	250.0	250.0	250.0	250.0	250.0
Burbank Power Sale (capacity).....	30.0	30.0	30.0	30.0	30.0	30.0
Glendale Power Sale (capacity).....	15.0	15.0	15.0	15.0	15.0	15.0
Pasadena Power Sale (capacity).....	6.0	6.0	6.0	6.0	6.0	6.0
M-S-R Power Sale (capacity).....	150.0	150.0	125.0	125.0	0.0	110.0
Riverside Capacity Sale (peaking capacity)....	13.4	13.4	13.4	13.4	13.4	13.4
Palo Alto Capacity Sale (peaking capacity)....	5.0	5.0	5.0	5.0	5.0	5.0
Palo Alto Power Sale (capacity).....	5.0	5.0	5.0	5.0	5.0	5.0
Azusa Power Sale (capacity).....	0.5	0.5	0.0	0.0	0.0	0.2
	484.9	484.9	459.4	459.4	334.4	444.6
C/E Exchanges (PSW) - MW.....						
Pasadena [2] C/E Exchange (peaking capacity)..	6.3	6.3	6.3	6.3	6.3	6.3
Anaheim C/E Exchange (peaking capacity).....	10.0	10.0	10.0	10.0	10.0	10.0
Riverside [1] C/E Exchange (peaking capacity)..	9.6	9.6	9.6	9.6	9.6	9.6
Riverside [2] C/E Exchange (peaking capacity)..	31.5	35.7	37.5	37.5	37.5	35.9
Imperial Irrig C/E Exchange (peaking capacity)	25.0	25.0	25.0	25.0	25.0	25.0
M-S-R C/E Exchange (peaking capacity).....	0.0	0.0	25.0	25.0	75.0	25.0
SDG&E C/E Exchange (peaking capacity).....	125.0	0.0	0.0	0.0	0.0	25.0
Vernon Energy Exchange (capacity to BPA).....	20.0	14.0	14.0	14.0	14.0	15.2
Vernon Energy Exchange (capacity to Vernon)...	10.0	7.0	7.0	7.0	7.0	7.6
Azusa Energy Exchange (capacity to BPA).....	7.5	7.5	7.5	7.5	7.5	7.5
Azusa Energy Exchange (capacity to Vernon)....	6.3	6.3	6.3	6.3	6.3	6.3
	251.1	121.3	148.1	148.1	198.1	173.3
GenCo Total MWS.....	736.0	606.2	607.5	607.5	532.5	617.9
Total of MW's.....	1,420.3	1,356.1	1,357.5	1,357.5	1,282.5	1,354.8
GenCo Combined LCD (Appendix B).....	1,038.0	718.0	724.0	724.0	724.0	785.6
Total GenCo LCD and ISb Firm.....	1,722.3	1,468.0	1,474.0	1,474.0	1,474.0	1,522.4
GenCo LCD to Total MW Ratio for Exclusions....	70.9%	84.4%	83.9%	83.9%	73.5%	79.3%
Total aMW for load Factor Calculation.....	1,429.3	1,391.5	1,414.4	1,414.4	1,431.5	1,416.2
Load Factor (aMW/LCD).....	83.02%	94.80%	95.98%	95.98%	97.13%	93.38%



Riverside [1] C/E Exchange (replacement energy)	3.1	3.1	3.1	3.1	3.1	3.1	27.0
Riverside [1] C/E Exchange (exchange energy)...	3.3	3.3	3.3	3.3	3.3	3.3	28.5
Riverside [2] C/E Exchange (peaking energy)....	3.4	4.1	4.1	4.1	4.1	4.0	34.6
Riverside [2] C/E Exchange (replacement energy)	3.7	3.7	4.1	4.1	4.1	3.9	34.5
Riverside [2] C/E Exchange (exchange energy)...	5.9	6.6	7.3	7.3	7.3	6.9	60.4
Imperial Irrig C/E Exchange (peaking energy)...	3.5	3.5	3.5	3.5	3.5	3.5	30.7
Imperial Irrig C/E Exchange(replacement energy)	3.5	3.5	3.5	3.5	3.5	3.5	30.7
Imperial Irrig C/E Exchange (exchange energy)...	7.5	7.4	7.3	7.3	7.3	7.4	64.7
M-S-R C/E Exchange (peaking energy).....	0.0	0.0	7.4	7.4	22.2	7.4	64.8
M-S-R C/E Exchange (replacement energy).....	0.0	0.0	4.9	4.9	12.3	4.4	38.8
M-S-R C/E Exchange (exchange energy).....	0.0	0.0	0.0	0.0	25.2	5.0	44.2
SDG&E C/E Exchange (peaking energy).....	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SDG&E C/E Exchange (replacement energy).....	42.5	0.0	0.0	0.0	0.0	8.5	74.5
SDG&E C/E Exchange (exchange energy).....	20.0	0.0	0.0	0.0	0.0	4.0	35.0
Vernon Energy Exchange (energy to BPA).....	6.8	4.8	0.0	0.0	0.0	2.3	20.1
Vernon Energy Exchange (energy to Vernon).....	9.0	6.3	0.0	0.0	0.0	3.1	26.9
Azusa Energy Exchange (energy to BPA).....	5.6	5.7	0.0	0.0	0.0	2.3	19.7
Azusa Energy Exchange (energy to Vernon).....	3.6	3.7	3.7	3.7	3.7	3.7	32.0
	<b>138.0</b>	<b>62.9</b>	<b>59.6</b>	<b>59.6</b>	<b>107.0</b>	<b>85.4</b>	<b>748.2</b>
GenCo Energy N->S.....	26.8	22.0	23.1	23.1	37.8	26.6	232.7
GenCo Energy S->N.....	111.2	40.9	36.5	36.5	69.1	58.9	515.6
	<b>138.0</b>	<b>62.9</b>	<b>59.6</b>	<b>59.6</b>	<b>107.0</b>	<b>85.4</b>	<b>748.2</b>
GenCo Firm Contracts Total Energy - aMW.....	419.2	381.4	404.3	404.3	421.4	406.1	3557.6
GenCo Exclusions under Firm Contracts.....	608.9	608.9	608.9	608.9	608.9	608.9	5334.0
Total of Bilateral Energy in aMW's.....	1429.3	1391.5	1414.4	1414.4	1431.5	1416.2	12406.1

received by e-mail 4/4/96							
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
	<b>NET</b>	<b>GENERAL</b>	<b>TOTAL</b>	<b>ANNUAL</b>	<b>BPA</b>	<b>REVENUE</b>	<b>FY 1997</b>
	<b>PLANT</b>	<b>PLANT</b>	<b>PLANT</b>	<b>COST</b>	<b>NOR</b>	<b>CREDITS</b>	<b>TOTAL</b>
	-----	-----	-----	-----	-----	-----	-----
1. 500KV SYSTEM							
2. LINES	581,727	91,381	673,108	38,842	50,753		89,595
3. LINES REACTOR & REACTIVE	70,650	11,098	81,748	11,305	6,164		17,469
4. TOTAL	652,377	102,479	754,856	50,147	56,917		107,064
5. TERMINALS	27,313	4,290	31,603	5,462	2,383		7,845
6. CORPS & USBR	35,882	2,808	38,690	2,021	2,917		4,938
7. SWITCHING	110,972	17,432	128,404	19,659	9,682		29,341
8. TRANSFORMATION 500/230	122,078	19,177	141,255	22,757	10,651		33,408
9. 230-345KV SYSTEM							
10. LINES	239,823	37,673	277,496	28,552	20,924		49,476
11. LINES REACTOR & REACTIVE	66,926	10,513	77,439	13,788	5,839		19,627
12. TOTAL	306,749	48,186	354,935	42,340	26,763		69,103
13. TERMINALS	30,775	4,834	35,609	6,439	2,685		9,124
14. CORPS & USBR	25,117	1,966	27,083	1,414	2,042		3,456
15. SWITCHING	36,786	5,779	42,565	7,809	3,209		11,018
16. DIRECT DELIVERY	13,640	2,143	15,783	2,821	1,190		4,011
17. TRANSFORMATION 230/115	144,678	22,727	167,405	30,124	12,623		42,747
18. SECONDARY SYSTEM							
19. LINES	127,307	19,998	147,305	22,481	11,107		33,588
20. LINES REACTIVE	22,656	3,559	26,215	4,983	1,977		6,960
21. TOTAL	149,963	23,557	173,520	27,464	13,084		40,548
22. TERMINALS	49,771	7,818	57,589	10,079	4,342		14,421
23. CORPS & USBR	10,764	842	11,606	606	875		1,481
24. DIRECT DELIVERY	20,600	3,236	23,836	5,404	1,797		7,201
25. 34.5KV FACILITIES							
26. LINES	7,269	1,142	8,411	1,639	634		2,273
28. TOTAL BPA	1,672,971	262,800	1,935,771	232,144	145,960		378,104
27. TOTAL CORPS/USBR	71,763	5,616	77,379	4,041	5,834		9,875
28. TOTAL NETWORK	1,744,734	268,416	2,013,150	236,185	151,794		387,979

	A	B	C	D	E	F	G
	NET	GENERAL	TOTAL	ANNUAL	BPA	REVENUE	FY 1998
	PLANT	PLANT	PLANT	COST	NOR	CREDITS	TOTAL
	-----	-----	-----	-----	-----	-----	-----
1. 500KV SYSTEM							
2. LINES	577,322	102,151	679,473	39,210	49,586		88,796
3. LINES REACTOR & REACTIVE	72,772	12,876	85,648	11,627	6,250		17,877
4. TOTAL	650,094	115,027	765,121	50,837	55,836		106,673
5. TERMINALS	28,494	5,042	33,536	5,606	2,447		8,053
6. CORPS & USBR	35,181	2,752	37,933	2,114	2,768		4,882
7. SWITCHING	112,892	19,975	132,867	20,081	9,696		29,777
8. TRANSFORMATION 500/230	121,990	21,585	143,575	23,091	10,478		33,569
9. 230-345KV SYSTEM							
10. LINES	239,796	42,429	282,225	28,785	20,596		49,381
11. LINES REACTOR & REACTIVE	73,399	12,987	86,386	14,346	6,304		20,650
12. TOTAL	313,195	55,416	368,611	43,131	26,900		70,031
13. TERMINALS	33,510	5,929	39,439	6,682	2,878		9,560
14. CORPS & USBR	24,626	1,926	26,552	1,480	1,938		3,418
15. SWITCHING	38,565	6,824	45,389	8,012	3,312		11,324
16. DIRECT DELIVERY	13,365	2,365	15,730	2,843	1,148		3,991
17. TRANSFORMATION 230/115	146,634	25,945	172,579	30,634	12,594		43,228
18. SECONDARY SYSTEM							
19. LINES	127,400	22,542	149,942	22,601	10,942		33,543
20. LINES REACTIVE	23,764	4,205	27,969	5,110	2,041		7,151
21. TOTAL	151,164	26,747	177,911	27,711	12,983		40,694
22. TERMINALS	52,518	9,292	61,810	10,374	4,511		14,885
23. CORPS & USBR	10,554	826	11,380	634	830		1,464
24. DIRECT DELIVERY	20,185	3,572	23,757	5,435	1,734		7,169
25. 34.5KV FACILITIES							
26. LINES	7,123	1,260	8,383	1,649	612		2,261
28. TOTAL BPA	1,689,729	298,979	1,988,708	236,086	145,129		381,215
27. TOTAL CORPS/USBR	70,361	5,504	75,865	4,228	5,536		9,764
28. TOTAL NETWORK	1,760,090	304,483	2,064,573	240,314	150,665		390,979

	A	B	C	D	E	F	G
	NET	GENERAL	TOTAL	ANNUAL	BPA	REVENUE	FY 1999
	PLANT	PLANT	PLANT	COST	NOR	CREDITS	TOTAL
	-----	-----	-----	-----	-----	-----	-----
1. 500KV SYSTEM							
2. LINES	570,882	113,357	684,239	39,633	50,108		89,741
3. REACTIVE	75,177	14,928	90,105	12,326	6,599		18,925
4. TOTAL	646,059	128,285	774,344	51,959	56,707		108,666
5. LINE TERMINALS	29,532	5,864	35,396	5,924	2,592	-324	8,192
6. CORPS & USBR	34,481	2,696	37,177	2,165	2,723		4,888
7. SWITCHING	114,718	22,779	137,497	21,122	10,069		31,191
8. TRANSFORMATION 500/230	121,700	24,165	145,865	24,128	10,682		34,810
9. 230-345KV SYSTEM							
10. LINES	237,924	47,243	285,167	29,485	20,883	-5,266	45,102
11. REACTIVE	79,591	15,804	95,395	15,380	6,986	-125	22,241
12. TOTAL	317,515	63,047	380,562	44,865	27,869	-5,391	67,343
13. LINE TERMINALS	35,991	7,147	43,138	7,137	3,159	-44	10,252
14. CORPS & USBR	24,136	1,887	26,023	1,515	1,906		3,421
15. SWITCHING	39,435	7,830	47,265	8,426	3,461		11,887
16. INTERCONNECTION TERMINAL	13,070	2,595	15,665	2,952	1,147	-758	3,341
17. TRANSFORMATION 230/115	146,839	29,157	175,996	32,020	12,889	-460	44,449
18. SECONDARY SYSTEM							
19. LINES	127,607	25,338	152,945	23,321	11,200	-1,066	33,455
20. REACTIVE	24,661	4,897	29,558	5,392	2,165	-130	7,427
21. TOTAL	152,268	30,235	182,503	28,713	13,365	-1,196	40,882
22. LINE TERMINALS	54,418	10,806	65,224	10,962	4,776	-83	15,655
23. CORPS & USBR	10,344	809	11,153	649	817		1,466
24. INTERCONNECTION TERMINAL	19,739	3,919	23,658	5,641	1,733	-285	7,089
25. 34.5KV FACILITIES							
26. LINES	6,965	1,383	8,348	1,667	611		2,278
25. TOTAL BPA	1,698,249	337,212	2,035,461	245,516	149,060	-8,541	386,035
26. TOTAL CORPS/USBR	68,961	5,392	74,353	4,329	5,446		9,775
27. TOTAL NETWORK	1,767,210	342,604	2,109,814	249,845	154,506	-8,541	395,810

	A	B	C	D	E	F	G
	NET	GENERAL	TOTAL	ANNUAL	BPA	REVENUE	FY 2000
	PLANT	PLANT	PLANT	COST	NOR	CREDITS	TOTAL
	-----	-----	-----	-----	-----	-----	-----
1. 500KV SYSTEM							
2. LINES	565,199	123,392	688,591	40,324	49,708		90,032
3. REACTIVE	77,024	16,816	93,840	12,937	6,774		19,711
4. TOTAL	642,223	140,208	782,431	53,261	56,482		109,743
5. LINE TERMINALS	30,419	6,641	37,060	6,210	2,675	-324	8,561
6. CORPS & USBR	33,780	2,640	36,420	2,205	2,629		4,834
7. SWITCHING	116,545	25,444	141,989	22,067	10,250		32,317
8. TRANSFORMATION 500/230	121,316	26,485	147,801	25,035	10,670		35,705
9. 230-345KV SYSTEM							
10. LINES	234,824	51,266	286,090	30,170	20,652	-5,266	45,556
11. REACTIVE	85,369	18,637	104,006	16,350	7,508	-125	23,733
12. TOTAL	320,193	69,903	390,096	46,520	28,160	-5,391	69,289
13. LINE TERMINALS	38,841	8,480	47,321	7,597	3,416	-44	10,969
14. CORPS & USBR	23,646	1,848	25,494	1,544	1,840		3,384
15. SWITCHING	40,073	8,749	48,822	8,788	3,524		12,312
16. INTERCONNECTION TERMINAL	12,776	2,789	15,565	3,045	1,124	-758	3,411
17. TRANSFORMATION 230/115	146,561	31,997	178,558	33,219	12,890	-460	45,649
18. SECONDARY SYSTEM							
19. LINES	128,245	27,998	156,243	24,070	11,279	-1,066	34,283
20. REACTIVE	25,496	5,566	31,062	5,652	2,242	-130	7,764
21. TOTAL	153,741	33,564	187,305	29,722	13,521	-1,196	42,047
22. LINE TERMINALS	56,057	12,238	68,295	11,490	4,930	-83	16,337
23. CORPS & USBR	10,134	792	10,926	662	789		1,451
24. INTERCONNECTION TERMINAL	19,296	4,213	23,509	5,819	1,697	-285	7,231
25. 34.5KV FACILITIES							
26. LINES	6,809	1,487	8,296	1,710	599		2,309
25. TOTAL BPA	1,704,850	372,198	2,077,048	254,483	149,938	-8,541	395,880
26. TOTAL CORPS/USBR	67,560	5,280	72,840	4,411	5,258		9,669
27. TOTAL NETWORK	1,772,410	377,478	2,149,888	258,894	155,196	-8,541	405,549



	A	B	C	D	E	F	G
	NET	GENERAL	TOTAL	ANNUAL	BPA	REVENUE	2001
	PLANT	PLANT	PLANT	COST	NOR	CREDITS	TOTAL
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1. 500KV SYSTEM							
2. LINES	564,969	131,443	696,412	41,237	50,115		91,352
3. REACTIVE	78,499	18,263	96,762	13,449	6,963		20,412
4. TOTAL	643,468	149,706	793,174	54,686	57,078		111,764
5. LINE TERMINALS	31,452	7,317	38,769	6,473	2,790	-324	8,939
6. CORPS & USBR	33,080	2,584	35,664	2,251	2,566		4,817
7. SWITCHING	119,825	27,878	147,703	22,983	10,629		33,612
8. TRANSFORMATION 500/230	122,559	28,514	151,073	25,901	10,871		36,772
9. 230-345KV SYSTEM							
10. LINES	232,822	54,167	286,989	30,855	20,652	-5,266	46,241
11. REACTIVE	91,649	21,323	112,972	17,287	8,130	-125	25,292
12. TOTAL	324,471	75,490	399,961	48,142	28,782	-5,391	71,533
13. LINE TERMINALS	43,331	10,081	53,412	8,139	3,844	-44	11,939
14. CORPS & USBR	23,155	1,808	24,963	1,576	1,796		3,372
15. SWITCHING	40,769	9,485	50,254	9,108	3,616		12,724
16. INTERCONNECTION TERMINAL	12,537	2,917	15,454	3,123	1,112	-758	3,477
17. TRANSFORMATION 230/115	146,659	34,121	180,780	34,256	13,009	-460	46,805
18. SECONDARY SYSTEM							
19. LINES	130,171	30,285	160,456	24,852	11,547	-1,066	35,333
20. REACTIVE	26,490	6,163	32,653	5,894	2,350	-130	8,114
21. TOTAL	156,661	36,448	193,109	30,746	13,897	-1,196	43,447
22. LINE TERMINALS	57,818	13,452	71,270	11,968	5,129	-83	17,014
23. CORPS & USBR	9,924	775	10,699	675	770		1,445
24. INTERCONNECTION TERMINAL	18,935	4,405	23,340	5,972	1,680	-285	7,367
25. 34.5KV FACILITIES							
26. LINES	6,682	1,555	8,237	1,751	593		2,344
25. TOTAL BPA	1,725,167	401,369	2,126,536	263,248	153,030	-8,541	407,737
26. TOTAL CORPS/USBR	66,159	5,167	71,326	4,502	5,132		9,634
27. TOTAL NETWORK	1,791,326	406,536	2,197,862	267,750	158,162	-8,541	417,371

<b>FIVE-YEAR AVERAGE</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>
	<b>NET</b>	<b>GENERAL</b>	<b>TOTAL</b>	<b>ANNUAL</b>	<b>BPA</b>	<b>REVENUE</b>	
	<b>PLANT</b>	<b>PLANT</b>	<b>PLANT</b>	<b>COST</b>	<b>NOR</b>	<b>CREDITS</b>	<b>TOTAL</b>
	-----	-----	-----	-----	-----	-----	-----
1. 500KV SYSTEM							
2. LINES	572,020	112,345	684,365	39,849	50,054		89,903
3. REACTIVE	74,824	14,796	89,620	12,329	6,550		18,879
4. TOTAL	646,844	127,141	773,985	52,178	56,604		108,782
5. LINE TERMINALS	29,442	5,831	35,273	5,935	2,577		8,512
6. CORPS & USBR	34,481	2,696	37,177	2,151	2,721		4,872
7. SWITCHING	114,990	22,702	137,692	21,182	10,065		31,247
8. TRANSFORMATION 500/230	121,929	23,985	145,914	24,182	10,670		34,852
9. 230-345KV SYSTEM							
10. LINES	237,038	46,556	283,594	29,569	20,741		50,310
11. REACTIVE	79,387	15,853	95,240	15,430	6,953		22,383
12. TOTAL	316,425	62,409	378,834	44,999	27,694		72,693
13. LINE TERMINALS	36,490	7,294	43,784	7,199	3,196		10,395
14. CORPS & USBR	24,136	1,887	26,023	1,506	1,904		3,410
15. SWITCHING	39,126	7,733	46,859	8,429	3,424		11,853
16. INTERCONNECTION TERMINAL	13,078	2,562	15,640	2,957	1,144		4,101
17. TRANSFORMATION 230/115	146,274	28,789	175,063	32,051	12,801		44,852
18. SECONDARY SYSTEM							
19. LINES	128,146	25,232	153,378	23,465	11,215		34,680
20. REACTIVE	24,613	4,878	29,491	5,406	2,155		7,561
21. TOTAL	152,759	30,110	182,869	28,871	13,370		42,241
22. LINE TERMINALS	54,116	10,721	64,837	10,975	4,738		15,713
23. CORPS & USBR	10,344	809	11,153	645	816		1,461
24. INTERCONNECTION TERMINALS	19,751	3,869	23,620	5,654	1,728		7,382
25. 34.5KV FACILITIES	6,970	1,365	8,335	1,683	610		2,293
26. TOTAL BPA	1,698,194	334,511	2,032,705	246,295	148,621		394,916
27. TOTAL CORPS/USBR	68,961	5,392	74,353	4,302	5,441		9,743
28. TOTAL NETWORK	1,767,155	339,903	2,107,058	250,597	154,062		404,659

### Appendix C Post-97 Delivery Billing Determinants

OY96-97 medium peak loads			whitebook												
cusno	cus_name	units	run_date	Aug-96	Sep-96	Oct-96	Nov-96	Dec-96	Jan-97	Feb-97	Mar-97	Apr-97	May-97	Jun-97	Jul-97
222	cowlitz	MW	1/22/96	561	569	641	686	687	710	673	691	666	636	592	576
238	grant	MW	1/22/96	499	484	446	479	513	539	538	465	458	519	534	505
273	pend oreille	MW	1/22/96	142	145	150	157	168	173	168	165	158	149	141	144
varies	non_gens	MW	1/22/96	4576	4628	5005	5556	6005	6166	6266	5738	5396.5	5093	4760	4698
OY00-01			Aug-00	Sep-00	Oct-00	Nov-00	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01	Jun-01	Jul-01	
222	cowlitz	MW	1/22/96	619	625	692	723	714	730	697	723	705	682	640	622
238	grant	MW	1/22/96	527	509	466	496	529	547	546	473	467	531	548	524
273	pend oreille	MW	1/22/96	144	147	152	159	169	174	170	167	159	149	141	141
varies	non_gens	MW	1/22/96	4774	4844	5221	5744	6170	6326	6447	5922	5569	5281	4931	4856
5 Year Annual Growth rates															
222	cowlitz	(%)		1.99%	1.90%	1.54%	1.06%	0.77%	0.56%	0.70%	0.91%	1.14%	1.41%	1.57%	1.55%
238	grant	(%)		1.10%	1.01%	0.88%	0.70%	0.62%	0.30%	0.30%	0.34%	0.39%	0.46%	0.52%	0.74%
273	pend oreille	(%)		0.28%	0.27%	0.27%	0.25%	0.12%	0.12%	0.24%	0.24%	0.13%	0.00%	0.00%	-0.42%
varies	non_gens	(%)		0.85%	0.92%	0.85%	0.67%	0.54%	0.51%	0.57%	0.63%	0.63%	0.73%	0.71%	0.66%
delivery voltage kW			august	september	october	november	december	january	february	march	april	may	june	july	12cp_kW
222	cowlitz	cp_kW	FY97	24,723	25,012	26,107	25,953	24,987	32,847	24,164	33,810	28,510	32,916	29,343	27,947
238	grant	cp_kW	FY97	10,627	11,787	10,127	33,116	15,568	9,570	8,242	11,076	7,946	14,277	12,096	10,406
273	pend oreille	cp_kW	FY97	27,853	35,417	19,632	26,830	29,113	46,947	55,439	66,912	37,819	33,241	63,694	17,416
varies	non_gens	cp_kW	FY97	1,208,474	1,153,805	1,447,478	1,683,936	1,768,586	1,960,370	1,967,683	1,705,822	1,587,078	1,315,907	1,210,782	1,231,192
	total	cp_kW		1,271,677	1,226,021	1,503,344	1,769,835	1,838,254	2,049,734	2,055,528	1,817,620	1,661,353	1,396,341	1,315,915	1,286,006
222	cowlitz	cp_kW	FY98	25,214	25,486	26,510	26,227	25,180	33,030	24,334	34,118	28,836	33,379	29,804	27,410
238	grant	cp_kW	FY98	10,744	11,906	10,216	33,348	15,664	9,598	8,266	11,114	7,977	14,342	12,159	10,483
273	pend oreille	cp_kW	FY98	27,931	35,514	19,684	26,898	29,148	47,001	55,570	67,073	37,867	33,241	63,694	17,343
varies	non_gens	cp_kW	FY98	1,218,756	1,164,380	1,459,761	1,695,181	1,778,200	1,970,440	1,978,922	1,716,624	1,597,097	1,325,482	1,219,359	1,239,364
	total	cp_kW		1,282,644	1,237,286	1,516,172	1,781,654	1,848,192	2,060,069	2,067,092	1,828,929	1,671,777	1,406,444	1,325,016	1,294,600
222	cowlitz	cp_kW	FY99	25,715	25,969	26,919	26,504	25,375	33,214	24,505	34,428	29,166	33,848	30,272	27,834
238	grant	cp_kW	FY99	10,862	12,027	10,306	33,581	15,760	9,627	8,291	11,152	8,008	14,408	12,222	10,561
273	pend oreille	cp_kW	FY99	28,009	35,612	19,736	26,966	29,182	47,055	55,702	67,235	37,915	33,241	63,694	17,270
varies	non_gens	cp_kW	FY99	1,229,124	1,175,051	1,472,149	1,706,501	1,787,866	1,980,561	1,990,224	1,727,495	1,607,179	1,335,126	1,227,997	1,247,590
	total	cp_kW		1,293,711	1,248,659	1,529,111	1,793,552	1,858,184	2,070,457	2,078,722	1,840,310	1,682,268	1,416,623	1,334,185	1,303,256
222	cowlitz	cp_kW	FY00	26,226	26,461	27,334	26,784	25,572	33,399	24,677	34,741	29,500	34,324	30,748	28,265
238	grant	cp_kW	FY00	10,981	12,149	10,397	33,816	15,858	9,655	8,315	11,190	8,039	14,474	12,285	10,639
273	pend oreille	cp_kW	FY00	28,088	35,709	19,789	27,035	29,217	47,110	55,834	67,397	37,962	33,241	63,694	17,197
varies	non_gens	cp_kW	FY00	1,239,582	1,185,820	1,484,642	1,717,896	1,797,585	1,990,735	2,001,592	1,738,435	1,617,325	1,344,840	1,236,696	1,255,871
	total	cp_kW		1,304,877	1,260,139	1,542,162	1,805,531	1,868,231	2,080,899	2,090,419	1,851,763	1,692,827	1,426,880	1,343,423	1,311,973
222	cowlitz	cp_kW	FY01	26,748	26,963	27,756	27,067	25,770	33,585	24,851	35,057	29,838	34,807	31,231	28,703
238	grant	cp_kW	FY01	11,101	12,272	10,489	34,053	15,955	9,683	8,340	11,228	8,071	14,540	12,349	10,718
273	pend oreille	cp_kW	FY01	28,166	35,807	19,841	27,103	29,252	47,164	55,966	67,560	38,010	33,241	63,694	17,125
varies	non_gens	cp_kW	FY01	1,250,128	1,196,688	1,497,241	1,729,368	1,807,357	2,000,961	2,013,024	1,749,444	1,627,535	1,354,625	1,245,456	1,264,207
	total	cp_kW		1,316,143	1,271,730	1,555,327	1,817,591	1,878,333	2,091,393	2,102,181	1,863,289	1,703,454	1,437,214	1,352,730	1,320,754