

Section 1
Annual Federal Table
Loads & Resources
Average Energy in Megawatts

Loads & Resources Federal Table
Annual OY 2004 – 2013
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

Loads and Resources - Federal System
PNW Loads and Resource Study
2004 - 2013 Operating Years
1937 Water Year
2002 White Book

9/9/2003

Average Energy in Megawatts	2004 Avg.	2005 Avg.	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.
Non-Utility Obligations										
Federal Agencies 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0
USBR 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0
DSI 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0
Federal Agencies 2002 PSC Sale	117	118	118	119	120	120	121	121	122	122
USBR 2002 PSC Sale	148	148	148	148	148	148	148	148	148	148
DSI 2002 PSC Sale	640	762	768	128	0	0	0	0	0	0
Total Firm Non-Utility Obligations	905	1028	1034	396	268	268	269	269	269	270
Transfers Out										
NGP 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0
GPU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0
IOU 1981 PSC Sale	0	0	0	0	0	0	0	0	0	0
NGP 2002 PSC Sale	2702	2761	2808	2967	3030	3071	3109	3147	3205	3257
GPU 2002 PSC Sale	2154	2177	2164	2416	2472	2485	2496	2506	2536	2553
NGP Slice Sale	613	607	619	612	625	616	628	619	630	621
GPU Slice Sale	1021	1011	1031	1018	1040	1026	1046	1031	1049	1034
IOU 2002 PSC Sale	382	382	382	64	0	0	0	0	0	0
Exports	1049	1005	968	740	701	694	693	694	697	702
Intra-Regional Transfers (Out)	697	454	454	420	411	411	411	411	240	225
Supp & Entitlement Capacity (Out)	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
Federal Diversity	0	0	0	0	0	0	0	0	0	0
Total Transfers Out	8618	8397	8426	8237	8278	8303	8382	8407	8358	8391
Total Firm Obligations	9523	9425	9460	8632	8546	8572	8651	8676	8627	8661
Hydro Resources										
Regulated Hydro	6439	6446	6464	6492	6527	6545	6562	6577	6589	6603
Independent Hydro	397	397	397	398	398	398	398	398	398	398
Sustained Peaking Adjustment	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (CSPE)	0	0	0	0	0	0	0	0	0	0
Non-Fed CER (Canada)	142	142	140	139	138	137	136	136	135	134
Restoration	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	6978	6984	7001	7028	7062	7079	7096	7111	7121	7135
Other Resources										
Small Thermal & Misc.	0	0	0	0	0	0	0	0	0	0
Combustion Turbines	0	0	0	0	0	0	0	0	0	0
Renewables	29	29	29	29	29	29	29	29	29	29
Cogeneration	0	0	0	0	0	0	0	0	0	0
Imports	268	255	245	225	198	183	182	174	174	174
Intra-Regional Transfers (In)	1559	1405	1255	518	288	288	288	288	117	102
Supp & Entitlement Capacity (In)	0	0	0	0	0	0	0	0	0	0
Large Thermal	1000	877	1000	877	1000	877	1000	877	1000	877
Non-Utility Generation	92	134	119	119	119	119	119	119	119	119
Resource Acquisition	0	0	0	0	0	0	0	0	0	0
Total Other Resources	2948	2700	2648	1767	1633	1496	1618	1487	1439	1301
Total Resources	9926	9684	9649	8795	8696	8575	8714	8598	8560	8436
Reserves & Maintenance										
Hydro Reserves	0	0	0	0	0	0	0	0	0	0
Small Thermal & Misc. Reserves	0	0	0	0	0	0	0	0	0	0
Contract Reserves	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	0	0	0	0	0	0	0	0	0	0
Federal Hydro Maintenance	0	0	0	0	0	0	0	0	0	0
Spinning Reserves	0	0	0	0	0	0	0	0	0	0
Federal Transmission Losses	-280	-273	-272	-248	-245	-242	-246	-242	-241	-238
Total Reserves, Maintenance & Losses	-280	-273	-272	-248	-245	-242	-246	-242	-241	-238
Total Net Resources	9646	9411	9377	8547	8450	8333	8468	8355	8319	8198
Total Firm Surplus/Deficit	123	-14	-84	-86	-96	-239	-183	-321	-308	-464

Section 2
Annual Regional Table
Loads & Resources
Average Energy in Megawatts

Loads & Resources Regional Table
Annual OY 2004 – 2013
Average Energy in Megawatts

Power Business Line

Reports Powered by:



Loads and Resources Information System

**Loads and Resources - Pacific Northwest Region
PNW Loads and Resource Study
2004 - 2013 Operating Years
1937 Water Year
2002 White Book**

9/9/2003

Average Energy in Megawatts	2004 Avg.	2005 Avg.	2006 Avg.	2007 Avg.	2008 Avg.	2009 Avg.	2010 Avg.	2011 Avg.	2012 Avg.	2013 Avg.
<u>Firm Regional Loads</u>										
Regional Firm Loads	20449	20814	21137	21532	21924	22328	22662	23000	23343	23767
Exports	1594	1464	1307	1011	917	904	903	903	906	892
Federal Diversity	0	0	0	0	0	0	0	0	0	0
Total Firm Regional Loads	22043	22277	22445	22543	22840	23232	23565	23903	24249	24659
<u>Non-Firm Regional Loads</u>										
Regional Non-Firm Loads	151	151	151	151	151	151	151	151	151	151
Total Non-Firm Regional Loads	151	151	151	151	151	151	151	151	151	151
Total Loads	22193	22428	22595	22694	22991	23382	23715	24054	24399	24810
<u>Hydro Resources</u>										
Regulated Hydro	10598	10605	10622	10650	10686	10703	10721	10736	10748	10762
Independent Hydro	1084	1084	1084	1085	1085	1085	1085	1085	1085	1085
Sustained Peaking Adjustment	0	0	0	0	0	0	0	0	0	0
Total Hydro Resources	11681	11688	11706	11735	11770	11788	11805	11821	11832	11846
<u>Other Resources</u>										
Small Thermal & Misc.	17	17	17	17	17	17	17	17	17	17
Combustion Turbines	2018	2508	2820	2865	2865	2865	2865	2865	2865	2865
Renewables	77	77	77	77	77	77	77	77	77	77
Cogeneration	1963	1963	1963	1963	1963	1963	1963	1963	1963	1963
Imports	843	772	762	721	672	659	661	612	614	611
Large Thermal	6065	5944	6091	5968	6091	5967	6073	5944	6090	5967
Non-Utility Generation	1310	1366	1347	1342	1341	1342	1342	1345	1345	1346
Resource Acquisition	0	0	0	0	0	0	0	0	0	0
Total Other Resources	12293	12646	13078	12954	13026	12890	12999	12824	12971	12847
Total Resources	23974	24334	24784	24689	24796	24677	24804	24644	24803	24693
<u>Reserves & Maintenance</u>										
Hydro Reserves	0	0	0	0	0	0	0	0	0	0
Small Thermal & Misc. Reserves	0	0	0	0	0	0	0	0	0	0
Contract Reserves	0	0	0	0	0	0	0	0	0	0
Large Thermal Reserves	0	0	0	0	0	0	0	0	0	0
Regional Hydro Maintenance	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
Spinning Reserves	0	0	0	0	0	0	0	0	0	0
Regional Transmission Losses	-676	-686	-699	-696	-699	-696	-699	-695	-699	-696
Total Reserves, Maintenance & Losses	-688	-698	-711	-708	-711	-708	-711	-707	-711	-708
Total Net Resources	23286	23636	24073	23981	24085	23970	24093	23938	24092	23985
<u>Surplus/Deficits</u>										
Firm Surplus/Deficit	1244	1359	1629	1438	1245	738	528	34	-157	-674
Total Surplus/Deficit	1093	1208	1478	1288	1095	587	378	-116	-307	-825