

Section 9
Monthly Federal Tables
Loads & Resources
Capacity in Megawatts

Loads & Resources Federal Tables
Monthly OY 2004 – 2013
Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Federal System
PNW Loads and Resources Study
2003 - 2004 Operating Year
1937 Water Year
2002 White Book

9/9/2003

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	174	174	151	169	186	207	207	239	211	190	190	200	192	190
USBR 2002 PSC Sale	227	227	161	96	24	15	15	12	54	222	222	252	240	267
DSI 2002 PSC Sale	31	31	31	762	762	762	762	762	762	762	762	762	762	762
Total Firm Non-Utility Obligations	432	432	343	1028	973	984	983	1013	1027	1174	1174	1214	1194	1219
Transfers Out														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	3529	3529	3488	3897	4266	4638	4820	4659	4262	4052	4052	3926	3726	3726
GPU 2002 PSC Sale	2071	2071	2184	2359	2801	3161	3207	3184	2942	2594	2594	2398	2012	2046
NGP Slice Sale	1276	1266	1213	1178	1265	1335	1385	1379	1329	1221	1275	1309	1329	1309
GPU Slice Sale	2125	2108	2021	1961	2107	2223	2307	2296	2213	2033	2124	2179	2213	2181
IOU 2002 PSC Sale	382	382	382	382	382	382	382	382	382	382	382	382	382	382
Exports	2204	2204	2119	1943	1887	1907	1827	1818	1812	1833	1833	1911	1917	1947
Intra-Regional Transfers (Out)	2560	2560	1614	1114	1331	1385	1159	1115	1005	928	928	756	809	698
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-765	-765	-763	-781	-727	-561	-577	-566	-746	-705	-705	-812	-801	-808
Total Transfers Out	13382	13354	12258	12053	13312	14471	14510	14266	13199	12337	12482	12050	11585	11481
Total Firm Obligations	13814	13786	12602	13081	14285	15455	15493	15280	14226	13511	13656	13264	12780	12700
Hydro Resources														
Regulated Hydro	16119	15984	15222	14708	15841	16802	17381	17183	16497	15243	15913	16378	16686	16568
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-100	-100	-1293	0	0	-207	-4654	-4100	-3247	-2123	-4116	-2774	-1500	-700
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	248	248	248	249	249	250	249	249	250	248	248	248	248	248
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	17012	16889	14915	15701	16801	17518	13620	14091	14320	14213	12890	14736	16320	16877
Other Resources														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	185	185	214	248	304	358	307	263	232	215	215	75	93	159
Intra-Regional Transfers (In)	1538	1538	1620	1535	1535	1478	1288	1288	1288	1038	638	538	538	1288
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Non-Utility Generation	35	35	18	33	42	33	33	33	33	33	33	50	33	30
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	2935	2935	3030	2995	3060	3050	2810	2765	2734	2466	2066	1840	1842	2654
Total Resources	19947	19824	17945	18696	19861	20568	16430	16856	17054	16679	14956	16576	18162	19531
Reserves & Maintenance														
Hydro Reserves	-843	-837	-798	-773	-828	-874	-901	-897	-866	-804	-838	-863	-879	-866
Small Thermal & Misc. Reserves	-3.1	-3.1	-2.3	-3.1	-3.5	-3.2	-3.3	-3.2	-3.2	-3.2	-3.2	-3.8	-3	-2.9
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-352	-362	-313	-334	-361	-399	-312	-312	-318	-313	-286	-333	-375	-360
Federal Transmission Losses	-513	-526	-465	-491	-529	-578	-457	-455	-462	-446	-397	-450	-506	-514
Total Reserves, Maintenance & Losses	-5147	-4661	-4520	-4525	-4599	-3893	-3254	-3723	-3736	-3801	-3501	-3579	-3570	-4700
Total Net Resources	14800	15164	13425	14171	15261	16675	13176	13133	13318	12878	11455	12997	14592	14831
Total Firm Surplus/Deficit	986	1377	823	1090	977	1220	-2317	-2147	-908	-633	-2201	-267	1813	2131

Loads and Resources - Federal System
PNW Loads and Resources Study
2007 - 2008 Operating Year
1937 Water Year
2002 White Book

9/9/2003

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	179	180	159	172	191	210	210	241	214	192	192	202	193	191
USBR 2002 PSC Sale	227	227	161	96	24	15	15	12	54	222	222	252	240	267
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	407	407	320	269	215	225	225	253	268	414	414	454	433	457
Transfers Out														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	3997	3997	3952	4290	4697	5070	5255	5094	4668	4451	4451	4295	4105	4100
GPU 2002 PSC Sale	2295	2295	2526	2677	3078	3497	3458	3422	3209	2768	2768	2513	2151	2249
NGP Slice Sale	1280	1270	1217	1181	1269	1338	1389	1383	1332	1225	1279	1312	1332	1313
GPU Slice Sale	2132	2114	2027	1968	2114	2229	2313	2303	2218	2040	2130	2186	2219	2187
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1512	1512	1503	1464	1412	1435	1432	1421	1415	1434	1408	1458	1464	1475
Intra-Regional Transfers (Out)	588	588	617	683	900	954	928	884	774	747	747	575	628	642
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-871	-871	-884	-868	-799	-615	-626	-614	-814	-763	-763	-871	-870	-885
Total Transfers Out	10933	10906	10959	11395	12671	13908	14149	13892	12801	11901	12020	11467	11030	11082
Total Firm Obligations	11340	11313	11278	11664	12886	14134	14375	14146	13069	12315	12435	11922	11463	11540
Hydro Resources														
Regulated Hydro	16119	15984	15222	14708	15841	16802	17381	17183	16497	15243	15913	16378	16686	16568
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-100	-100	-1293	0	0	0	-4654	-4100	-3018	-2123	-4116	-2743	-1500	-700
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	248	248	248	248	249	249	249	249	249	248	248	248	248	248
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	17012	16889	14915	15700	16801	17724	13620	14091	14547	14213	12890	14767	16320	16877
Other Resources														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	88	88	117	153	206	260	234	190	162	165	165	75	93	109
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1319	1319	1371	1408	1462	1495	1470	1425	1397	1399	1399	1306	1324	1340
Total Resources	18331	18208	16286	17108	18262	19219	15089	15516	15944	15612	14289	16073	17645	18217
Reserves & Maintenance														
Hydro Reserves	-843	-837	-798	-773	-828	-874	-901	-897	-866	-804	-838	-863	-879	-866
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-353	-362	-314	-334	-362	-405	-313	-313	-324	-314	-286	-334	-375	-361
Federal Transmission Losses	-459	-471	-410	-438	-475	-533	-412	-410	-424	-411	-375	-434	-488	-470
Total Reserves, Maintenance & Losses	-5094	-4608	-4467	-4473	-4546	-3854	-3210	-3680	-3706	-3767	-3480	-3563	-3554	-4658
Total Net Resources	13237	13600	11819	12635	13716	15365	11879	11836	12238	11845	10809	12510	14091	13559
Total Firm Surplus/Deficit	1897	2288	540	971	830	1231	-2495	-2310	-830	-470	-1626	588	2628	2019

Loads and Resources - Federal System
PNW Loads and Resources Study
2012 - 2013 Operating Year
1937 Water Year
2002 White Book

9/9/2003

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Non-Utility Obligations														
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	180	180	162	175	195	213	214	243	217	193	193	203	193	190
USBR 2002 PSC Sale	227	227	161	96	24	15	15	12	54	222	222	252	240	267
DSI 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Firm Non-Utility Obligations	408	408	323	271	220	228	229	255	271	416	416	455	432	457
Transfers Out														
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	4292	4292	4254	4598	5009	5439	5591	5444	4983	4734	4734	4594	4401	4405
GPU 2002 PSC Sale	2360	2360	2588	2797	3212	3634	3617	3544	3357	2890	2890	2636	2232	2336
NGP Slice Sale	1280	1270	1217	1181	1269	1338	1389	1383	1332	1224	1279	1235	1255	1313
GPU Slice Sale	2132	2114	2027	1968	2114	2229	2313	2303	2218	2039	2130	2056	2090	2187
IOU 2002 PSC Sale	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Exports	1460	1460	1449	1412	1398	1427	1423	1416	1402	1419	1419	1457	1465	1478
Intra-Regional Transfers (Out)	13	13	42	108	325	379	353	309	199	172	172	0.1	53	67
Supp & Entitlement Capacity (Out)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CSPE To West Group Utilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Federal Diversity	-918	-918	-931	-920	-844	-651	-661	-647	-861	-804	-804	-922	-918	-936
Total Transfers Out	10619	10591	10645	11144	12482	13796	14025	13751	12629	11673	11819	11055	10577	10851
Total Firm Obligations	11027	10999	10968	11415	12702	14024	14254	14005	12899	12089	12235	11510	11009	11307
Hydro Resources														
Regulated Hydro	16119	15984	15222	14708	15841	16802	17381	17183	16497	15243	15913	16378	16686	16568
Independent Hydro	745	757	739	744	711	673	644	760	820	845	845	884	886	762
Sustained Peaking Adjustment	-100	-100	-1293	0	0	0	-4654	-4100	-2809	-1980	-4116	-2625	-1500	-700
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	248	248	248	248	249	249	249	249	249	248	248	248	248	248
Restoration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	17012	16889	14915	15700	16801	17724	13620	14091	14756	14357	12890	14885	16320	16877
Other Resources														
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Renewables	27	27	27	28	29	31	32	31	31	30	30	27	27	27
Cogeneration	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Imports	88	88	117	153	206	260	234	190	162	165	165	75	93	109
Intra-Regional Transfers (In)	0	0	23	23	23	0	0	0	0	0	0	0	0	0
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	0	0	1150
Non-Utility Generation	54	54	54	54	54	54	54	54	54	54	54	54	54	54
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	1319	1319	1371	1408	1462	1495	1470	1425	1397	1399	1399	156	174	1340
Total Resources	18331	18208	16286	17108	18262	19219	15089	15516	16153	15755	14289	15041	16495	18217
Reserves & Maintenance														
Hydro Reserves	-843	-837	-798	-773	-828	-874	-901	-897	-866	-804	-838	-863	-879	-866
Small Thermal & Misc. Reserves	-4	-4	-4	-4.1	-4.1	-4.2	-4.3	-4.2	-4.2	-4.2	-4.2	-4	-4	-4
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	-172	0	0	-172
Federal Hydro Maintenance	-3263	-2761	-2770	-2752	-2705	-1866	-1408	-1883	-1915	-2061	-1805	-1756	-1635	-2785
Spinning Reserves	-353	-362	-314	-334	-362	-405	-313	-313	-329	-317	-286	-302	-341	-361
Federal Transmission Losses	-459	-471	-410	-438	-475	-533	-412	-410	-431	-415	-375	-406	-457	-470
Total Reserves, Maintenance & Losses	-5094	-4608	-4467	-4473	-4546	-3854	-3210	-3680	-3718	-3775	-3480	-3332	-3316	-4658
Total Net Resources	13237	13600	11819	12635	13716	15365	11879	11836	12435	11980	10809	11710	13179	13559
Total Firm Surplus/Deficit	2210	2601	851	1219	1014	1341	-2375	-2169	-464	-109	-1426	200	2170	2252

Section 10
Monthly Regional Tables
Loads & Resources
Capacity in Megawatts

Loads & Resources Regional Tables
Monthly OY 2004 – 2013
Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Pacific Northwest Region
PNW Loads and Resources Study
2003 - 2004 Operating Year
1937 Water Year
2002 White Book

9/9/2003

Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
Regional Firm Loads	26188	26168	24853	26195	29480	31956	33260	31851	29131	27405	27405	26373	26384	27121
Exports	3387	3387	3282	2668	2572	2612	2481	2471	2465	2486	2486	2564	2988	3016
Federal Diversity	-765	-765	-763	-781	-727	-561	-577	-566	-746	-705	-705	-812	-801	-808
Total Firm Regional Loads	28809	28789	27372	28081	31325	34008	35164	33757	30850	29186	29186	28126	28571	29329
Non-Firm Regional Loads														
Regional Non-Firm Loads	288	288	286	251	314	226	325	307	277	306	306	283	329	297
Total Non-Firm Regional Loads	288	288	286	251	314	226	325	307	277	306	306	283	329	297
Total Loads	29097	29077	27657	28333	31640	34234	35489	34064	31128	29493	29493	28409	28900	29626
Hydro Resources														
Regulated Hydro	26883	26797	26200	25447	26495	27352	27302	27132	26777	25680	26413	26494	27548	27448
Independent Hydro	1864	1846	1834	1819	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-100	-100	-1293	0	0	-207	-4654	-4100	-3247	-2123	-4116	-2774	-1500	-700
Total Hydro Resources	28647	28543	26741	27266	28275	28911	24361	24858	25449	25524	24290	25791	28118	28672
Other Resources														
Small Thermal & Misc.	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
Combustion Turbines	3310	3310	3317	2833	3331	3338	3338	3335	3331	2955	2955	1902	2691	3304
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2209	2209	2213	2215	2222	2206	2227	2224	1591	2216	2216	1179	2211	2189
Imports	940	940	869	1183	1619	1699	1632	1620	1260	707	707	491	709	836
Large Thermal	6992	6992	6992	6462	6992	6992	6992	6992	6858	6194	6194	4744	6462	6992
Non-Utility Generation	1360	1360	1311	1223	1179	1152	1135	1164	1196	1348	1348	973	1485	1458
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	14894	14894	14784	14001	15431	15477	15416	15426	14324	13508	13508	9371	13642	14863
Total Resources	43541	43437	41526	41267	43705	44388	39777	40284	39773	39032	37797	35163	41759	43535
Reserves & Maintenance														
Hydro Reserves	-1437	-1432	-1402	-1363	-1414	-1456	-1451	-1448	-1435	-1382	-1420	-1428	-1481	-1469
Small Thermal & Misc. Reserves	-348	-348	-346	-318	-341	-339	-340	-341	-310	-330	-330	-207	-324	-352
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-969	-1049	-1049	-1049	-1049	-1029	-929	-929	-712	-969	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-819	-831	-777	-801	-841	-883	-785	-780	-770	-759	-745	-741	-847	-840
Regional Transmission Losses	-1182	-1197	-1145	-1159	-1244	-1294	-1159	-1152	-1126	-1102	-1068	-995	-1204	-1210
Total Reserves, Maintenance & Losses	-9431	-8889	-8505	-7819	-7823	-7058	-6344	-7055	-7295	-7253	-6976	-6443	-7027	-8639
Total Net Resources	34111	34548	33021	33448	35882	37329	33433	33229	32477	31779	30821	28720	34733	34896
Surplus/Deficits														
Firm Surplus/Deficit	5302	5759	5649	5367	4557	3321	-1732	-528	1627	2593	1635	594	6162	5567
Total Surplus/Deficit	5013	5470	5364	5115	4243	3095	-2056	-835	1350	2286	1329	311	5833	5270

Loads and Resources - Pacific Northwest Region
PNW Loads and Resources Study
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Capacity in Megawatts	Aug1	Aug16	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr1	Apr16	May	Jun	Jul
Firm Regional Loads														
Regional Firm Loads	28273	28273	26631	28053	31516	34382	35648	34177	31293	29416	29416	28445	28324	29147
Exports	1959	1959	1930	1795	1713	1737	1734	1723	1716	1735	1710	1759	1876	1889
Federal Diversity	-871	-871	-884	-868	-799	-615	-626	-614	-814	-763	-763	-871	-870	-885
Total Firm Regional Loads	29362	29362	27677	28979	32430	35504	36756	35285	32194	30388	30363	29332	29331	30151
Non-Firm Regional Loads														
Regional Non-Firm Loads	287	287	286	252	318	220	327	307	291	304	304	282	320	298
Total Non-Firm Regional Loads	287	287	286	252	318	220	327	307	291	304	304	282	320	298
Total Loads	29649	29649	27963	29231	32748	35723	37082	35593	32485	30693	30667	29615	29650	30449
Hydro Resources														
Regulated Hydro	26883	26797	26200	25447	26495	27352	27302	27132	26777	25680	26413	26494	27548	27448
Independent Hydro	1864	1846	1834	1820	1779	1766	1714	1827	1919	1968	1992	2071	2069	1924
Sustained Peaking Adjustment	-100	-100	-1293	0	0	0	-4654	-4100	-3018	-2123	-4116	-2743	-1500	-700
Total Hydro Resources	28647	28543	26741	27267	28275	29118	24361	24858	25678	25524	24290	25822	28117	28672
Other Resources														
Small Thermal & Misc.	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
Combustion Turbines	4240	4240	4247	3769	4267	4274	4274	4271	4267	3241	3241	2552	3627	4240
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2209	2209	2213	2215	2222	2206	2227	2224	1591	2216	2216	1179	2211	2189
Imports	710	710	630	585	715	794	852	840	781	670	670	506	738	812
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6864	6992	6858	3537	6992	6992
Non-Utility Generation	1419	1419	1333	1230	1177	1163	1143	1172	1204	1356	1356	970	1485	1469
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	15654	15654	15498	14876	15462	15519	15579	15589	14796	14562	14428	8827	15136	15786
Total Resources	44301	44197	42240	42142	43736	44637	39940	40448	40474	40086	38718	34649	43254	44458
Reserves & Maintenance														
Hydro Reserves	-1437	-1432	-1402	-1363	-1414	-1456	-1451	-1448	-1435	-1382	-1420	-1428	-1481	-1469
Small Thermal & Misc. Reserves	-398	-398	-394	-365	-388	-387	-387	-388	-358	-345	-345	-239	-370	-399
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1030	-1049	-1029	-531	-1049	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-829	-841	-789	-820	-855	-904	-799	-794	-784	-774	-761	-728	-880	-853
Regional Transmission Losses	-1206	-1221	-1166	-1184	-1243	-1300	-1162	-1155	-1147	-1132	-1095	-984	-1249	-1238
Total Reserves, Maintenance & Losses	-9513	-8972	-8587	-7989	-7882	-7132	-6408	-7119	-7379	-7433	-7133	-6269	-7231	-8727
Total Net Resources	34787	35224	33653	34153	35854	37505	33532	33328	33095	32653	31585	28380	36023	35731
Surplus/Deficits														
Firm Surplus/Deficit	5426	5863	5976	5174	3424	2001	-3224	-1957	900	2264	1222	-952	6692	5580
Total Surplus/Deficit	5138	5576	5690	4922	3106	1782	-3550	-2265	609	1960	918	-1235	6373	5282

Loads and Resources - Pacific Northwest Region
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<i>Capacity in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>
Firm Regional Loads														
Regional Firm Loads	30779	30779	28987	30534	34155	37219	38433	37016	33846	31522	31522	30684	30610	31548
Exports	1841	1841	1810	1722	1680	1708	1704	1697	1683	1700	1700	1738	1827	1842
Federal Diversity	-918	-918	-931	-920	-844	-651	-661	-647	-861	-804	-804	-922	-918	-936
Total Firm Regional Loads	31703	31703	29865	31336	34990	38276	39477	38066	34668	32418	32418	31500	31518	32454
Non-Firm Regional Loads														
Regional Non-Firm Loads	288	288	285	244	322	257	326	297	302	310	310	256	318	298
Total Non-Firm Regional Loads	288	288	285	244	322	257	326	297	302	310	310	256	318	298
Total Loads	31991	31991	30151	31580	35312	38533	39803	38364	34969	32729	32729	31756	31836	32752
Hydro Resources														
Regulated Hydro	26883	26797	26200	25447	26495	27352	27302	27132	26777	25680	26413	26494	27548	27448
Independent Hydro	1864	1846	1834	1820	1780	1766	1714	1827	1919	1968	1993	2071	2069	1924
Sustained Peaking Adjustment	-100	-100	-1293	0	0	0	-4654	-4100	-2809	-1980	-4116	-2625	-1500	-700
Total Hydro Resources	28647	28543	26741	27267	28275	29118	24361	24858	25887	25668	24290	25941	28118	28672
Other Resources														
Small Thermal & Misc.	0	0	0	0	2.8	2.8	2.8	2.8	0	0	0	0	0	0
Combustion Turbines	4240	4240	4247	3769	4267	4274	4274	4271	4267	3241	3241	2552	3627	4240
Renewables	84	84	84	85	86	88	89	88	88	87	87	84	84	84
Cogeneration	2209	2209	2213	2215	2222	2206	2227	2224	1591	2216	2216	1179	2211	2189
Imports	729	729	645	597	598	675	734	689	692	580	580	516	754	837
Large Thermal	6992	6992	6992	6992	6992	6992	6992	6992	6864	6992	6858	2917	5312	6992
Non-Utility Generation	1420	1420	1333	1231	1186	1172	1152	1181	1213	1365	1365	971	1495	1471
Resource Acquisition	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Other Resources	15674	15674	15514	14888	15353	15410	15470	15448	14716	14481	14347	8218	13482	15812
Total Resources	44321	44217	42255	42155	43628	44528	39831	40306	40602	40149	38637	34159	41600	44484
Reserves & Maintenance														
Hydro Reserves	-1437	-1432	-1402	-1363	-1414	-1456	-1451	-1448	-1435	-1382	-1420	-1428	-1481	-1469
Small Thermal & Misc. Reserves	-398	-398	-394	-365	-388	-387	-387	-388	-358	-345	-345	-239	-371	-399
Contract Reserves	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1049	-1030	-1049	-1029	-438	-797	-1049
Regional Hydro Maintenance	-4595	-4032	-3787	-3208	-2935	-2037	-1561	-2286	-2626	-2751	-2483	-2360	-2202	-3720
Spinning Reserves	-830	-841	-789	-820	-858	-907	-802	-797	-792	-781	-764	-702	-826	-853
Regional Transmission Losses	-1206	-1222	-1167	-1184	-1239	-1296	-1158	-1150	-1151	-1134	-1092	-971	-1203	-1239
Total Reserves, Maintenance & Losses	-9515	-8973	-8588	-7990	-7882	-7132	-6408	-7118	-7392	-7442	-7133	-6138	-6879	-8729
Total Net Resources	34806	35243	33668	34165	35746	37396	33423	33188	33211	32707	31504	28021	34721	35755
Surplus/Deficits														
Firm Surplus/Deficit	3103	3541	3802	2829	756	-880	-6054	-4879	-1457	289	-914	-3479	3203	3301
Total Surplus/Deficit	2815	3252	3517	2585	434	-1137	-6380	-5176	-1759	-22	-1225	-3735	2885	3003

Section 11
Monthly Federal 50 Water Year
Surplus/Deficit
Capacity in Megawatts

50 Water Year Surplus/Deficit
Federal Tables
Monthly OY 2004 – 2013
Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Federal Surplus/Deficit by Water Year
PNW Loads and Resources Study
2003 - 2004 Operating Year
2002 White Book**

9/9/2003

<i>Capacity in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>
1929 Federal Surplus/Deficit	989	1407	821	1111	1025	1317	1963	-2080	-845	-655	-2252	-1669	1784	2128
1930 Federal Surplus/Deficit	1012	1373	821	1090	972	1258	-2329	-779	-702	-385	-2244	-1893	1760	2120
1931 Federal Surplus/Deficit	988	1347	829	1030	965	1377	-2327	-2154	-1156	1262	-2335	-275	1751	2100
1932 Federal Surplus/Deficit	932	1298	845	995	946	1207	-2238	-2054	1945	1329	541	975	1660	2114
1933 Federal Surplus/Deficit	1002	1383	825	1082	1049	1544	1926	1166	-731	973	255	650	1439	2085
1934 Federal Surplus/Deficit	1021	1390	2057	1103	1015	1487	1840	1113	1623	932	339	844	1590	2049
1935 Federal Surplus/Deficit	935	99	847	1008	978	1495	1914	1173	-1023	1299	475	823	1573	2098
1936 Federal Surplus/Deficit	958	1337	841	1052	950	1273	-1150	-2150	-71	-663	945	1384	1792	2129
1937 Federal Surplus/Deficit	986	1377	823	1090	977	1220	-2317	-2147	-908	-633	-2201	-267	1813	2131
1938 Federal Surplus/Deficit	974	1208	829	1068	1015	1468	1903	1191	1607	1001	347	705	1499	2103
1939 Federal Surplus/Deficit	1008	1409	822	1103	1026	1205	2050	-2150	1121	1632	1151	1415	1780	2127
1940 Federal Surplus/Deficit	983	1376	827	1087	991	1511	2109	-242	2248	1665	1116	1389	1736	2139
1941 Federal Surplus/Deficit	971	1350	834	1021	1007	1521	1962	-2054	-536	-706	-2327	1073	1624	2026
1942 Federal Surplus/Deficit	965	1331	842	1029	999	1508	1905	-1676	-1086	287	887	1401	1704	2115
1943 Federal Surplus/Deficit	988	1347	827	1057	1021	1532	1940	1243	1687	927	315	734	1401	2077
1944 Federal Surplus/Deficit	996	1380	814	1134	1025	1155	1962	-2077	-1105	-668	-2241	-1797	1508	2138
1945 Federal Surplus/Deficit	1003	339	822	1074	988	1189	-2287	-2134	-1125	-658	-2240	1331	1717	2116
1946 Federal Surplus/Deficit	1001	1371	820	1107	1045	1337	1995	1296	1731	1075	308	734	1542	2111
1947 Federal Surplus/Deficit	999	1397	1060	1132	1081	1548	1938	1219	1613	1117	453	898	1676	2111
1948 Federal Surplus/Deficit	991	1400	817	1120	1077	1570	1960	1324	1829	1251	433	991	1561	2099
1949 Federal Surplus/Deficit	1010	1382	2066	1120	1073	1576	1975	1299	1723	1259	527	1073	1735	2140
1950 Federal Surplus/Deficit	1006	478	821	1110	1039	462	1976	1212	1521	775	-40	290	1039	2001
1951 Federal Surplus/Deficit	1001	1382	1650	1155	1073	1556	1912	1187	1619	906	58	420	1405	2081
1952 Federal Surplus/Deficit	1024	1404	2055	1130	1086	1567	1944	1265	1646	896	265	927	1697	2124
1953 Federal Surplus/Deficit	983	1404	815	1113	1000	1246	1909	1273	865	-693	921	1220	1643	2118
1954 Federal Surplus/Deficit	1000	1393	1181	1109	1064	1582	1972	1247	1623	842	-8.0	431	1187	2001
1955 Federal Surplus/Deficit	1013	1443	2076	1130	1068	1573	2164	-2164	-1170	1660	-988	1433	1680	2074
1956 Federal Surplus/Deficit	1032	1406	817	1143	1078	1546	1874	1155	1451	690	-150	612	1554	2114
1957 Federal Surplus/Deficit	999	1385	963	1135	1076	1569	1969	-393	2059	1436	603	1100	1643	2111
1958 Federal Surplus/Deficit	1007	1414	820	1111	1015	1496	1925	1290	1847	1431	732	1144	1696	2124
1959 Federal Surplus/Deficit	1001	1404	818	1113	1082	1570	1923	1180	1526	805	84	444	1190	2018
1960 Federal Surplus/Deficit	998	1398	2033	1105	1052	1552	2049	1672	2220	1450	741	1086	1622	2092
1961 Federal Surplus/Deficit	996	1416	825	1080	1050	1553	1962	1300	1876	1300	562	986	1567	2104
1962 Federal Surplus/Deficit	969	1372	833	1070	986	867	1965	-637	-720	1391	599	1004	1662	2105
1963 Federal Surplus/Deficit	983	1394	818	1130	1073	1566	2064	1657	2297	1713	1005	1433	1714	2118
1964 Federal Surplus/Deficit	994	1356	1453	1127	1053	1563	1986	1301	-783	1196	447	730	1422	2073
1965 Federal Surplus/Deficit	1014	1398	2065	1112	1078	1540	1862	1108	1427	693	-2.9	489	1356	2080
1966 Federal Surplus/Deficit	988	1383	1294	1121	1072	1567	1953	945	173	1568	994	1266	1730	2112
1967 Federal Surplus/Deficit	988	1369	822	1109	1024	1547	1947	1177	1562	804	5	301	1289	2078
1968 Federal Surplus/Deficit	1010	1396	1657	1122	1078	1577	1980	1379	1991	-695	1016	1258	1654	2092
1969 Federal Surplus/Deficit	994	1340	2023	1123	1079	1571	1915	1286	1722	868	217	873	1690	2120
1970 Federal Surplus/Deficit	1001	1403	820	1108	1020	1546	2016	1345	963	-700	985	1258	1636	2135
1971 Federal Surplus/Deficit	1013	1379	823	1103	1029	1492	1888	1195	1597	865	33	482	1461	2119
1972 Federal Surplus/Deficit	1046	1410	2075	1135	1078	1572	1942	1182	1453	721	-23	276	1241	2070
1973 Federal Surplus/Deficit	1027	1411	2080	1130	1070	1571	1971	-2040	-1109	-737	-2352	760	1757	2139
1974 Federal Surplus/Deficit	998	929	822	899	1014	1536	1842	1119	1385	511	-346	-0.7	1122	2035
1975 Federal Surplus/Deficit	1044	1413	2075	1139	1045	1563	1982	1279	1592	886	73	360	1316	2070
1976 Federal Surplus/Deficit	1022	1400	1447	1134	1071	1524	1934	1250	1668	868	43	481	1474	2085
1977 Federal Surplus/Deficit	1005	1416	2068	1134	1036	1556	2070	-2103	-1144	-731	-2339	384	739	2127
1978 Federal Surplus/Deficit	934	338	845	326	985	1502	1934	1248	1608	1118	494	717	1377	2087
-Ranked Averages-														
Top Ten Percent	1005	1395	1726	1121	1073	1568	2002	1454	1975	924	711	1156	1684	2113
Middle Eighty Percent	995	1289	1156	1076	1035	1455	1770	357	893	748	90	745	1506	2092
Bottom Ten Percent	997	1163	822	1084	985	1240	-1460	-1858	-999	-216	-2252	-580	1710	2121

**Federal Surplus/Deficit by Water Year
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<i>Capacity in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>
1929 Federal Surplus/Deficit	1900	2318	538	991	878	1311	1785	-2243	-800	-492	-1676	-733	2599	2017
1930 Federal Surplus/Deficit	1923	2283	538	971	826	1236	-2507	-703	-630	-2.3	-1668	-956	2575	2008
1931 Federal Surplus/Deficit	1899	2258	546	911	818	1229	-2505	-2317	-1295	1590	-1760	659	2566	1988
1932 Federal Surplus/Deficit	1843	2209	562	876	799	1101	-2416	-2217	1806	1492	1117	1801	2475	2002
1933 Federal Surplus/Deficit	1912	2294	543	963	902	1359	1748	1003	-612	1136	831	1477	2254	1973
1934 Federal Surplus/Deficit	1932	2301	1775	983	868	1302	1662	951	1484	1096	914	1670	2405	1938
1935 Federal Surplus/Deficit	1846	1291	564	889	831	1310	1736	1010	-1162	1462	1051	1650	2388	1987
1936 Federal Surplus/Deficit	1869	2248	559	933	803	1230	-1025	-2313	-12	-444	1521	2210	2607	2017
1937 Federal Surplus/Deficit	1897	2288	540	971	830	1231	-2495	-2310	-830	-470	-1626	588	2628	2019
1938 Federal Surplus/Deficit	1885	2278	546	949	868	1337	1725	1028	1468	1164	923	1532	2315	1991
1939 Federal Surplus/Deficit	1918	2320	554	984	879	1252	1872	-2313	1174	1795	1726	2241	2595	2016
1940 Federal Surplus/Deficit	1893	2286	544	968	844	1326	1931	-184	2109	1828	1691	2216	2551	2027
1941 Federal Surplus/Deficit	1882	2261	551	902	860	1336	1784	-2217	-476	-543	-1752	1985	2439	1914
1942 Federal Surplus/Deficit	1876	2242	559	910	853	1322	1727	-1592	-1225	640	1519	2227	2519	2003
1943 Federal Surplus/Deficit	1899	2258	544	938	874	1347	1762	1080	1549	1090	891	1560	2216	1966
1944 Federal Surplus/Deficit	1907	2290	531	1015	878	1191	1784	-2239	-1244	-505	-1666	-804	2443	2026
1945 Federal Surplus/Deficit	1913	1485	540	955	842	1169	-2465	-2297	-1264	-495	-1664	2157	2532	2004
1946 Federal Surplus/Deficit	1911	2282	537	988	899	1371	1817	1133	1592	1238	883	1561	2357	1999
1947 Federal Surplus/Deficit	1909	2308	1032	1013	934	1362	1760	1056	1474	1280	1028	1725	2491	1999
1948 Federal Surplus/Deficit	1902	2311	535	1001	930	1384	1782	1161	1690	1414	1008	1817	2377	1987
1949 Federal Surplus/Deficit	1921	2293	1783	1000	927	1391	1797	1136	1584	1422	1102	1900	2550	2029
1950 Federal Surplus/Deficit	1917	1595	539	990	892	556	1798	1049	1382	938	535	1116	1854	1889
1951 Federal Surplus/Deficit	1912	2292	1583	1036	926	1370	1734	1024	1480	1069	634	1247	2220	1969
1952 Federal Surplus/Deficit	1935	2315	1772	1011	940	1382	1766	1103	1507	1059	841	1753	2512	2013
1953 Federal Surplus/Deficit	1894	2315	532	994	853	1242	1731	1110	1004	-530	1497	2047	2458	2006
1954 Federal Surplus/Deficit	1911	2304	1151	990	917	1397	1794	1084	1484	1005	567	1257	2002	1889
1955 Federal Surplus/Deficit	1924	2354	1794	1011	922	1388	1986	-2327	-1309	1854	-197	2259	2495	1962
1956 Federal Surplus/Deficit	1943	2316	740	1024	932	1361	1696	992	1312	853	426	1439	2369	2002
1957 Federal Surplus/Deficit	1910	2296	936	1016	929	1384	1791	-346	1920	1599	1178	1927	2458	1999
1958 Federal Surplus/Deficit	1917	2325	538	992	868	1311	1747	1127	1708	1594	1307	1970	2511	2012
1959 Federal Surplus/Deficit	1912	2315	535	994	936	1385	1745	1017	1387	968	659	1270	2005	1906
1960 Federal Surplus/Deficit	1909	2309	1750	986	906	1367	1871	1509	2081	1613	1316	1913	2437	1981
1961 Federal Surplus/Deficit	1907	2327	542	961	904	1367	1784	1137	1737	1463	1137	1812	2382	1992
1962 Federal Surplus/Deficit	1880	2283	550	951	839	924	1787	-500	-668	1554	1174	1830	2477	1993
1963 Federal Surplus/Deficit	1894	2305	535	1011	926	1381	1886	1494	2158	1876	1701	2260	2529	2006
1964 Federal Surplus/Deficit	1904	2267	1419	1008	907	1377	1808	1138	-721	1359	1023	1556	2237	1961
1965 Federal Surplus/Deficit	1924	2308	1783	993	931	1355	1684	945	1288	856	573	1316	2172	1968
1966 Federal Surplus/Deficit	1899	2294	1255	1001	926	1382	1775	1103	234	1731	1569	2092	2545	2000
1967 Federal Surplus/Deficit	1899	2280	540	990	877	1362	1769	1014	1423	967	580	1127	2104	1966
1968 Federal Surplus/Deficit	1921	2307	1618	1003	932	1392	1802	1216	1852	-532	1591	2085	2469	1980
1969 Federal Surplus/Deficit	1905	2251	1740	1004	932	1386	1737	1124	1583	1031	792	1700	2505	2008
1970 Federal Surplus/Deficit	1912	2313	537	989	873	1360	1838	1182	1076	-298	1561	2085	2451	2023
1971 Federal Surplus/Deficit	1924	2290	540	984	883	1307	1710	1032	1458	1028	608	1308	2276	2008
1972 Federal Surplus/Deficit	1956	2321	1793	1015	931	1387	1764	1020	1314	884	552	1102	2056	1959
1973 Federal Surplus/Deficit	1938	2322	1797	1011	923	1386	1793	-2203	-1060	-574	-1777	1642	2572	2028
1974 Federal Surplus/Deficit	1909	2055	539	950	919	1351	1664	957	1246	674	229	826	1937	1923
1975 Federal Surplus/Deficit	1955	2324	1792	1020	899	1378	1804	1116	1453	1049	648	1186	2131	1958
1976 Federal Surplus/Deficit	1933	2311	1405	1015	924	1338	1756	1087	1529	1032	619	1308	2289	1973
1977 Federal Surplus/Deficit	1916	2327	1785	1014	889	1370	1892	-2266	-1283	-568	-1763	1332	1732	2015
1978 Federal Surplus/Deficit	1844	1515	563	376	838	1316	1756	1085	1469	1281	1069	1543	2192	1975
-Ranked Averages-														
Top Ten Percent	1916	2306	1492	1002	926	1382	1824	1291	1836	1087	1310	1982	2499	2002
Middle Eighty Percent	1906	2228	922	965	890	1310	1600	226	813	924	672	1581	2325	1980
Bottom Ten Percent	1908	2121	539	964	839	1211	-1638	-1973	-1053	24	-1677	329	2549	2009

**Federal Surplus/Deficit by Water Year
PNW Loads and Resources Study
2012 - 2013 Operating Year
2002 White Book**

9/9/2003

<i>Capacity in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>
1929 Federal Surplus/Deficit	2213	2631	849	1240	1062	1420	1906	-2103	-444	-267	-1476	-1049	2141	2249
1930 Federal Surplus/Deficit	2236	2597	849	1219	1010	1346	-2387	-358	-264	436	-1469	-1281	2117	2241
1931 Federal Surplus/Deficit	2213	2571	857	1160	1002	1339	-2384	-2176	-1126	1985	-1560	299	2108	2220
1932 Federal Surplus/Deficit	2157	2523	873	1125	984	1211	-2296	-2077	1974	1718	1316	1300	2017	2235
1933 Federal Surplus/Deficit	2226	2607	853	1212	1087	1469	1869	1143	-211	1361	1030	976	1796	2206
1934 Federal Surplus/Deficit	2245	2614	2085	1232	1052	1412	1783	1091	1652	1321	1114	1169	1947	2170
1935 Federal Surplus/Deficit	2159	1821	875	1137	1015	1420	1856	1150	-994	1688	1251	1149	1930	2219
1936 Federal Surplus/Deficit	2183	2561	869	1181	987	1340	-672	-2173	359	25	1720	1710	2148	2250
1937 Federal Surplus/Deficit	2210	2601	851	1219	1014	1341	-2375	-2169	-464	-109	-1426	200	2170	2252
1938 Federal Surplus/Deficit	2199	2591	856	1197	1052	1447	1845	1169	1636	1390	1122	1031	1856	2223
1939 Federal Surplus/Deficit	2232	2633	1077	1233	1063	1425	1993	-2173	1541	2020	1926	1740	2137	2248
1940 Federal Surplus/Deficit	2207	2600	854	1216	1028	1436	2051	144	2277	2053	1891	1715	2093	2260
1941 Federal Surplus/Deficit	2195	2575	861	1151	1044	1446	1904	-2077	-112	-317	-1552	1603	1981	2146
1942 Federal Surplus/Deficit	2189	2555	870	1158	1037	1432	1847	-1232	-1057	1078	1821	1726	2061	2235
1943 Federal Surplus/Deficit	2213	2571	855	1187	1058	1456	1882	1220	1717	1315	1090	1060	1758	2198
1944 Federal Surplus/Deficit	2220	2604	842	1263	1062	1417	1905	-2099	-1075	-279	-1466	-1096	2016	2259
1945 Federal Surplus/Deficit	2227	1995	850	1203	1026	1278	-2345	-2124	-976	-269	-1465	1656	2074	2237
1946 Federal Surplus/Deficit	2225	2595	848	1236	1083	1481	1938	1273	1760	1463	1083	1060	1898	2231
1947 Federal Surplus/Deficit	2223	2622	1540	1262	1118	1472	1881	1196	1642	1505	1228	1224	2032	2231
1948 Federal Surplus/Deficit	2215	2624	875	1250	1114	1494	1902	1302	1859	1639	1208	1316	1918	2220
1949 Federal Surplus/Deficit	2234	2606	2094	1249	1111	1501	1918	1276	1752	1648	1302	1399	2092	2261
1950 Federal Surplus/Deficit	2230	2096	849	1239	1076	879	1919	1190	1551	1164	735	615	1396	2121
1951 Federal Surplus/Deficit	2225	2606	2065	1284	1110	1480	1854	1165	1648	1294	833	746	1762	2201
1952 Federal Surplus/Deficit	2248	2628	2083	1259	1124	1492	1886	1243	1676	1284	1040	1253	2053	2245
1953 Federal Surplus/Deficit	2207	2628	843	1243	1038	1352	1851	1250	1420	-305	1696	1546	2000	2238
1954 Federal Surplus/Deficit	2225	2617	1650	1239	1101	1507	1914	1224	1652	1231	767	757	1544	2122
1955 Federal Surplus/Deficit	2237	2667	2104	1259	1106	1498	2107	-2186	-1140	2080	235	1759	2037	2194
1956 Federal Surplus/Deficit	2256	2630	1250	1272	1116	1471	1816	1132	1480	1079	625	938	1911	2235
1957 Federal Surplus/Deficit	2223	2609	1444	1264	1113	1494	1912	-7.4	2089	1824	1378	1426	2000	2232
1958 Federal Surplus/Deficit	2231	2638	848	1241	1053	1421	1867	1268	1876	1820	1507	1469	2053	2244
1959 Federal Surplus/Deficit	2226	2628	845	1242	1120	1495	1865	1157	1555	1194	859	769	1547	2138
1960 Federal Surplus/Deficit	2223	2622	2061	1235	1090	1476	1991	1649	2249	1838	1516	1412	1979	2213
1961 Federal Surplus/Deficit	2220	2640	853	1210	1088	1477	1905	1278	1905	1688	1337	1311	1924	2225
1962 Federal Surplus/Deficit	2193	2596	861	1199	1024	1204	1907	-114	-316	1779	1374	1329	2019	2226
1963 Federal Surplus/Deficit	2208	2618	846	1259	1110	1490	2006	1635	2326	2101	1937	1759	2071	2238
1964 Federal Surplus/Deficit	2218	2580	1912	1256	1091	1487	1928	1279	-359	1584	1222	1055	1778	2194
1965 Federal Surplus/Deficit	2238	2622	2093	1241	1115	1465	1804	1086	1457	1081	772	815	1713	2201
1966 Federal Surplus/Deficit	2212	2608	1761	1250	1110	1492	1896	1466	597	1957	1769	1591	2087	2232
1967 Federal Surplus/Deficit	2212	2593	850	1238	1061	1472	1889	1155	1592	1193	780	627	1645	2199
1968 Federal Surplus/Deficit	2234	2621	2086	1252	1116	1502	1923	1356	2020	-307	1791	1584	2011	2213
1969 Federal Surplus/Deficit	2219	2564	2050	1252	1116	1496	1857	1264	1751	1256	992	1199	2047	2241
1970 Federal Surplus/Deficit	2225	2627	848	1237	1057	1470	1959	1323	1469	189	1760	1584	1993	2256
1971 Federal Surplus/Deficit	2237	2603	851	1232	1067	1417	1830	1173	1627	1254	808	807	1818	2240
1972 Federal Surplus/Deficit	2270	2634	2103	1264	1115	1497	1885	1160	1483	1109	752	601	1598	2191
1973 Federal Surplus/Deficit	2251	2635	2108	1259	1107	1496	1913	-2063	-703	-349	-1577	1251	2114	2260
1974 Federal Surplus/Deficit	2222	2537	849	1198	1103	1461	1784	1097	1414	900	429	325	1479	2156
1975 Federal Surplus/Deficit	2268	2637	2103	1268	1083	1488	1925	1256	1622	1275	848	685	1673	2190
1976 Federal Surplus/Deficit	2247	2625	1902	1263	1108	1448	1876	1227	1697	1257	818	807	1831	2205
1977 Federal Surplus/Deficit	2230	2640	2096	1263	1074	1480	2012	-2125	-1115	-343	-1564	953	1388	2248
1978 Federal Surplus/Deficit	2158	2028	873	825	1023	1426	1876	1225	1637	1506	1269	1042	1734	2208
-Ranked Averages-														
Top Ten Percent	2229	2619	1834	1251	1110	1492	1945	1432	2005	1313	1517	1481	2041	2234
Middle Eighty Percent	2219	2560	1276	1219	1074	1431	1726	393	1037	1168	880	1094	1870	2213
Bottom Ten Percent	2221	2474	850	1213	1023	1344	-1517	-1785	-781	353	-1477	-44	2097	2242

Section 12
Monthly Regional 50 Water Year
Surplus/Deficit
Capacity in Megawatts

50 Water Year Surplus/Deficit
Regional Tables
Monthly OY 2004 – 2013
Capacity in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Regional Surplus/Deficit by Water Year
PNW Loads and Resources Study
2003 - 2004 Operating Year
2002 White Book**

9/9/2003

<i>Capacity in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>
1929 Regional Surplus/Deficit	5117	5541	5368	5492	4402	3515	2208	-427	1781	2347	1647	-567	5849	5063
1930 Regional Surplus/Deficit	4843	5390	5119	5086	4116	3115	-1484	983	1748	2246	1025	-1264	5397	4735
1931 Regional Surplus/Deficit	4644	5058	5046	5078	4088	3075	-1459	-653	1247	4245	1383	-57	4707	4479
1932 Regional Surplus/Deficit	4008	3884	4629	4887	4100	2901	-1394	-645	4362	4357	4166	1610	5628	5321
1933 Regional Surplus/Deficit	4958	5467	5320	5327	4446	3558	2791	2575	1678	3870	3741	887	5174	5224
1934 Regional Surplus/Deficit	5072	5471	6524	5447	4359	3532	2775	2754	4196	3806	3384	934	5104	4739
1935 Regional Surplus/Deficit	4737	3951	5029	5083	4353	3416	2745	2597	1475	4266	4069	1724	5384	5197
1936 Regional Surplus/Deficit	4771	5323	5233	5192	4248	3083	-91	-332	2566	2265	4911	2648	5920	5340
1937 Regional Surplus/Deficit	5013	5470	5364	5115	4243	3095	-2056	-835	1350	2286	1329	311	5833	5270
1938 Regional Surplus/Deficit	4930	5320	5182	5245	4462	3706	2805	2841	4057	3967	4033	1355	5583	5429
1939 Regional Surplus/Deficit	5102	5567	5352	5401	4355	3430	3098	-229	3926	4647	4885	2686	5639	5273
1940 Regional Surplus/Deficit	4955	5470	5326	5277	4304	3519	3172	1835	4981	4709	4688	2157	5292	5251
1941 Regional Surplus/Deficit	4856	5357	5216	5213	4369	3588	2944	-83	2149	2240	1440	1306	4720	4163
1942 Regional Surplus/Deficit	3850	4250	4333	4825	4234	3616	2677	130	1603	3241	4389	2168	5727	5308
1943 Regional Surplus/Deficit	4922	5318	5346	5202	4466	3855	2894	3231	4346	4163	4047	1361	5375	5397
1944 Regional Surplus/Deficit	5047	5553	5463	5556	4422	3484	2463	-716	1598	2235	1606	-1399	4399	4474
1945 Regional Surplus/Deficit	4336	3716	4254	4471	4115	3071	-1383	-358	1242	2301	1589	2466	5781	5383
1946 Regional Surplus/Deficit	5044	5406	5311	5390	4488	3735	3178	3249	4300	4170	3891	1452	5524	5408
1947 Regional Surplus/Deficit	5103	5596	5691	5622	4594	3838	2911	3260	4196	4182	3950	1533	5678	5245
1948 Regional Surplus/Deficit	4971	5504	5422	5571	4512	3829	3058	3268	4369	4373	4060	1957	4760	5346
1949 Regional Surplus/Deficit	5059	5467	6633	5573	4532	3802	2795	3139	4324	4339	4104	2063	5634	5362
1950 Regional Surplus/Deficit	5125	4703	5428	5458	4505	2772	2978	3043	4028	3889	3421	389	4637	5310
1951 Regional Surplus/Deficit	5167	5683	6316	5698	4723	4032	3104	3373	4450	4074	3463	724	5451	5307
1952 Regional Surplus/Deficit	5072	5549	6661	5638	4579	3901	2897	3407	4258	4071	3973	1676	5956	5386
1953 Regional Surplus/Deficit	5077	5647	5424	5209	4339	3380	3084	3306	3649	2330	4526	2501	5716	5458
1954 Regional Surplus/Deficit	5096	5598	5801	5493	4496	3798	3012	3151	4044	3955	3673	752	4543	5188
1955 Regional Surplus/Deficit	5033	5617	6558	5567	4450	3688	3081	-208	1368	5010	2606	2074	5237	5031
1956 Regional Surplus/Deficit	4996	5441	5422	5643	4543	3880	2945	3071	3889	3600	3050	1169	5453	5419
1957 Regional Surplus/Deficit	5154	5621	5613	5609	4575	3897	2950	1773	4843	4412	4182	2437	5612	5256
1958 Regional Surplus/Deficit	5147	5592	5384	5484	4379	3766	3023	3310	4431	4380	4674	2470	5813	5309
1959 Regional Surplus/Deficit	5096	5562	5374	5456	4495	3784	2909	2890	3936	3951	3541	916	4857	5152
1960 Regional Surplus/Deficit	4981	5452	6559	5492	4484	3728	2973	3657	5018	4753	4364	2209	5686	5373
1961 Regional Surplus/Deficit	4984	5573	5337	5391	4459	3614	2804	3027	4381	4089	3879	1800	4928	5263
1962 Regional Surplus/Deficit	4916	5406	5275	5384	4378	2919	2748	1257	1341	4601	4463	2132	5764	5316
1963 Regional Surplus/Deficit	5031	5477	5359	5605	4485	3856	3110	3861	4923	5030	4794	2695	5957	5277
1964 Regional Surplus/Deficit	4923	5410	5961	5461	4509	3751	2938	3081	1804	4549	3822	1184	5369	5243
1965 Regional Surplus/Deficit	5127	5566	6698	5465	4535	3876	2908	3188	4065	3874	3681	1022	5450	5408
1966 Regional Surplus/Deficit	5045	5538	5885	5639	4580	3866	3047	2812	2969	4889	4564	2319	5545	5239
1967 Regional Surplus/Deficit	4982	5445	5292	5417	4468	3708	2895	2991	3700	3911	3173	718	5060	5255
1968 Regional Surplus/Deficit	5065	5510	6203	5568	4547	3871	3094	3449	4760	2306	4486	1992	5592	5218
1969 Regional Surplus/Deficit	4925	5520	6585	5626	4538	3886	3003	3369	4379	3906	3749	1566	5680	5403
1970 Regional Surplus/Deficit	5087	5569	5460	5565	4441	3859	3217	3498	3732	2455	4394	2187	5881	5492
1971 Regional Surplus/Deficit	5075	5498	5470	5589	4539	3888	3076	3268	4296	3760	3345	897	5462	5539
1972 Regional Surplus/Deficit	5268	5687	6786	5663	4865	3998	3123	3105	4015	3560	3401	532	4715	5155
1973 Regional Surplus/Deficit	5041	5542	6711	5537	4720	3975	3163	-23	1682	2278	1605	1155	4895	4751
1974 Regional Surplus/Deficit	4193	4443	4924	4983	4603	3896	2990	3208	3945	3282	2808	-232	4724	5183
1975 Regional Surplus/Deficit	5245	5656	6741	5477	4620	3983	3150	3311	4268	3996	3515	1006	5399	5390
1976 Regional Surplus/Deficit	5244	5723	6111	5698	4717	3962	3191	3223	4475	4050	3471	1076	5557	5255
1977 Regional Surplus/Deficit	5016	5503	6569	5461	4407	3791	2454	-181	1448	2007	1244	470	3673	4267
1978 Regional Surplus/Deficit	3438	3445	4709	4167	4298	3687	2986	3178	4086	3989	3936	1898	5356	5352
-Ranked Averages-														
Top Ten Percent	5058	5508	6119	5558	4492	3811	2960	3475	4591	4514	4382	2223	5809	5341
Middle Eighty Percent	4918	5308	5648	5385	4476	3672	2766	2255	3488	3733	3633	1397	5298	5214
Bottom Ten Percent	4777	5038	5049	5061	4197	3168	-784	-316	1437	2663	1386	11	5223	4868

**Regional Surplus/Deficit by Water Year
PNW Loads and Resources Study
2007 - 2008 Operating Year
2002 White Book**

9/9/2003

<i>Capacity in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>
1929 Regional Surplus/Deficit	5243	5646	5695	5299	3265	2185	714	-1857	1008	2020	1237	-2032	6389	5076
1930 Regional Surplus/Deficit	4968	5495	5446	4893	2979	1769	-2978	-209	1000	2138	615	-2728	5937	4748
1931 Regional Surplus/Deficit	4769	5164	5373	4884	2951	1604	-2953	-2083	291	4083	972	-1524	5247	4492
1932 Regional Surplus/Deficit	4133	3989	4956	4693	2964	1471	-2888	-2075	3406	4031	3755	36	6167	5333
1933 Regional Surplus/Deficit	5083	5572	5647	5133	3309	2049	1297	1145	978	3544	3331	-687	5714	5236
1934 Regional Surplus/Deficit	5198	5576	6851	5254	3222	2024	1281	1324	3239	3479	2974	-640	5644	4752
1935 Regional Surplus/Deficit	4862	4335	5356	4890	3216	1908	1250	1167	519	3939	3658	150	5924	5209
1936 Regional Surplus/Deficit	4897	5428	5559	4999	3112	1715	-1283	-1762	1806	1995	4500	1074	6459	5352
1937 Regional Surplus/Deficit	5138	5576	5690	4922	3106	1782	-3550	-2265	609	1960	918	-1235	6373	5282
1938 Regional Surplus/Deficit	5055	5582	5509	5052	3325	2251	1311	1412	3100	3640	3622	-219	6123	5442
1939 Regional Surplus/Deficit	5227	5672	5693	5208	3218	2153	1604	-1659	3161	4320	4475	1112	6178	5285
1940 Regional Surplus/Deficit	5080	5575	5652	5084	3168	2010	1678	624	4025	4383	4278	583	5831	5264
1941 Regional Surplus/Deficit	4981	5462	5543	5019	3232	2079	1450	-1512	1390	1913	1029	-183	5259	4175
1942 Regional Surplus/Deficit	3975	4355	4660	4632	3097	2108	1183	-1054	647	3103	4035	594	6267	5321
1943 Regional Surplus/Deficit	5048	5423	5672	5009	3329	2346	1400	1801	3390	3836	3637	-213	5915	5410
1944 Regional Surplus/Deficit	5172	5658	5790	5363	3286	2195	969	-2146	641	1908	1196	-2808	5058	4487
1945 Regional Surplus/Deficit	4461	4055	4581	4278	2978	1726	-2877	-1788	285	1975	1178	892	6321	5395
1946 Regional Surplus/Deficit	5169	5511	5638	5197	3351	2444	1684	1819	3344	3843	3480	-122	6063	5421
1947 Regional Surplus/Deficit	5228	5701	6270	5429	3458	2329	1417	1830	3240	3856	3539	-41	6217	5257
1948 Regional Surplus/Deficit	5096	5609	5749	5378	3375	2320	1564	1838	3413	4047	3650	383	5300	5359
1949 Regional Surplus/Deficit	5185	5572	6960	5380	3395	2294	1301	1709	3368	4012	3694	489	6174	5375
1950 Regional Surplus/Deficit	5250	5013	5755	5265	3368	1540	1484	1613	3072	3562	3011	-1185	5177	5322
1951 Regional Surplus/Deficit	5292	5788	6857	5504	3586	2523	1610	1943	3493	3748	3052	-850	5991	5319
1952 Regional Surplus/Deficit	5197	5654	6988	5445	3443	2392	1403	1977	3302	3744	3563	102	6495	5399
1953 Regional Surplus/Deficit	5202	5752	5751	5016	3203	2052	1590	1876	2969	2004	4115	927	6256	5471
1954 Regional Surplus/Deficit	5221	5703	6378	5299	3359	2289	1518	1722	3088	3629	3263	-822	5082	5200
1955 Regional Surplus/Deficit	5158	5722	6885	5373	3313	2179	1587	-1637	412	4714	2410	500	5777	5044
1956 Regional Surplus/Deficit	5121	5546	5953	5450	3406	2371	1451	1641	2933	3274	2640	-405	5993	5431
1957 Regional Surplus/Deficit	5279	5726	6193	5415	3439	2388	1456	552	3887	4085	3772	863	6152	5269
1958 Regional Surplus/Deficit	5272	5697	5711	5291	3242	2257	1529	1880	3474	4053	4263	896	6353	5321
1959 Regional Surplus/Deficit	5221	5667	5701	5263	3358	2275	1415	1460	2980	3625	3131	-658	5397	5165
1960 Regional Surplus/Deficit	5106	5557	6886	5298	3347	2219	1479	2227	4062	4427	3954	634	6226	5385
1961 Regional Surplus/Deficit	5109	5678	5663	5198	3322	2106	1310	1597	3424	3762	3468	226	5468	5276
1962 Regional Surplus/Deficit	5041	5511	5602	5191	3242	1651	1254	125	574	4274	4053	558	6304	5329
1963 Regional Surplus/Deficit	5156	5582	5686	5411	3349	2347	1616	2431	3966	4704	4503	1121	6496	5290
1964 Regional Surplus/Deficit	5048	5515	6535	5268	3372	2242	1444	1651	1047	4222	3412	-390	5908	5256
1965 Regional Surplus/Deficit	5252	5671	7025	5272	3398	2367	1414	1759	3108	3548	3271	-552	5990	5420
1966 Regional Surplus/Deficit	5170	5643	6454	5445	3443	2357	1553	1701	2211	4562	4154	745	6085	5251
1967 Regional Surplus/Deficit	5107	5550	5619	5223	3331	2199	1401	1561	2744	3584	2763	-856	5600	5268
1968 Regional Surplus/Deficit	5190	5615	6772	5375	3410	2362	1600	2019	3804	1980	4075	418	6131	5230
1969 Regional Surplus/Deficit	5050	5625	6912	5433	3402	2377	1509	1939	3423	3580	3339	-7.9	6220	5416
1970 Regional Surplus/Deficit	5212	5674	5787	5372	3305	2350	1723	2068	3026	2367	3983	613	6421	5505
1971 Regional Surplus/Deficit	5200	5603	5797	5396	3402	2379	1582	1838	3339	3434	2935	-677	6001	5552
1972 Regional Surplus/Deficit	5393	5792	7113	5469	3728	2490	1629	1675	3059	3234	2991	-1042	5255	5168
1973 Regional Surplus/Deficit	5166	5647	7038	5344	3584	2466	1669	-1453	912	1951	1195	-363	5435	4764
1974 Regional Surplus/Deficit	4319	4762	5251	4959	3517	2387	1496	1778	2989	2955	2398	-1806	5264	5196
1975 Regional Surplus/Deficit	5370	5761	7068	5284	3483	2474	1655	1881	3312	3669	3105	-568	5939	5403
1976 Regional Surplus/Deficit	5369	5828	6677	5505	3581	2453	1697	1793	3518	3723	3060	-498	6097	5267
1977 Regional Surplus/Deficit	5142	5608	6895	5268	3270	2282	960	-1611	492	1680	833	-984	4390	4279
1978 Regional Surplus/Deficit	3564	3816	5036	4142	3161	2178	1492	1748	3129	3663	3526	324	5896	5365
-Ranked Averages-														
Top Ten Percent	5183	5613	6446	5365	3355	2302	1466	2045	3634	4188	3995	649	6349	5354
Middle Eighty Percent	5043	5441	6029	5200	3341	2203	1279	857	2590	3419	3229	-167	5842	5226
Bottom Ten Percent	4902	5189	5376	4868	3060	1815	-2278	-1698	565	2413	976	-1481	5787	4881

**Regional Surplus/Deficit by Water Year
PNW Loads and Resources Study
2012 - 2013 Operating Year
2002 White Book**

9/9/2003

<i>Capacity in Megawatts</i>	<i>Aug1</i>	<i>Aug16</i>	<i>Sep</i>	<i>Oct</i>	<i>Nov</i>	<i>Dec</i>	<i>Jan</i>	<i>Feb</i>	<i>Mar</i>	<i>Apr1</i>	<i>Apr16</i>	<i>May</i>	<i>Jun</i>	<i>Jul</i>
1929 Regional Surplus/Deficit	2919	3323	3522	2961	593	-734	-2115	-4768	-1370	-97	-906	-4461	2901	2797
1930 Regional Surplus/Deficit	2644	3172	3272	2555	307	-1151	-5807	-2917	-1368	233	-1528	-5166	2449	2468
1931 Regional Surplus/Deficit	2446	2840	3199	2547	279	-1315	-5782	-4994	-2274	2135	-1171	-3997	1759	2212
1932 Regional Surplus/Deficit	1810	1666	2782	2356	292	-1448	-5717	-4986	841	1914	1612	-2577	2680	3054
1933 Regional Surplus/Deficit	2760	3248	3474	2796	637	-870	-1532	-1766	-1355	1427	1188	-3299	2226	2957
1934 Regional Surplus/Deficit	2874	3253	4678	2916	550	-895	-1548	-1587	675	1362	831	-3252	2156	2472
1935 Regional Surplus/Deficit	2539	2228	3182	2552	544	-1011	-1579	-1744	-2046	1822	1516	-2463	2436	2930
1936 Regional Surplus/Deficit	2573	3105	3386	2662	439	-1205	-3882	-4673	-556	120	2358	-1538	2972	3073
1937 Regional Surplus/Deficit	2815	3252	3517	2585	434	-1137	-6380	-5176	-1759	-22	-1225	-3735	2885	3003
1938 Regional Surplus/Deficit	2732	3259	3335	2714	653	-668	-1518	-1499	536	1523	1480	-2831	2635	3162
1939 Regional Surplus/Deficit	2903	3349	3731	2871	546	-704	-1225	-4570	794	2204	2332	-1500	2691	3006
1940 Regional Surplus/Deficit	2757	3252	3479	2746	495	-909	-1151	-2101	1460	2266	2135	-2029	2344	2984
1941 Regional Surplus/Deficit	2658	3138	3369	2682	560	-840	-1379	-4423	-980	-204	-1113	-2677	1772	1896
1942 Regional Surplus/Deficit	1652	2031	2486	2294	425	-812	-1646	-3747	-1917	1197	1993	-2019	2779	3041
1943 Regional Surplus/Deficit	2724	3100	3499	2671	657	-573	-1429	-1110	825	1719	1494	-2826	2427	3130
1944 Regional Surplus/Deficit	2849	3335	3616	3026	614	-608	-1860	-5057	-1923	-209	-947	-5212	1602	2207
1945 Regional Surplus/Deficit	2137	1927	2407	1940	306	-1193	-5707	-4667	-2161	-142	-964	-1720	2833	3116
1946 Regional Surplus/Deficit	2846	3188	3465	2859	679	-475	-1145	-1092	779	1727	1338	-2734	2576	3141
1947 Regional Surplus/Deficit	2905	3378	4294	3091	786	-590	-1412	-1081	675	1739	1397	-2653	2730	2978
1948 Regional Surplus/Deficit	2772	3286	3605	3040	703	-599	-1266	-1073	848	1930	1507	-2229	1812	3079
1949 Regional Surplus/Deficit	2861	3249	4787	3043	723	-625	-1528	-1202	804	1895	1551	-2123	2686	3095
1950 Regional Surplus/Deficit	2926	2876	3581	2927	696	-1167	-1345	-1298	508	1446	868	-3797	1689	3043
1951 Regional Surplus/Deficit	2969	3465	4855	3167	914	-396	-1219	-968	929	1631	909	-3463	2503	3040
1952 Regional Surplus/Deficit	2874	3331	4814	3108	771	-527	-1426	-934	737	1627	1420	-2511	3008	3119
1953 Regional Surplus/Deficit	2879	3428	3577	2679	531	-867	-1239	-1035	650	-113	1972	-1685	2768	3192
1954 Regional Surplus/Deficit	2897	3380	4393	2962	687	-630	-1312	-1189	523	1512	1120	-3434	1595	2921
1955 Regional Surplus/Deficit	2834	3399	4712	3036	641	-740	-1242	-4548	-2153	2598	499	-2112	2289	2764
1956 Regional Surplus/Deficit	2798	3223	3978	3113	734	-548	-1378	-1270	368	1157	497	-3018	2505	3152
1957 Regional Surplus/Deficit	2955	3403	4216	3078	767	-531	-1373	-2162	1322	1968	1629	-1749	2664	2989
1958 Regional Surplus/Deficit	2949	3374	3537	2953	570	-662	-1300	-1031	910	1936	2121	-1716	2865	3042
1959 Regional Surplus/Deficit	2898	3344	3528	2925	686	-644	-1414	-1451	415	1508	988	-3271	1910	2885
1960 Regional Surplus/Deficit	2783	3234	4712	2961	675	-700	-1350	-684	1497	2310	1811	-1978	2738	3106
1961 Regional Surplus/Deficit	2786	3355	3490	2860	650	-814	-1519	-1314	860	1646	1326	-2386	1980	2996
1962 Regional Surplus/Deficit	2718	3188	3429	2853	570	-1099	-1575	-2542	-1807	2158	1910	-2054	2816	3049
1963 Regional Surplus/Deficit	2832	3259	3512	3074	677	-572	-1213	-480	1402	2587	2396	-1491	3009	3010
1964 Regional Surplus/Deficit	2725	3191	4543	2930	700	-677	-1385	-1260	-1325	2106	1269	-3002	2421	2977
1965 Regional Surplus/Deficit	2928	3347	4851	2935	726	-552	-1415	-1152	544	1431	1128	-3165	2502	3141
1966 Regional Surplus/Deficit	2846	3320	4474	3108	771	-562	-1276	-989	-160	2446	2011	-1867	2597	2972
1967 Regional Surplus/Deficit	2784	3227	3446	2886	659	-720	-1428	-1350	179	1467	620	-3468	2112	2989
1968 Regional Surplus/Deficit	2867	3291	4754	3038	738	-557	-1229	-892	1239	-137	1933	-2195	2644	2951
1969 Regional Surplus/Deficit	2727	3302	4738	3096	730	-542	-1321	-972	859	1463	1196	-2620	2732	3136
1970 Regional Surplus/Deficit	2889	3351	3614	3035	633	-569	-1106	-843	685	511	1841	-1999	2933	3225
1971 Regional Surplus/Deficit	2877	3280	3623	3059	730	-540	-1247	-1073	775	1317	792	-3289	2514	3272
1972 Regional Surplus/Deficit	3070	3469	4939	3132	1056	-430	-1201	-1236	494	1117	848	-3654	1767	2888
1973 Regional Surplus/Deficit	2843	3323	4864	3006	911	-453	-1160	-4364	-1464	-166	-948	-2866	1947	2485
1974 Regional Surplus/Deficit	1995	2606	3077	2621	845	-532	-1333	-1133	424	838	255	-4419	1776	2916
1975 Regional Surplus/Deficit	3047	3437	4895	2947	811	-445	-1174	-1030	747	1553	962	-3180	2451	3124
1976 Regional Surplus/Deficit	3046	3505	4689	3167	908	-466	-1132	-1118	954	1606	918	-3110	2609	2988
1977 Regional Surplus/Deficit	2818	3285	4722	2930	598	-637	-1869	-4522	-2073	-437	-1309	-3475	1016	2000
1978 Regional Surplus/Deficit	1240	1691	2863	2004	489	-741	-1337	-1163	565	1546	1383	-2289	2409	3085
-Ranked Averages-														
Top Ten Percent	2844	3273	4516	3045	717	-596	-1349	-838	1136	1656	1822	-2059	2817	3056
Middle Eighty Percent	2722	3139	3873	2866	664	-707	-1546	-2031	73	1372	1099	-2754	2363	2949
Bottom Ten Percent	2578	2905	3202	2531	388	-1081	-5107	-4562	-1897	399	-1167	-3966	2306	2601