

REGIONAL ENERGY ANALYSIS

REGIONAL ENERGY SURPLUS/DEFICIT  
FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
(REGION TABLE 1 LINE 35)

1998 WHITE BOOK: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	1999: 0 OPERATING YEAR														
	RUN DATE: 12/31/98														
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	12 MO AVG
1929 REGIONAL ENERGY S/D	3542	-870	-2810	-1792	-3413	-3414	-4501	-2811	-4475	-3828	-1494	-3023	1989	286	-2108
1930 REGIONAL ENERGY S/D	-19	-2728	-3080	-3886	-3884	-2732	-4312	-4045	-4474	-1073	3648	-3890	-2099	-173	-2722
1931 REGIONAL ENERGY S/D	-92	-1363	-3826	-4068	-3615	-3322	-4524	-4996	-4665	-722	-3249	-219	-1861	267	-2795
1932 REGIONAL ENERGY S/D	-1195	-2745	-4104	-3735	-3006	-3529	-5378	-2312	642	6583	5816	4154	6532	1524	-415
1933 REGIONAL ENERGY S/D	998	-67	-2731	-2255	-1829	-1916	3921	2112	-3266	2248	232	1561	10747	7912	1330
1934 REGIONAL ENERGY S/D	3095	3259	-133	858	1005	6357	9353	7244	3218	8558	7357	4787	87	-3024	3407
1935 REGIONAL ENERGY S/D	-1564	-3256	-3115	-3250	-2165	-1675	3653	1839	-1040	1904	1406	574	4605	2437	92
1936 REGIONAL ENERGY S/D	1397	-2043	-3336	-3412	-4011	-3114	-4116	-2741	-3602	-1656	7037	4745	2427	1488	-1109
1937 REGIONAL ENERGY S/D	684	-2286	-3026	-3624	-3801	-3232	-5230	-4467	-4943	-3478	-3861	-117	1452	-110	-2631
1938 REGIONAL ENERGY S/D	-1020	-2107	-3241	-3930	-1903	-1410	2561	524	2004	2085	4074	6157	5848	1465	799
1939 REGIONAL ENERGY S/D	1084	-2731	-3132	-3065	-3793	-2947	-4175	342	-199	1993	3215	991	-1932	2380	-1146
1940 REGIONAL ENERGY S/D	1132	-2108	-3020	-2670	-3391	-2947	-3000	-660	2317	2338	2867	639	-2628	-1056	-1192
1941 REGIONAL ENERGY S/D	-1501	-3243	-3119	-2567	-3767	-3162	-3692	-2836	-3345	-3244	-1504	-1897	10	-1746	-2572
1942 REGIONAL ENERGY S/D	-2170	-2688	-3283	-2359	-2502	2046	1694	318	-3840	-708	-4	1364	4298	3093	-163
1943 REGIONAL ENERGY S/D	2990	8	-2901	-2684	-2711	-2407	2535	5050	1084	10231	7670	6089	7543	4286	2194
1944 REGIONAL ENERGY S/D	2724	645	-1795	-1937	-3653	-2993	-4245	-1831	-5124	-3717	-2801	-2566	-998	-1859	-2381
1945 REGIONAL ENERGY S/D	-1842	-2895	-3752	-3751	-3486	-2236	-5854	-3837	-4431	-2685	-1438	1880	3383	1756	-2063
1946 REGIONAL ENERGY S/D	1180	-1126	-2648	-3192	-2494	-754	4227	1443	553	3247	6671	7125	6566	2852	1555
1947 REGIONAL ENERGY S/D	2435	-1004	-2062	-1479	-1798	1913	6254	7181	-564	3057	3981	4612	5963	1264	2126
1948 REGIONAL ENERGY S/D	1034	-1452	-2311	3240	734	-888	5691	3507	-637	740	4891	8439	13550	6149	3340
1949 REGIONAL ENERGY S/D	3404	3931	507	-1020	-2653	-3423	-147	932	4595	4255	7462	5793	5443	-116	1620
1950 REGIONAL ENERGY S/D	-796	-3472	-3526	-3645	-3190	-1538	4406	5194	3861	5647	5823	4553	11541	6165	2285
1951 REGIONAL ENERGY S/D	2920	2888	-442	840	1709	4827	8142	9432	2234	7288	6779	6787	4724	4651	4403
1952 REGIONAL ENERGY S/D	3314	1940	351	2042	-582	-260	5127	3674	-1155	6587	7091	8591	6609	1636	2958
1953 REGIONAL ENERGY S/D	1407	-1831	-2974	-3044	-3688	-3245	-1517	6626	2322	-1235	480	3705	8685	4190	872
1954 REGIONAL ENERGY S/D	3921	520	-1926	-1260	-2157	-1530	2871	7536	1495	2465	2844	5256	9548	6999	2642
1955 REGIONAL ENERGY S/D	5387	3960	3935	305	-320	-2105	-142	-2335	-4294	4161	-308	488	9027	8177	1611
1956 REGIONAL ENERGY S/D	3428	2183	-643	389	629	3753	8586	6618	2408	6615	9598	9216	12342	4612	4902
1957 REGIONAL ENERGY S/D	4191	1815	-1132	-254	-2419	-1050	9	4617	1609	6338	2840	9022	8774	369	2261
1958 REGIONAL ENERGY S/D	1071	-2399	-2945	-2747	-3655	-3135	1152	6735	-826	1420	4279	7674	7348	-435	946
1959 REGIONAL ENERGY S/D	1097	-1767	-2866	-1564	-949	826	7764	6283	110	3526	2752	4076	9091	4282	2488
1960 REGIONAL ENERGY S/D	3251	614	3032	4824	2047	1838	4805	134	1117	10518	4927	2203	5773	3262	3224
1961 REGIONAL ENERGY S/D	2071	-1635	-3145	-1999	-1643	-3580	3049	7257	1987	3670	-240	4824	9523	688	1574
1962 REGIONAL ENERGY S/D	1631	-927	-3175	-1741	-3528	-2856	3208	-1404	-2515	5952	6574	2627	3320	1886	203
1963 REGIONAL ENERGY S/D	3789	64	-2893	-337	-378	293	3994	2643	-2433	2074	1443	1496	5916	1955	1162
1964 REGIONAL ENERGY S/D	2676	-363	-1784	-2143	-2770	-3262	332	3286	-3106	3071	616	2643	11150	6610	1163
1965 REGIONAL ENERGY S/D	3525	1830	455	212	-1023	3358	9465	8175	1730	3240	7725	6390	8231	2588	3978
1966 REGIONAL ENERGY S/D	3418	1385	-844	-488	-1615	-2608	2650	2313	-2177	6377	1398	1343	2280	3092	853
1967 REGIONAL ENERGY S/D	1830	-1246	-2674	-2292	-3084	-1669	5309	6693	289	1236	-1962	2298	9848	5751	1700
1968 REGIONAL ENERGY S/D	3103	1064	-1054	-548	-1680	-2318	4057	6171	2004	-1058	-1472	-638	5391	2557	1230
1969 REGIONAL ENERGY S/D	3637	1651	1010	1355	795	-307	7767	5345	1819	7790	7934	9030	7927	1587	3903
1970 REGIONAL ENERGY S/D	1185	-1663	-2553	-1182	-2948	-3466	314	4909	-361	143	129	2024	5912	1233	315
1971 REGIONAL ENERGY S/D	2008	-1633	-2998	-2330	-2909	-1190	7049	10253	3871	5227	5886	9010	11024	6061	3632
1972 REGIONAL ENERGY S/D	4514	3279	17	-1051	-1705	-1899	7733	9516	9835	9299	3050	8676	11937	7951	5090
1973 REGIONAL ENERGY S/D	5283	3990	750	-652	-2483	-1075	-22	-465	-2635	-3547	-2989	-1475	17	-288	-580
1974 REGIONAL ENERGY S/D	-56	-3968	-3827	-3119	-1841	2929	10394	10176	5500	8296	8273	8126	13163	9128	4742
1975 REGIONAL ENERGY S/D	4439	4459	601	-2321	-3197	-2192	2769	2935	4361	1089	1295	3968	8797	7542	2409
1976 REGIONAL ENERGY S/D	2049	634	-1673	-282	953	5764	8532	6527	489	8064	5325	8115	5522	6306	4024
1977 REGIONAL ENERGY S/D	5815	4563	5127	-658	-3794	-3343	-4119	-2069	-5448	-4305	-1725	-3091	-2089	-2045	-1613
1978 REGIONAL ENERGY S/D	-1882	-2893	-4060	-3920	-2499	-770	1202	202	1097	5531	2745	3993	3280	2952	269

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1998 WHITE BOOK: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	2000- 1 OPERATING YEAR		RUN DATE: 12/31/98												12 MO AVG
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	
1929 REGIONAL ENERGY S/D	3246	-988	-2693	-1184	-3498	-3497	-4802	-3011	-4559	-3944	-2549	-3894	1833	20	-2284
1930 REGIONAL ENERGY S/D	-315	-2846	-2963	-3278	-3969	-2814	-4613	-4245	-4558	-1188	2593	-4761	-2255	-438	-2898
1931 REGIONAL ENERGY S/D	-388	-1481	-3708	-3459	-3700	-3404	-4825	-5196	-4748	-837	-4304	-1090	-2016	2	-2971
1932 REGIONAL ENERGY S/D	-1491	-2863	-3987	-3127	-3090	-3612	-5679	-2512	558	6467	4761	3283	6376	1257	-591
1933 REGIONAL ENERGY S/D	702	-185	-2613	-1647	-1914	-1998	3620	1912	-3350	2133	-823	690	10591	7646	1154
1934 REGIONAL ENERGY S/D	2799	3141	-15	1466	920	6274	9052	7044	3134	8442	6302	3916	-69	-3289	3231
1935 REGIONAL ENERGY S/D	-1860	-3374	-2998	-2642	-2250	-1757	3352	1639	-1124	1789	351	-297	4449	2171	-84
1936 REGIONAL ENERGY S/D	1100	-2161	-3218	-2804	-4095	-3197	-4417	-2941	-3686	-1772	5982	3874	2271	1222	-1285
1937 REGIONAL ENERGY S/D	388	-2404	-2909	-3016	-3885	-3314	-5531	-4667	-5026	-3594	-4916	-988	1296	-376	-2807
1938 REGIONAL ENERGY S/D	-1316	-2224	-3124	-3321	-1988	-1492	2260	324	-1920	1969	3019	5286	5692	1198	623
1939 REGIONAL ENERGY S/D	788	-2848	-3015	-2457	-3877	-3029	-4476	142	-283	1878	2160	120	-2087	2114	-1322
1940 REGIONAL ENERGY S/D	836	-2226	-2902	-2062	-3476	-3030	-3301	-860	2234	2222	1812	-232	-2784	-1321	-1368
1941 REGIONAL ENERGY S/D	-1797	-3361	-3002	-1959	-3851	-3245	-3993	-3036	-3428	-3360	-2559	-2768	-146	-2009	-2748
1942 REGIONAL ENERGY S/D	-2466	-2806	-3166	-1750	-2586	1963	1393	119	-3923	-823	-1058	493	4142	2827	-339
1943 REGIONAL ENERGY S/D	2694	-110	-2784	-2076	-2796	-2490	2234	4850	1001	10116	6616	5218	7387	4019	2018
1944 REGIONAL ENERGY S/D	2428	527	-1678	-1328	-3738	-3075	-4546	-2031	-5208	-3833	-3856	-3437	-1154	-2123	-2557
1945 REGIONAL ENERGY S/D	-2138	-3013	-3635	-3142	-3571	-2319	-6155	-4037	-4514	-2800	-2493	1010	3227	1489	-2239
1946 REGIONAL ENERGY S/D	884	-1244	-2530	-2584	-2579	-836	3926	1243	470	3132	5616	6254	6410	2586	1379
1947 REGIONAL ENERGY S/D	2139	-1122	-1944	-870	-1883	1830	5953	6981	-648	2941	2927	3741	5807	997	1950
1948 REGIONAL ENERGY S/D	738	-1570	-2194	3849	649	-970	5390	3307	-720	624	3836	7568	13395	5883	3164
1949 REGIONAL ENERGY S/D	3108	3813	625	-411	-2738	-3505	-448	732	4512	4139	6408	4922	5287	-382	1444
1950 REGIONAL ENERGY S/D	-1092	-3590	-3409	-3037	-3275	-1620	4106	4995	3778	5532	4768	3682	11385	5899	2109
1951 REGIONAL ENERGY S/D	2624	2770	-324	1448	1624	4745	7841	9232	2151	7172	5725	5916	4568	4385	4228
1952 REGIONAL ENERGY S/D	3018	1822	468	2650	-667	-342	4827	3474	-1239	6471	6036	7720	6453	1370	2782
1953 REGIONAL ENERGY S/D	1111	-1949	-2857	-2435	-3773	-3328	-1818	6426	2239	-1350	-575	2834	8529	3924	697
1954 REGIONAL ENERGY S/D	3625	402	-1808	-652	-2241	-1612	2570	7336	1411	2349	1789	4385	9392	6733	2466
1955 REGIONAL ENERGY S/D	5091	3842	4052	913	-405	-2188	-443	-2534	-4378	4046	-1363	-383	8872	7911	1435
1956 REGIONAL ENERGY S/D	3132	2065	-526	997	544	3671	8285	6418	2324	6499	8543	8345	12186	4345	4726
1957 REGIONAL ENERGY S/D	3895	1697	-1015	354	-2504	-1133	-292	4418	1526	6222	1785	8152	8618	103	2085
1958 REGIONAL ENERGY S/D	775	-2517	-2827	-2138	-3739	-3217	851	6535	-910	1305	3225	6803	7192	-699	770
1959 REGIONAL ENERGY S/D	801	-1884	-2748	-955	-1034	743	7463	6083	26	3410	1698	3205	8936	4016	2312
1960 REGIONAL ENERGY S/D	2955	496	3149	5432	1962	1756	4504	-66	1033	10402	3872	1332	5617	2995	3048
1961 REGIONAL ENERGY S/D	1775	-1753	-3028	-1390	-1728	-3663	2748	7057	1903	3555	-1295	3953	9367	421	1398
1962 REGIONAL ENERGY S/D	1335	-1045	-3058	-1133	-3613	-2939	2907	-1604	-2599	5836	5519	1756	3164	1619	27
1963 REGIONAL ENERGY S/D	3493	-54	-2776	272	-463	211	3693	2443	-2516	1958	388	625	5760	1689	986
1964 REGIONAL ENERGY S/D	2380	-481	-1667	-1535	-2854	-3344	31	3087	-3190	2956	-438	1772	10994	6344	987
1965 REGIONAL ENERGY S/D	3229	1712	572	820	-1108	3275	9164	7975	1646	3124	6670	5519	8075	2321	3802
1966 REGIONAL ENERGY S/D	3122	1267	-727	120	-1700	-2691	2349	2113	-2261	6262	344	472	2124	2825	677
1967 REGIONAL ENERGY S/D	1534	-1364	-2557	-1684	-3169	-1751	5008	6493	206	1120	-3016	1427	9692	5485	1524
1968 REGIONAL ENERGY S/D	2807	946	-937	60	-1765	-2401	3756	5972	1920	-1174	-2526	-1509	5235	2291	1054
1969 REGIONAL ENERGY S/D	3341	1533	1127	1963	710	-390	7466	5145	1736	7674	6879	8159	7771	1320	3727
1970 REGIONAL ENERGY S/D	889	-1781	-2436	-573	-3033	-3549	13	4709	-445	27	-926	1153	5757	967	139
1971 REGIONAL ENERGY S/D	1712	-1751	-2881	-1721	-2994	-1272	6748	10053	3787	5111	4831	8140	10869	5795	3456
1972 REGIONAL ENERGY S/D	4218	3161	134	-442	-1790	-1982	7432	9316	9751	9183	1995	7805	11781	7684	4914
1973 REGIONAL ENERGY S/D	4987	3873	868	-44	-2568	-1158	-322	-664	-2719	-3663	-4043	-2346	-138	-555	-756
1974 REGIONAL ENERGY S/D	-352	-4086	-3710	-2510	-1926	-2847	10093	9976	5416	8180	7218	7255	13007	8861	4566
1975 REGIONAL ENERGY S/D	4143	4341	718	-1713	-3281	-2274	2468	2735	4278	974	240	3097	8641	7276	2233
1976 REGIONAL ENERGY S/D	1753	516	-1556	326	868	5682	8231	6327	405	7948	4270	7244	5366	6040	3848
1977 REGIONAL ENERGY S/D	5519	4445	5244	-50	-3879	-3426	-4420	-2269	-5531	-4420	-2779	-3961	-2245	-2308	-1789
1978 REGIONAL ENERGY S/D	-2178	-3011	-3943	-3311	-2584	-853	901	2	1014	5415	1690	3122	3124	2685	93

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ENERGY IN AVERAGE MEGAWATTS	2001- 2 OPERATING YEAR		RUN DATE: 12/31/98												12 MO AVG
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	
1929 REGIONAL ENERGY S/D	2946	-1299	-2997	-1561	-4058	-3840	-5051	-3315	-4998	-4233	-1727	-3061	1733	-103	-2451
1930 REGIONAL ENERGY S/D	-621	-3157	-3268	-3658	-4532	-3154	-4869	-4554	-4997	-1478	3418	-3923	-2359	-560	-3066
1931 REGIONAL ENERGY S/D	-691	-1789	-4014	-3839	-4266	-3747	-5083	-5507	-5198	-1129	-3483	-250	-2118	-118	-3140
1932 REGIONAL ENERGY S/D	-1794	-3173	-4295	-3502	-3657	-3960	-5939	-2822	111	6177	5578	4126	6285	1142	-760
1933 REGIONAL ENERGY S/D	396	-493	-2918	-2022	-2481	-2345	3370	1615	-3792	1846	-14	1531	10507	7544	990
1934 REGIONAL ENERGY S/D	2498	2837	-319	1092	357	5935	8814	6751	2699	8166	7127	4769	-167	-3410	3070
1935 REGIONAL ENERGY S/D	-2168	-3686	-3307	-3021	-2817	-2107	3104	1340	-1563	1504	1156	540	4355	2059	-251
1936 REGIONAL ENERGY S/D	796	-2474	-3530	-3182	-4664	-3544	-4674	-3244	-4138	-2067	6795	4719	2177	1106	-1454
1937 REGIONAL ENERGY S/D	85	-2713	-3213	-3394	-4451	-3658	-5787	-4976	-5476	-3891	-4107	-151	1194	-498	-2977
1938 REGIONAL ENERGY S/D	-1622	-2534	-3428	-3701	-2554	-1836	2009	24	1480	1679	3827	6134	5597	1083	457
1939 REGIONAL ENERGY S/D	480	-3160	-3320	-2836	-4439	-3371	-4728	-154	-719	1590	2977	963	-2188	1997	-1488
1940 REGIONAL ENERGY S/D	535	-2535	-3207	-2441	-4039	-3374	-3550	-1168	1787	1932	2629	608	-2883	-1441	-1536
1941 REGIONAL ENERGY S/D	-2103	-3672	-3308	-2337	-4418	-3588	-4247	-3347	-3876	-3653	-1739	-1926	-247	-2132	-2917
1942 REGIONAL ENERGY S/D	-2771	-3115	-3472	-2132	-3152	1626	1141	-180	-4369	-1117	-241	1332	4048	2714	-505
1943 REGIONAL ENERGY S/D	2393	-420	-3087	-2453	-3362	-2835	1980	4550	579	9836	7438	6067	7294	3905	1855
1944 REGIONAL ENERGY S/D	2126	217	-1983	-1700	-4296	-3414	-4787	-2335	-5648	-4122	-3033	-2601	-1256	-2247	-2723
1945 REGIONAL ENERGY S/D	-2443	-3323	-3940	-3518	-4133	-2658	-6415	-4346	-4954	-3088	-1676	1848	3130	1372	-2407
1946 REGIONAL ENERGY S/D	579	-1554	-2833	-2957	-3135	-1174	3685	953	41	2848	6439	7103	6318	2473	1219
1947 REGIONAL ENERGY S/D	1835	-1433	-2248	-1248	-2440	1491	5709	6695	-1072	2657	3745	4587	5717	882	1790
1948 REGIONAL ENERGY S/D	433	-1883	-2498	3476	93	-1311	5147	3021	-1149	337	4656	8419	13320	5777	3006
1949 REGIONAL ENERGY S/D	2807	3510	323	-788	-3294	-3847	-695	440	4083	3854	7232	5765	5195	-501	1282
1950 REGIONAL ENERGY S/D	-1401	-3903	-3712	-3417	-3841	-1962	3857	4706	3357	5248	5591	4526	11303	5789	1948
1951 REGIONAL ENERGY S/D	2320	2464	-628	1078	1070	4409	7608	8949	1729	6891	6549	6766	4473	4275	4070
1952 REGIONAL ENERGY S/D	2718	1513	164	2281	-1223	-681	4588	3184	-1662	6190	6857	8572	6362	1255	2623
1953 REGIONAL ENERGY S/D	806	-2262	-3161	-2814	-4331	-3668	-2074	6137	1813	-1629	240	3676	8439	3812	534
1954 REGIONAL ENERGY S/D	3323	91	-2113	-1028	-2803	-1954	2319	7052	989	2061	2604	5233	9309	6626	2306
1955 REGIONAL ENERGY S/D	4794	3540	3755	539	-970	-2531	-692	-2840	-4823	3764	-543	456	8784	7809	1272
1956 REGIONAL ENERGY S/D	2832	1757	-828	620	-21	3332	8047	6138	1898	6217	9372	9199	12104	4235	4568
1957 REGIONAL ENERGY S/D	3593	1389	-1318	-24	-3060	-1475	-532	4129	1092	5950	2600	9004	8529	-14	1925
1958 REGIONAL ENERGY S/D	468	-2829	-3132	-2517	-4299	-3560	607	6248	-1338	1018	4044	7651	7102	-819	608
1959 REGIONAL ENERGY S/D	496	-2195	-3052	-1333	-1600	403	7216	5789	-407	3126	2513	4052	8851	3905	2150
1960 REGIONAL ENERGY S/D	2656	186	2850	5059	1402	1417	4256	-357	604	10131	4694	2172	5524	2884	2887
1961 REGIONAL ENERGY S/D	1472	-2064	-3332	-1769	-2292	-4010	2499	6766	1466	3273	-484	4802	9286	306	1235
1962 REGIONAL ENERGY S/D	1031	-1355	-3368	-1513	-4179	-3284	2657	-1906	-3035	5553	6341	2598	3069	1503	-139
1963 REGIONAL ENERGY S/D	3193	-364	-3081	-106	-1027	-130	3443	2143	-2950	1671	1210	1464	5666	1575	821
1964 REGIONAL ENERGY S/D	2077	-790	-1969	-1908	-3420	-3686	-219	2798	-3620	2666	375	2611	10909	6239	825
1965 REGIONAL ENERGY S/D	2929	1403	269	447	-1668	2938	8932	7693	1219	2836	7495	6367	7984	2208	3643
1966 REGIONAL ENERGY S/D	2823	958	-1033	-248	-2254	-3027	2111	1825	-2691	5980	1161	1313	2031	2711	517
1967 REGIONAL ENERGY S/D	1230	-1675	-2861	-2061	-3735	-2095	4761	6199	-227	838	-2205	2267	9607	5380	1361
1968 REGIONAL ENERGY S/D	2508	637	-1239	-314	-2324	-2742	3515	5688	1496	-1458	-1708	-673	5143	2179	893
1969 REGIONAL ENERGY S/D	3040	1225	827	1595	154	-725	7229	4866	1307	7385	7697	9011	7684	1207	3569
1970 REGIONAL ENERGY S/D	585	-2091	-2740	-950	-3597	-3890	-241	4418	-872	-255	-106	1990	5661	850	-25
1971 REGIONAL ENERGY S/D	1408	-2063	-3186	-2096	-3551	-1611	6510	9773	3359	4832	5654	8991	10781	5684	3298
1972 REGIONAL ENERGY S/D	3920	2856	-168	-811	-2346	-2320	7192	9035	9337	8907	2814	8657	11698	7583	4759
1973 REGIONAL ENERGY S/D	4690	3572	566	-413	-3123	-1496	-566	-956	-3152	-3952	-3222	-1509	-239	-674	-918
1974 REGIONAL ENERGY S/D	-657	-4397	-4015	-2887	-2482	2511	9866	9700	4990	7899	8044	8105	12926	8759	4410
1975 REGIONAL ENERGY S/D	3843	4038	417	-2084	-3838	-2613	2230	2445	3857	688	1058	3939	8550	7170	2074
1976 REGIONAL ENERGY S/D	1448	205	-1860	-45	315	5349	7997	6045	-18	7668	5093	8094	5269	5935	3691
1977 REGIONAL ENERGY S/D	5223	4145	4950	-418	-4435	-3766	-4661	-2571	-5974	-4709	-1955	-3123	-2345	-2430	-1952
1978 REGIONAL ENERGY S/D	-2482	-3319	-4254	-3694	-3150	-1199	647	-300	569	5136	2509	3966	3026	2572	-75

REGIONAL ENERGY ANALYSIS

REGIONAL ENERGY SURPLUS/DEFICIT  
FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
(REGION TABLE 1 LINE 35)

1998 WHITE BOOK: 12/31/98

2002- 3 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	12 MO AVG
1929 REGIONAL ENERGY S/D	2901	-1345	-2907	-1601	-3940	-3969	-4919	-3205	-4917	-4171	-3044	-4314	1584	-238	-2605
1930 REGIONAL ENERGY S/D	-671	-3203	-3177	-3698	-4412	-3283	-4739	-4443	-4916	-1417	2103	-5174	-2508	-693	-3220
1931 REGIONAL ENERGY S/D	-738	-1834	-3924	-3879	-4147	-3876	-4954	-5396	-5117	-1068	-4798	-1500	-2266	-251	-3294
1932 REGIONAL ENERGY S/D	-1842	-3218	-4204	-3542	-3538	-4089	-5809	-2711	194	6242	4263	2876	6143	1013	-912
1933 REGIONAL ENERGY S/D	347	-537	-2827	-2060	-2362	-2474	3505	1732	-3707	1910	-1336	282	10368	7421	839
1934 REGIONAL ENERGY S/D	2452	2795	-226	1055	477	5809	8955	6874	2790	8236	5814	3524	-313	-3542	2921
1935 REGIONAL ENERGY S/D	-2217	-3732	-3217	-3061	-2698	-2236	3239	1457	-1478	1572	-165	-711	4211	1932	-403
1936 REGIONAL ENERGY S/D	750	-2520	-3439	-3221	-4545	-3674	-4545	-3131	-4057	-2007	5477	3470	2033	975	-1607
1937 REGIONAL ENERGY S/D	39	-2760	-3123	-3434	-4332	-3788	-5656	-4866	-5395	-3831	-5427	-1403	1046	-632	-3131
1938 REGIONAL ENERGY S/D	-1672	-2580	-3338	-3741	-2436	-1966	2142	141	1564	1743	2508	4888	5454	953	305
1939 REGIONAL ENERGY S/D	431	-3208	-3229	-2874	-4321	-3500	-4596	-40	-638	1652	1659	-287	-2336	1866	-1641
1940 REGIONAL ENERGY S/D	489	-2582	-3115	-2479	-3920	-3504	-3416	-1056	1871	1995	1312	-643	-3031	-1574	-1688
1941 REGIONAL ENERGY S/D	-2151	-3718	-3218	-2375	-4299	-3717	-4117	-3237	-3795	-3593	-3055	-3177	-394	-2266	-3071
1942 REGIONAL ENERGY S/D	-2820	-3161	-3383	-2167	-3034	1499	1273	-65	-4286	-1056	-1558	80	3903	2585	-658
1943 REGIONAL ENERGY S/D	2347	-465	-2998	-2492	-3244	-2967	2112	4665	666	9903	6121	4821	7151	3774	1703
1944 REGIONAL ENERGY S/D	2080	173	-1893	-1738	-4177	-3544	-4656	-2224	-5568	-4062	-4350	-3854	-1406	-2381	-2877
1945 REGIONAL ENERGY S/D	-2491	-3369	-3849	-3559	-4014	-2788	-6288	-4236	-4873	-3029	-2997	598	2983	1240	-2561
1946 REGIONAL ENERGY S/D	530	-1600	-2742	-2997	-3016	-1303	3816	1069	126	2912	5122	5858	6175	2344	1068
1947 REGIONAL ENERGY S/D	1789	-1478	-2158	-1286	-2322	1362	5844	6812	-984	2721	2428	3339	5575	752	1639
1948 REGIONAL ENERGY S/D	384	-1929	-2408	3440	213	-1440	5281	3137	-1062	400	3339	7173	13186	5652	2856
1949 REGIONAL ENERGY S/D	2761	3468	415	-826	-3177	-3979	-563	555	4168	3918	5917	4517	5050	-633	1130
1950 REGIONAL ENERGY S/D	-1451	-3950	-3624	-3458	-3724	-2091	3990	4823	3447	5313	4275	3277	11164	5662	1797
1951 REGIONAL ENERGY S/D	2272	2422	-536	1041	1190	4280	7745	9068	1819	6958	5236	5521	4328	4148	3921
1952 REGIONAL ENERGY S/D	2672	1470	256	2244	-1104	-809	4722	3298	-1576	6255	5540	7326	6219	1125	2472
1953 REGIONAL ENERGY S/D	757	-2309	-3071	-2854	-4212	-3797	-1946	6253	1901	-1563	-1081	2427	8296	3684	382
1954 REGIONAL ENERGY S/D	3276	46	-2022	-1066	-2684	-2083	2453	7170	1076	2122	1284	3986	9170	6501	2155
1955 REGIONAL ENERGY S/D	4752	3500	3851	502	-851	-2661	-559	-2726	-4742	3829	-1864	-796	8643	7686	1121
1956 REGIONAL ENERGY S/D	2786	1715	-739	583	99	3205	8184	6258	1984	6283	8057	7955	11966	4108	4419
1957 REGIONAL ENERGY S/D	3547	1345	-1227	-61	-2942	-1605	-398	4246	1176	6019	1278	7759	8389	-145	1774
1958 REGIONAL ENERGY S/D	419	-2876	-3041	-2557	-4180	-3691	740	6365	-1252	1079	2726	6403	6960	-951	456
1959 REGIONAL ENERGY S/D	448	-2241	-2962	-1371	-1481	274	7353	5910	-319	3191	1195	2804	8712	3777	1999
1960 REGIONAL ENERGY S/D	2610	142	2945	5026	1524	1289	4391	-241	689	10201	3379	923	5380	2756	2737
1961 REGIONAL ENERGY S/D	1425	-2112	-3243	-1807	-2174	-4139	2631	6887	1553	3339	-1804	3556	9149	176	1084
1962 REGIONAL ENERGY S/D	984	-1400	-3280	-1552	-4061	-3415	2789	-1789	-2952	5618	5024	1349	2924	1372	-292
1963 REGIONAL ENERGY S/D	3148	-409	-2990	-144	-908	-258	3578	2259	-2866	1733	-105	213	5520	1446	669
1964 REGIONAL ENERGY S/D	2031	-836	-1879	-1947	-3302	-3817	-87	2914	-3537	2728	-946	1361	10768	6114	673
1965 REGIONAL ENERGY S/D	2885	1360	362	411	-1549	2809	9069	7813	1306	2899	6180	5119	7841	2079	3493
1966 REGIONAL ENERGY S/D	2778	914	-942	-286	-2135	-3158	2245	1941	-2607	6046	-156	62	1887	2581	365
1967 REGIONAL ENERGY S/D	1184	-1722	-2771	-2099	-3617	-2226	4895	6318	-138	902	-3527	1018	9467	5256	1210
1968 REGIONAL ENERGY S/D	2463	593	-1148	-352	-2205	-2872	3647	5806	1584	-1396	-3028	-1927	4999	2051	741
1969 REGIONAL ENERGY S/D	2995	1182	919	1558	273	-855	7365	4988	1394	7451	6384	7768	7542	1077	3419
1970 REGIONAL ENERGY S/D	537	-2137	-2650	-988	-3480	-4021	-110	4532	-785	-192	-1425	739	5515	720	-178
1971 REGIONAL ENERGY S/D	1361	-2109	-3096	-2134	-3434	-1741	6643	9893	3445	4899	4339	7747	10641	5557	3147
1972 REGIONAL ENERGY S/D	3875	2815	-76	-850	-2228	-2450	7326	9155	9430	8975	1497	7411	11558	7460	4610
1973 REGIONAL ENERGY S/D	4646	3532	657	-451	-3006	-1626	-435	-843	-3070	-3892	-4540	-2761	-387	-806	-1071
1974 REGIONAL ENERGY S/D	-707	-4445	-3925	-2927	-2364	2385	10006	9824	5078	7966	6730	6860	12790	8637	4261
1975 REGIONAL ENERGY S/D	3797	3998	510	-2124	-3720	-2743	2362	2560	3945	751	-263	2689	8407	7045	1923
1976 REGIONAL ENERGY S/D	1400	161	-1770	-84	434	5221	8135	6165	68	7734	3775	6849	5124	5810	3540
1977 REGIONAL ENERGY S/D	5179	4105	5047	-457	-4318	-3896	-4529	-2461	-5893	-4650	-3271	-4374	-2494	-2563	-2105
1978 REGIONAL ENERGY S/D	-2531	-3366	-4164	-3734	-3032	-1331	777	-186	653	5202	1192	2718	2880	2443	-227

REGIONAL ENERGY ANALYSIS

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(REGION TABLE 1 LINE 35)

1998 WHITE BOOK: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	2003- 4 OPERATING YEAR				RUN DATE: 12/31/98											
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	12 MO AVG	
1929 REGIONAL ENERGY S/D	2717	-1533	-3258	-1825	-4133	-4163	-5139	-3433	-5212	-4784	-2294	-2616	1641	-213	-2608	
1930 REGIONAL ENERGY S/D	-860	-3392	-3528	-3923	-4606	-3476	-4962	-4671	-5209	-2029	2854	-3472	-2452	-665	-3223	
1931 REGIONAL ENERGY S/D	-926	-2022	-4275	-4105	-4339	-4067	-5177	-5625	-5410	-1679	-4048	203	-2210	-220	-3297	
1932 REGIONAL ENERGY S/D	-2029	-3406	-4556	-3768	-3730	-4283	-6030	-2941	-96	5635	5015	4580	6205	1041	-914	
1933 REGIONAL ENERGY S/D	160	-726	-3178	-2287	-2555	-2668	3289	1510	-3995	1302	-589	1985	10433	7458	839	
1934 REGIONAL ENERGY S/D	2267	2611	-576	832	287	5622	8744	6661	2506	7633	6568	5233	-253	-3511	2924	
1935 REGIONAL ENERGY S/D	-2406	-3921	-3568	-3287	-2891	-2430	3020	1234	-1766	968	582	992	4272	1963	-404	
1936 REGIONAL ENERGY S/D	565	-2709	-3790	-3447	-4738	-3866	-4769	-3356	-4352	-2619	6227	5175	2094	1005	-1609	
1937 REGIONAL ENERGY S/D	-148	-2949	-3474	-3659	-4523	-3980	-5879	-5093	-5689	-4442	-4680	297	1104	-606	-3134	
1938 REGIONAL ENERGY S/D	-1860	-2768	-3689	-3967	-2629	-2159	1922	-83	1276	1136	3257	6596	5515	982	304	
1939 REGIONAL ENERGY S/D	243	-3399	-3580	-3101	-4514	-3694	-4816	-265	-930	1041	2406	1417	-2279	1895	-1643	
1940 REGIONAL ENERGY S/D	302	-2770	-3467	-2705	-4112	-3697	-3636	-1284	1579	1385	2063	1058	-2973	-1543	-1691	
1941 REGIONAL ENERGY S/D	-2340	-3908	-3569	-2600	-4491	-3911	-4337	-3466	-4087	-4205	-2305	-1473	-337	-2232	-3073	
1942 REGIONAL ENERGY S/D	-3009	-3350	-3734	-2392	-3226	1310	1053	-287	-4576	-1668	-808	1782	3963	2615	-659	
1943 REGIONAL ENERGY S/D	2161	-653	-3349	-2717	-3438	-3161	1892	4441	381	9298	6872	6527	7213	3805	1703	
1944 REGIONAL ENERGY S/D	1894	-16	-2245	-1964	-4372	-3738	-4875	-2453	-5862	-4675	-3600	-2154	-1350	-2348	-2880	
1945 REGIONAL ENERGY S/D	-2680	-3558	-4201	-3785	-4206	-2980	-6512	-4465	-5167	-3640	-2251	2299	3043	1269	-2564	
1946 REGIONAL ENERGY S/D	343	-1789	-3093	-3224	-3210	-1496	3598	845	-163	2303	5873	7566	6237	2374	1067	
1947 REGIONAL ENERGY S/D	1604	-1667	-2508	-1512	-2515	1171	5629	6595	-1270	2112	3177	5045	5638	782	1639	
1948 REGIONAL ENERGY S/D	197	-2119	-2759	3219	22	-1632	5064	2917	-1351	-209	4088	8881	13256	5688	2857	
1949 REGIONAL ENERGY S/D	2575	3283	67	-1051	-3370	-4173	-782	332	3878	3309	6669	6221	5111	-604	1129	
1950 REGIONAL ENERGY S/D	-1640	-4139	-3973	-3685	-3919	-2283	3773	4603	3161	4706	5025	4982	11231	5695	1797	
1951 REGIONAL ENERGY S/D	2086	2235	-887	816	998	4090	7532	8853	1534	6353	5989	7228	4389	4182	3922	
1952 REGIONAL ENERGY S/D	2487	1283	-93	2021	-1299	-1002	4505	3076	-1862	5649	6291	9035	6280	1156	2473	
1953 REGIONAL ENERGY S/D	570	-2499	-3423	-3080	-4406	-3990	-2169	6030	1615	-2169	-335	4131	8358	3716	381	
1954 REGIONAL ENERGY S/D	3091	-141	-2372	-1291	-2876	-2277	2235	6952	790	1512	2031	5693	9237	6534	2156	
1955 REGIONAL ENERGY S/D	4570	3316	3506	278	-1043	-2853	-778	-2952	-5036	3221	-1116	905	8706	7723	1121	
1956 REGIONAL ENERGY S/D	2600	1528	-1088	359	-92	3013	7972	6043	1696	5676	8812	9665	12033	4139	4421	
1957 REGIONAL ENERGY S/D	3362	1158	-1577	-286	-3135	-1799	-616	4023	885	5417	2025	9468	8453	-118	1773	
1958 REGIONAL ENERGY S/D	232	-3065	-3392	-2783	-4374	-3886	521	6143	-1540	470	3475	8110	7023	-919	455	
1959 REGIONAL ENERGY S/D	261	-2430	-3312	-1595	-1675	81	7139	5694	-604	2584	1943	4510	8778	3809	2000	
1960 REGIONAL ENERGY S/D	2426	-46	2599	4804	1333	1099	4176	-462	400	9599	4129	2626	5441	2789	2738	
1961 REGIONAL ENERGY S/D	1238	-2302	-3593	-2032	-2367	-4334	2413	6670	1266	2733	-1058	5263	9216	204	1084	
1962 REGIONAL ENERGY S/D	799	-1588	-3630	-1777	-4254	-3609	2571	-2011	-3243	5010	5774	3053	2985	1400	-293	
1963 REGIONAL ENERGY S/D	2962	-597	-3342	-369	-1101	-450	3360	2037	-3156	1123	645	1915	5580	1476	668	
1964 REGIONAL ENERGY S/D	1845	-1025	-2228	-2174	-3495	-4010	-306	2693	-3827	2117	-202	3064	10835	6148	672	
1965 REGIONAL ENERGY S/D	2700	1172	13	187	-1742	2618	8858	7598	1019	2289	6932	6826	7904	2109	3495	
1966 REGIONAL ENERGY S/D	2593	726	-1292	-511	-2327	-3350	2027	1720	-2899	5438	593	1765	1948	2611	364	
1967 REGIONAL ENERGY S/D	998	-1911	-3120	-2326	-3809	-2418	4679	6102	-423	295	-2783	2722	9532	5290	1211	
1968 REGIONAL ENERGY S/D	2277	406	-1497	-577	-2399	-3066	3429	5587	1298	-2004	-2280	-226	5061	2082	741	
1969 REGIONAL ENERGY S/D	2809	995	571	1334	82	-1046	7150	4772	1104	6845	7137	9477	7607	1108	3421	
1970 REGIONAL ENERGY S/D	350	-2326	-3000	-1214	-3672	-4215	-330	4308	-1073	-800	-677	2441	5574	749	-180	
1971 REGIONAL ENERGY S/D	1174	-2299	-3448	-2362	-3626	-1933	6428	9680	3157	4295	5090	9457	10706	5589	3148	
1972 REGIONAL ENERGY S/D	3691	2629	-426	-1076	-2421	-2644	7111	8940	9149	8372	2245	9120	11626	7495	4612	
1973 REGIONAL ENERGY S/D	4463	3347	309	-676	-3198	-1820	-656	-1068	-3362	-4502	-3791	-1061	-329	-778	-1073	
1974 REGIONAL ENERGY S/D	-895	-4634	-4276	-3154	-2558	2194	9796	9612	4792	7361	7483	8568	12858	8672	4264	
1975 REGIONAL ENERGY S/D	3613	3812	161	-2350	-3913	-2938	2145	2337	3659	143	485	4393	8470	7081	1923	
1976 REGIONAL ENERGY S/D	1214	-28	-2121	-309	242	5031	7922	5947	-219	7129	4526	8557	5184	5844	3542	
1977 REGIONAL ENERGY S/D	4997	3922	4704	-682	-4511	-4090	-4749	-2690	-6187	-5261	-2520	-2673	-2438	-2529	-2106	
1978 REGIONAL ENERGY S/D	-2719	-3554	-4516	-3961	-3225	-1524	558	-410	363	4598	1942	4422	2940	2473	-229	

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REGIONAL ENERGY SURPLUS/DEFICIT  
FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
(REGION TABLE 1 LINE 35)

1998 WHITE BOOK: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	2004- 5 OPERATING YEAR					RUN DATE: 12/31/98										12 MO AVG
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL		
1929 REGIONAL ENERGY S/D	2731	-1521	-3217	-1945	-4415	-4148	-5366	-3798	-5537	-5248	-3663	-3595	1660	-262	-2873	
1930 REGIONAL ENERGY S/D	-843	-3376	-3487	-4045	-4886	-3461	-5191	-5035	-5536	-2493	1487	-4448	-2435	-711	-3487	
1931 REGIONAL ENERGY S/D	-908	-2006	-4234	-4226	-4620	-4052	-5407	-5988	-5736	-2143	-5416	-772	-2191	-266	-3561	
1932 REGIONAL ENERGY S/D	-2010	-3390	-4515	-3889	-4011	-4268	-6260	-3304	-420	5176	3650	3608	6229	998	-1177	
1933 REGIONAL ENERGY S/D	173	-711	-3137	-2406	-2837	-2651	3065	1153	-4317	843	-1962	1011	10460	7421	578	
1934 REGIONAL ENERGY S/D	2285	2625	-534	714	8	5643	8527	6308	2190	7180	5204	4264	-233	-3558	2665	
1935 REGIONAL ENERGY S/D	-2389	-3906	-3527	-3407	-3172	-2413	2796	876	-2087	512	-790	15	4294	1922	-666	
1936 REGIONAL ENERGY S/D	578	-2695	-3750	-3567	-5020	-3850	-4999	-3717	-4676	-3083	4858	4203	2116	960	-1873	
1937 REGIONAL ENERGY S/D	-129	-2932	-3433	-3780	-4804	-3966	-6107	-5459	-6015	-4907	-6051	-681	1122	-653	-3399	
1938 REGIONAL ENERGY S/D	-1844	-2752	-3648	-4087	-2910	-2143	1696	-442	955	675	1886	5624	5537	938	42	
1939 REGIONAL ENERGY S/D	254	-3384	-3540	-3220	-4797	-3680	-5043	-624	-1256	578	1036	443	-2261	1851	-1907	
1940 REGIONAL ENERGY S/D	322	-2754	-3426	-2824	-4393	-3682	-3861	-1645	1256	923	694	84	-2955	-1590	-1954	
1941 REGIONAL ENERGY S/D	-2321	-3892	-3528	-2720	-4773	-3897	-4565	-3830	-4412	-4670	-3673	-2449	-319	-2281	-3338	
1942 REGIONAL ENERGY S/D	-2989	-3334	-3694	-2513	-3508	1328	826	-646	-4900	-2132	-2177	806	3984	2573	-922	
1943 REGIONAL ENERGY S/D	2176	-637	-3308	-2837	-3720	-3145	1665	4081	62	8841	5505	5557	7235	3761	1441	
1944 REGIONAL ENERGY S/D	1911	-6	-2205	-2083	-4654	-3724	-5101	-2818	-6189	-5138	-4969	-3132	-1333	-2396	-3145	
1945 REGIONAL ENERGY S/D	-2661	-3542	-4161	-3905	-4488	-2965	-6743	-4828	-5493	-4104	-3623	1324	3064	1223	-2828	
1946 REGIONAL ENERGY S/D	357	-1772	-3053	-3345	-3491	-1480	3372	485	-486	1842	4505	6597	6261	2332	805	
1947 REGIONAL ENERGY S/D	1617	-1653	-2467	-1631	-2797	1189	5405	6238	-1590	1653	1808	4072	5662	738	1378	
1948 REGIONAL ENERGY S/D	209	-2108	-2718	3103	-258	-1615	4841	2559	-1671	-671	2720	7912	13288	5649	2597	
1949 REGIONAL ENERGY S/D	2591	3296	109	-1171	-3651	-4160	-1009	-27	3559	2847	5302	5247	5133	-651	866	
1950 REGIONAL ENERGY S/D	-1629	-4126	-3933	-3806	-4202	-2267	3548	4245	2845	4246	3659	4010	11259	5654	1536	
1951 REGIONAL ENERGY S/D	2100	2247	-845	699	718	4107	7311	8498	1216	5894	4623	6258	4410	4141	3662	
1952 REGIONAL ENERGY S/D	2504	1293	-52	1904	-1580	-985	4282	2716	-2182	5189	4923	8066	6304	1112	2212	
1953 REGIONAL ENERGY S/D	583	-2485	-3382	-3200	-4687	-3976	-2400	5671	1296	-2628	-1707	3157	8383	3675	118	
1954 REGIONAL ENERGY S/D	3105	-131	-2331	-1410	-3157	-2263	2010	6597	472	1049	659	4722	9265	6496	1895	
1955 REGIONAL ENERGY S/D	4588	3332	3551	160	-1324	-2836	-1003	-3313	-5361	2761	-2487	-71	8730	7686	860	
1956 REGIONAL ENERGY S/D	2619	1540	-1045	242	-373	3031	7751	5689	1376	5217	7447	8697	12061	4098	4161	
1957 REGIONAL ENERGY S/D	3375	1170	-1536	-405	-3417	-1784	-842	3665	561	4962	653	8500	8478	-162	1511	
1958 REGIONAL ENERGY S/D	244	-3050	-3352	-2903	-4655	-3872	295	5785	-1860	7	2106	7139	7047	-965	193	
1959 REGIONAL ENERGY S/D	276	-2415	-3271	-1714	-1956	100	6917	5340	-924	2125	572	3538	8805	3768	1740	
1960 REGIONAL ENERGY S/D	2444	-37	2644	4689	1055	1117	3953	-819	79	9146	2762	1651	5463	2746	2478	
1961 REGIONAL ENERGY S/D	1252	-2288	-3553	-2153	-2648	-4320	2189	6316	946	2276	-2430	4293	9245	161	823	
1962 REGIONAL ENERGY S/D	813	-1573	-3589	-1895	-4536	-3595	2346	-2369	-3566	4550	4407	2079	3006	1357	-555	
1963 REGIONAL ENERGY S/D	2978	-582	-3301	-488	-1381	-432	3136	1679	-3479	660	-724	939	5602	1434	406	
1964 REGIONAL ENERGY S/D	1859	-1010	-2185	-2293	-3777	-3996	-532	2335	-4149	1653	-1574	2089	10861	6111	411	
1965 REGIONAL ENERGY S/D	2718	1182	55	69	-2024	2635	8637	7244	699	1826	5565	5855	7927	2066	3234	
1966 REGIONAL ENERGY S/D	2612	736	-1252	-629	-2609	-3335	1802	1363	-3220	4981	-777	791	1972	2568	102	
1967 REGIONAL ENERGY S/D	1011	-1895	-3080	-2445	-4091	-2403	4455	5746	-741	-165	-4156	1747	9558	5252	950	
1968 REGIONAL ENERGY S/D	2298	418	-1456	-697	-2680	-3050	3203	5232	980	-2465	-3650	-1203	5084	2042	480	
1969 REGIONAL ENERGY S/D	2824	1006	615	1216	-198	-1029	6927	4419	784	6388	5772	8508	7633	1065	3161	
1970 REGIONAL ENERGY S/D	366	-2312	-2959	-1332	-3953	-4201	-557	3947	-1394	-1261	-2046	1465	5595	704	-443	
1971 REGIONAL ENERGY S/D	1186	-2285	-3408	-2482	-3910	-1918	6203	9327	2837	3837	3724	8488	10731	5548	2887	
1972 REGIONAL ENERGY S/D	3708	2641	-385	-1195	-2703	-2629	6886	8586	8836	7916	876	8152	11653	7458	4352	
1973 REGIONAL ENERGY S/D	4481	3366	352	-796	-3480	-1805	-884	-1429	-3686	-4966	-5161	-2038	-310	-825	-1337	
1974 REGIONAL ENERGY S/D	-882	-4619	-4236	-3275	-2840	2214	9577	9262	4473	6902	6117	7599	12888	8635	4005	
1975 REGIONAL ENERGY S/D	3630	3826	204	-2469	-4196	-2924	1920	1977	3342	-320	-886	3419	8494	7041	1661	
1976 REGIONAL ENERGY S/D	1225	-19	-2080	-428	-38	5050	7701	5592	-538	6671	3158	7587	5205	5805	3281	
1977 REGIONAL ENERGY S/D	5015	3940	4750	-801	-4793	-4076	-4975	-3054	-6514	-5726	-3888	-3650	-2419	-2577	-2370	
1978 REGIONAL ENERGY S/D	-2698	-3538	-4476	-4081	-3506	-1510	331	-771	40	4140	572	3449	2959	2430	-492	

REGIONAL ENERGY ANALYSIS

REGIONAL ENERGY SURPLUS/DEFICIT  
FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
(REGION TABLE 1 LINE 35)

1998 WHITE BOOK: 12/31/98

2005- 6 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	12 MO AVG
1929 REGIONAL ENERGY S/D	2830	-1429	-2883	-1734	-4163	-4149	-5343	-3805	-5526	-4540	-1838	-3351	1570	-246	-2676
1930 REGIONAL ENERGY S/D	-749	-3284	-3152	-3834	-4633	-3461	-5171	-5041	-5524	-1785	3313	-4202	-2526	-695	-3291
1931 REGIONAL ENERGY S/D	-811	-1913	-3900	-4016	-4367	-4052	-5388	-5995	-5725	-1433	-3590	-523	-2281	-250	-3364
1932 REGIONAL ENERGY S/D	-1913	-3298	-4181	-3678	-3758	-4270	-6240	-3311	-404	5889	5476	3856	6145	1018	-979
1933 REGIONAL ENERGY S/D	268	-617	-2802	-2195	-2584	-2653	3089	1153	-4299	1554	-140	1258	10379	7447	777
1934 REGIONAL ENERGY S/D	2382	2722	-197	927	263	5647	8556	6314	2212	7897	7034	4516	-319	-3542	2866
1935 REGIONAL ENERGY S/D	-2295	-3813	-3192	-3196	-2918	-2415	2821	877	-2070	1226	1033	261	4208	1943	-467
1936 REGIONAL ENERGY S/D	675	-2603	-3415	-3356	-4767	-3851	-4979	-3719	-4665	-2374	6682	4452	2032	979	-1675
1937 REGIONAL ENERGY S/D	-33	-2840	-3099	-3569	-4551	-3966	-6087	-5464	-6003	-4199	-4230	-434	1032	-637	-3202
1938 REGIONAL ENERGY S/D	-1750	-2659	-3314	-3878	-2656	-2144	1719	-442	973	1388	3710	5877	5452	958	241
1939 REGIONAL ENERGY S/D	349	-3293	-3205	-3010	-4545	-3680	-5022	-626	-1243	1287	2859	691	-2350	1869	-1710
1940 REGIONAL ENERGY S/D	419	-2662	-3091	-2613	-4139	-3684	-3838	-1650	1270	1634	2519	330	-3044	-1573	-1756
1941 REGIONAL ENERGY S/D	-2227	-3800	-3193	-2508	-4520	-3898	-4544	-3836	-4398	-3964	-1847	-2201	-408	-2265	-3141
1942 REGIONAL ENERGY S/D	-2894	-3241	-3360	-2301	-3255	1331	849	-645	-4885	-1425	-351	1053	3899	2594	-723
1943 REGIONAL ENERGY S/D	2273	-544	-2974	-2626	-3466	-3149	1686	4078	83	9556	7331	5809	7149	3782	1640
1944 REGIONAL ENERGY S/D	2008	87	-1869	-1873	-4402	-3725	-5079	-2825	-6177	-4431	-3145	-2888	-1424	-2382	-2949
1945 REGIONAL ENERGY S/D	-2567	-3450	-3827	-3696	-4234	-2966	-6725	-4834	-5480	-3395	-1804	1569	2976	1241	-2632
1946 REGIONAL ENERGY S/D	451	-1680	-2717	-3135	-3238	-1481	3394	484	-470	2553	6332	6850	6177	2353	1004
1947 REGIONAL ENERGY S/D	1715	-1561	-2132	-1421	-2544	1189	5429	6240	-1571	2364	3633	4321	5579	757	1577
1948 REGIONAL ENERGY S/D	304	-2016	-2383	3317	-3	-1616	4864	2559	-1655	39	4544	8165	13212	5672	2797
1949 REGIONAL ENERGY S/D	2689	3392	446	-959	-3399	-4162	-986	-28	3575	3559	7130	5495	5048	-634	1065
1950 REGIONAL ENERGY S/D	-1536	-4035	-3599	-3596	-3951	-2268	3571	4244	2866	4958	5484	4260	11180	5677	1735
1951 REGIONAL ENERGY S/D	2195	2342	-509	912	973	4108	7338	8501	1238	6608	6451	6510	4323	4163	3863
1952 REGIONAL ENERGY S/D	2601	1388	284	2118	-1327	-985	4306	2715	-2163	5903	6748	8320	6220	1131	2412
1953 REGIONAL ENERGY S/D	679	-2395	-3049	-2990	-4434	-3977	-2381	5670	1316	-1914	113	3405	8300	3695	316
1954 REGIONAL ENERGY S/D	3203	-38	-1997	-1199	-2904	-2264	2033	6599	492	1759	2480	4974	9185	6520	2095
1955 REGIONAL ENERGY S/D	4688	3430	3893	373	-1070	-2837	-980	-3315	-5348	3474	-664	175	8648	7712	1060
1956 REGIONAL ENERGY S/D	2716	1636	-709	454	-119	3032	7778	5693	1394	5931	9276	8953	11982	4121	4363
1957 REGIONAL ENERGY S/D	3473	1264	-1201	-193	-3165	-1784	-819	3665	575	5680	2474	8754	8396	-143	1711
1958 REGIONAL ENERGY S/D	338	-2958	-3016	-2693	-4402	-3874	317	5787	-1843	717	3930	7391	6964	-948	391
1959 REGIONAL ENERGY S/D	371	-2323	-2938	-1503	-1703	100	6942	5344	-903	2837	2396	3786	8725	3790	1940
1960 REGIONAL ENERGY S/D	2542	57	2983	4905	1310	1118	3977	-819	97	9864	4587	1900	5377	2769	2679
1961 REGIONAL ENERGY S/D	1348	-2197	-3218	-1941	-2395	-4322	2212	6321	966	2990	-610	4543	9166	180	1023
1962 REGIONAL ENERGY S/D	909	-1481	-3254	-1685	-4284	-3597	2369	-2370	-3552	5262	6232	2327	2920	1376	-357
1963 REGIONAL ENERGY S/D	3076	-489	-2966	-276	-1129	-432	3160	1679	-3463	1370	1101	1185	5516	1455	605
1964 REGIONAL ENERGY S/D	1957	-917	-1851	-2083	-3525	-3999	-509	2336	-4133	2362	246	2337	10781	6135	609
1965 REGIONAL ENERGY S/D	2816	1277	392	283	-1771	2635	8665	7247	718	2537	7392	6106	7844	2087	3435
1966 REGIONAL ENERGY S/D	2709	831	-917	-417	-2356	-3336	1826	1363	-3205	5693	1048	1039	1886	2588	301
1967 REGIONAL ENERGY S/D	1108	-1803	-2744	-2234	-3838	-2405	4480	5750	-721	547	-2336	1996	9476	5278	1150
1968 REGIONAL ENERGY S/D	2397	511	-1120	-486	-2428	-3051	3226	5233	998	-1754	-1827	-958	4998	2063	678
1969 REGIONAL ENERGY S/D	2922	1100	952	1430	56	-1028	6953	4423	800	7101	7599	8763	7550	1086	3362
1970 REGIONAL ENERGY S/D	462	-2220	-2625	-1120	-3701	-4204	-536	3945	-1376	-548	-223	1712	5509	723	-245
1971 REGIONAL ENERGY S/D	1283	-2193	-3073	-2271	-3657	-1920	6227	9333	2854	4552	5549	8742	10650	5570	3088
1972 REGIONAL ENERGY S/D	3807	2737	-48	-983	-2451	-2631	6910	8591	8862	8633	2699	8405	11574	7485	4554
1973 REGIONAL ENERGY S/D	4581	3463	688	-584	-3228	-1806	-862	-1431	-3672	-4258	-3338	-1794	-398	-808	-1139
1974 REGIONAL ENERGY S/D	-787	-4527	-3902	-3066	-2588	2215	9608	9269	4492	7616	7944	7852	12810	8662	4206
1975 REGIONAL ENERGY S/D	3728	3923	542	-2259	-3943	-2926	1942	1976	3362	390	936	3669	8410	7066	1861
1976 REGIONAL ENERGY S/D	1321	75	-1746	-217	215	5051	7728	5595	-519	7385	4984	7839	5119	5831	3482
1977 REGIONAL ENERGY S/D	5115	4038	5093	-589	-4541	-4078	-4954	-3061	-6501	-5017	-2061	-3403	-2509	-2562	-2172
1978 REGIONAL ENERGY S/D	-2603	-3443	-4142	-3872	-3253	-1511	352	-772	57	4855	2396	3698	2873	2452	-293

REGIONAL ENERGY ANALYSIS

REGIONAL ENERGY SURPLUS/DEFICIT  
FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
(REGION TABLE 1 LINE 35)

1998 WHITE BOOK: 12/31/98

2006- 7 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL	12 MO AVG
1929 REGIONAL ENERGY S/D	2714	-1550	-3159	-1783	-4155	-4136	-5536	-3949	-5504	-4503	-3102	-4271	1486	-425	-2888
1930 REGIONAL ENERGY S/D	-869	-3404	-3428	-3886	-4623	-3448	-5367	-5184	-5502	-1747	2052	-5118	-2612	-873	-3502
1931 REGIONAL ENERGY S/D	-931	-2032	-4177	-4067	-4358	-4039	-5585	-6138	-5702	-1395	-4852	-1439	-2367	-426	-3575
1932 REGIONAL ENERGY S/D	-2034	-3417	-4457	-3730	-3748	-4256	-6436	-3453	-380	5932	4216	2942	6066	843	-1188
1933 REGIONAL ENERGY S/D	148	-736	-3078	-2244	-2574	-2640	2897	1016	-4271	1596	-1408	342	10304	7279	569
1934 REGIONAL ENERGY S/D	2265	2606	-472	878	275	5664	8372	6182	2244	7945	5775	3606	-402	-3719	2660
1935 REGIONAL ENERGY S/D	-2414	-3934	-3468	-3246	-2909	-2402	2629	739	-2042	1272	-233	-656	4126	1771	-676
1936 REGIONAL ENERGY S/D	558	-2723	-3691	-3408	-4759	-3838	-5176	-3859	-4643	-2337	5420	3538	1951	803	-1885
1937 REGIONAL ENERGY S/D	-152	-2961	-3375	-3620	-4540	-3953	-6282	-5608	-5980	-4161	-5496	-1352	947	-815	-3413
1938 REGIONAL ENERGY S/D	-1869	-2778	-3590	-3927	-2647	-2131	1525	-579	1001	1430	2446	4965	5371	784	32
1939 REGIONAL ENERGY S/D	228	-3415	-3482	-3060	-4536	-3668	-5215	-765	-1219	1326	1594	-224	-2435	1694	-1920
1940 REGIONAL ENERGY S/D	301	-2781	-3368	-2663	-4130	-3671	-4030	-1792	1295	1674	1256	-587	-3129	-1750	-1967
1941 REGIONAL ENERGY S/D	-2346	-3920	-3470	-2559	-4512	-3885	-4738	-3980	-4375	-3926	-3111	-3117	-493	-2445	-3352
1942 REGIONAL ENERGY S/D	-3014	-3361	-3637	-2352	-3245	1348	654	-783	-4860	-1387	-1614	137	3818	2421	-932
1943 REGIONAL ENERGY S/D	2156	-663	-3250	-2676	-3459	-3136	1491	3940	112	9600	6070	4897	7069	3607	1432
1944 REGIONAL ENERGY S/D	1889	-31	-2147	-1924	-4394	-3713	-5272	-2969	-6155	-4394	-4408	-3806	-1510	-2561	-3160
1945 REGIONAL ENERGY S/D	-2687	-3570	-4104	-3746	-4226	-2953	-6924	-4978	-5459	-3358	-3070	653	2893	1066	-2843
1946 REGIONAL ENERGY S/D	332	-1800	-2994	-3186	-3229	-1468	3201	345	-443	2594	5070	5938	6096	2179	795
1947 REGIONAL ENERGY S/D	1597	-1681	-2408	-1472	-2536	1203	5238	6104	-1541	2406	2370	3408	5501	583	1369
1948 REGIONAL ENERGY S/D	185	-2137	-2659	3271	7	-1601	4673	2423	-1626	79	3281	7254	13141	5504	2591
1949 REGIONAL ENERGY S/D	2572	3277	172	-1009	-3390	-4150	-1180	-166	3602	3599	5869	4581	4968	-811	856
1950 REGIONAL ENERGY S/D	-1657	-4156	-3876	-3647	-3942	-2256	3379	4107	2898	5000	4222	3346	11105	5505	1527
1951 REGIONAL ENERGY S/D	2077	2225	-785	863	983	4124	7150	8367	1270	6652	5191	5600	4241	3991	3657
1952 REGIONAL ENERGY S/D	2484	1270	10	2070	-1318	-972	4114	2577	-2134	5946	5486	7410	6141	956	2204
1953 REGIONAL ENERGY S/D	560	-2516	-3325	-3040	-4426	-3964	-2577	5532	1344	-1872	-1154	2490	8220	3522	107
1954 REGIONAL ENERGY S/D	3086	-157	-2274	-1248	-2895	-2251	1841	6465	521	1798	1215	4062	9110	6349	1888
1955 REGIONAL ENERGY S/D	4574	3315	3621	325	-1060	-2823	-1173	-3456	-5324	3516	-1929	-742	8570	7545	852
1956 REGIONAL ENERGY S/D	2599	1518	-986	405	-110	3047	7590	5560	1422	5974	8017	8043	11907	3948	4157
1957 REGIONAL ENERGY S/D	3356	1146	-1478	-243	-3156	-1772	-1011	3528	600	5727	1208	7844	8318	-320	1503
1958 REGIONAL ENERGY S/D	219	-3079	-3294	-2743	-4394	-3862	124	5649	-1815	756	2666	6478	6883	-1125	182
1959 REGIONAL ENERGY S/D	252	-2443	-3214	-1553	-1694	114	6752	5210	-874	2879	1131	2874	8649	3617	1733
1960 REGIONAL ENERGY S/D	2425	-62	2712	4861	1322	1134	3786	-956	123	9912	3326	984	5296	2597	2472
1961 REGIONAL ENERGY S/D	1230	-2318	-3495	-1991	-2385	-4309	2020	6188	995	3034	-1876	3632	9092	4	816
1962 REGIONAL ENERGY S/D	792	-1600	-3531	-1734	-4275	-3584	2176	-2508	-3527	5303	4970	1412	2839	1200	-566
1963 REGIONAL ENERGY S/D	2959	-608	-3243	-325	-1119	-418	2967	1541	-3437	1408	-161	269	5434	1281	396
1964 REGIONAL ENERGY S/D	1839	-1037	-2126	-2132	-3517	-3987	-702	2199	-4107	2400	-1021	1421	10704	5965	401
1965 REGIONAL ENERGY S/D	2699	1159	118	235	-1761	2649	8477	7114	746	2576	6132	5194	7765	1913	3228
1966 REGIONAL ENERGY S/D	2593	713	-1194	-467	-2347	-3324	1634	1226	-3180	5736	-216	124	1806	2414	92
1967 REGIONAL ENERGY S/D	990	-1923	-3021	-2284	-3830	-2391	4289	5615	-690	589	-3604	1080	9399	5108	942
1968 REGIONAL ENERGY S/D	2280	393	-1395	-534	-2418	-3038	3032	5098	1029	-1714	-3092	-1876	4918	1890	470
1969 REGIONAL ENERGY S/D	2806	983	679	1381	65	-1015	6763	4292	828	7144	6339	7853	7473	912	3156
1970 REGIONAL ENERGY S/D	343	-2340	-2901	-1170	-3691	-4191	-731	3804	-1348	-507	-1487	795	5427	547	-454
1971 REGIONAL ENERGY S/D	1164	-2314	-3351	-2322	-3648	-1908	6036	9201	2882	4597	4288	7832	10573	5398	2880
1972 REGIONAL ENERGY S/D	3691	2622	-324	-1034	-2442	-2618	6718	8458	8898	8679	1435	7494	11499	7317	4348
1973 REGIONAL ENERGY S/D	4466	3349	414	-634	-3219	-1794	-1057	-1571	-3647	-4220	-4602	-2712	-482	-985	-1349
1974 REGIONAL ENERGY S/D	-907	-4648	-4179	-3116	-2579	2231	9422	9139	4522	7660	6684	6942	12736	8494	4001
1975 REGIONAL ENERGY S/D	3612	3808	267	-2309	-3936	-2914	1750	1836	3393	429	-329	2754	8331	6896	1652
1976 REGIONAL ENERGY S/D	1201	-45	-2022	-266	226	5067	7539	5461	-491	7429	3722	6929	5037	5661	3275
1977 REGIONAL ENERGY S/D	5001	3924	4823	-637	-4532	-4065	-5148	-3204	-6480	-4980	-3323	-4320	-2595	-2740	-2382
1978 REGIONAL ENERGY S/D	-2721	-3564	-4419	-3922	-3246	-1499	157	-913	83	4899	1133	2783	2790	2278	-503



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ENERGY IN AVERAGE MEGAWATTS	2007- 8 OPERATING YEAR								RUN DATE: 12/31/98							12 MO AVG
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY	JUN	JUL		
1929 REGIONAL ENERGY S/D	2530	-1738	-3381	-2055	-4604	-4364	-5745	-4238	-5730	-4790	-1960	-3320	1586	-279	-2926	
1930 REGIONAL ENERGY S/D	-1058	-3592	-3652	-4157	-5072	-3675	-5578	-5473	-5727	-2033	3197	-4163	-2513	-725	-3540	
1931 REGIONAL ENERGY S/D	-1118	-2220	-4399	-4340	-4807	-4265	-5796	-6428	-5926	-1681	-3710	-483	-2267	-278	-3613	
1932 REGIONAL ENERGY S/D	-2220	-3606	-4680	-4001	-4197	-4483	-6648	-3744	-603	5649	5360	3898	6171	993	-1225	
1933 REGIONAL ENERGY S/D	-39	-924	-3300	-2516	-3023	-2868	2692	734	-4493	1313	-269	1299	10412	7436	534	
1934 REGIONAL ENERGY S/D	2080	2423	-693	610	-173	5441	8170	5903	2027	7668	6920	4568	-299	-3572	2627	
1935 REGIONAL ENERGY S/D	-2603	-4122	-3691	-3518	-3358	-2629	2422	456	-2263	994	905	299	4231	1923	-712	
1936 REGIONAL ENERGY S/D	373	-2912	-3913	-3679	-5208	-4065	-5387	-4145	-4869	-2624	6562	4497	2054	951	-1922	
1937 REGIONAL ENERGY S/D	-337	-3149	-3598	-3893	-4990	-4180	-6493	-5897	-6205	-4447	-4357	-398	1047	-668	-3452	
1938 REGIONAL ENERGY S/D	-2058	-2966	-3812	-4200	-3096	-2359	1318	-864	779	1147	3585	5925	5474	933	-4	
1939 REGIONAL ENERGY S/D	40	-3605	-3705	-3332	-4987	-3896	-5424	-1052	-1444	1041	2735	733	-2336	1843	-1958	
1940 REGIONAL ENERGY S/D	114	-2969	-3590	-2934	-4579	-3899	-4238	-2081	1072	1389	2399	369	-3028	-1604	-2004	
1941 REGIONAL ENERGY S/D	-2534	-4109	-3692	-2830	-4961	-4112	-4949	-4270	-4599	-4213	-1968	-2162	-392	-2298	-3390	
1942 REGIONAL ENERGY S/D	-3203	-3550	-3860	-2623	-3695	1124	446	-1067	-5082	-1673	-473	1092	3921	2574	-968	
1943 REGIONAL ENERGY S/D	1972	-852	-3472	-2947	-3908	-3365	1282	3654	-106	9321	7213	5858	7174	3758	1396	
1944 REGIONAL ENERGY S/D	1704	-219	-2369	-2195	-4843	-3941	-5481	-3260	-6382	-4680	-3267	-2853	-1410	-2414	-3198	
1945 REGIONAL ENERGY S/D	-2876	-3759	-4326	-4019	-4675	-3180	-7136	-5268	-5684	-3644	-1933	1608	2996	1214	-2881	
1946 REGIONAL ENERGY S/D	145	-1988	-3216	-3459	-3678	-1695	2992	60	-664	2311	6212	6899	6202	2330	759	
1947 REGIONAL ENERGY S/D	1412	-1868	-2630	-1743	-2986	976	5032	5822	-1760	2124	3510	4367	5606	733	1334	
1948 REGIONAL ENERGY S/D	-1	-2327	-2881	3004	-441	-1828	4467	2140	-1848	-204	4423	8215	13252	5659	2557	
1949 REGIONAL ENERGY S/D	2387	3093	-49	-1280	-3841	-4379	-1387	-452	3380	3315	7012	5538	5072	-663	820	
1950 REGIONAL ENERGY S/D	-1846	-4346	-4098	-3920	-4393	-2483	3173	3823	2678	4718	5365	4305	11215	5658	1492	
1951 REGIONAL ENERGY S/D	1891	2040	-1007	593	535	3898	6946	8086	1051	6371	6335	6560	4344	4145	3622	
1952 REGIONAL ENERGY S/D	2300	1084	-211	1801	-1767	-1199	3909	2291	-2355	5664	6629	8371	6245	1107	2169	
1953 REGIONAL ENERGY S/D	374	-2706	-3547	-3313	-4875	-4191	-2789	5247	1126	-2153	-15	3447	8326	3674	71	
1954 REGIONAL ENERGY S/D	2902	-344	-2496	-1519	-3345	-2479	1633	6183	303	1513	2354	5022	9219	6504	1853	
1955 REGIONAL ENERGY S/D	4392	3132	3404	56	-1508	-3050	-1380	-3743	-5550	3233	-790	211	8675	7702	817	
1956 REGIONAL ENERGY S/D	2414	1333	-1208	135	-558	2821	7386	5280	1201	5692	9161	9006	12016	4100	4123	
1957 REGIONAL ENERGY S/D	3172	961	-1700	-514	-3606	-2000	-1218	3243	377	5449	2346	8805	8425	-172	1467	
1958 REGIONAL ENERGY S/D	31	-3269	-3517	-3014	-4843	-4091	-83	5366	-2035	471	3807	7438	6989	-977	146	
1959 REGIONAL ENERGY S/D	65	-2632	-3436	-1824	-2143	-113	6548	-4929	-1092	2598	2271	3832	8757	3770	1698	
1960 REGIONAL ENERGY S/D	2240	-249	2494	4593	876	908	3581	-1239	-97	9636	4469	1940	5401	2749	2438	
1961 REGIONAL ENERGY S/D	1045	-2507	-3718	-2262	-2835	-4537	1813	5908	775	2753	-737	4592	9202	155	781	
1962 REGIONAL ENERGY S/D	606	-1788	-3753	-2005	-4725	-3812	1969	-2792	-3750	5021	6113	2369	2942	1350	-603	
1963 REGIONAL ENERGY S/D	2774	-795	-3465	-595	-1568	-644	2762	1256	-3659	1123	981	1224	5538	1434	360	
1964 REGIONAL ENERGY S/D	1654	-1225	-2348	-2403	-3967	-4215	-910	1915	-4330	2115	117	2377	10813	6121	365	
1965 REGIONAL ENERGY S/D	2515	972	-103	-34	-2210	2423	8274	6833	526	2292	7275	6154	7870	2064	3194	
1966 REGIONAL ENERGY S/D	2409	526	-1416	-737	-2797	-3551	1427	942	-3403	5455	925	1079	1911	2565	56	
1967 REGIONAL ENERGY S/D	804	-2113	-3243	-2555	-4280	-2619	4084	5334	-907	307	-2467	2037	9507	5264	907	
1968 REGIONAL ENERGY S/D	2095	207	-1616	-805	-2868	-3265	2825	4816	810	-1997	-1952	-922	5023	2043	435	
1969 REGIONAL ENERGY S/D	2622	797	458	1112	-383	-1241	6559	4013	607	6864	7485	8814	7580	1061	3122	
1970 REGIONAL ENERGY S/D	157	-2529	-3124	-1441	-4140	-4420	-941	3518	-1568	-790	-347	1749	5528	697	-491	
1971 REGIONAL ENERGY S/D	979	-2504	-3574	-2593	-4100	-2136	5829	8921	2661	4317	5432	8793	10679	5551	2845	
1972 REGIONAL ENERGY S/D	3508	2437	-545	-1305	-2892	-2847	6512	8177	8683	8400	2577	8456	11608	7473	4315	
1973 REGIONAL ENERGY S/D	4284	3166	193	-904	-3668	-2021	-1267	-1858	-3872	-4505	-3461	-1758	-381	-838	-1386	
1974 REGIONAL ENERGY S/D	-1094	-4837	-4402	-3388	-3030	2006	9221	8862	4303	7379	7829	7903	12847	8652	3968	
1975 REGIONAL ENERGY S/D	3428	3625	47	-2581	-4386	-3143	1543	1551	3175	145	810	3709	8436	7051	1617	
1976 REGIONAL ENERGY S/D	1015	-232	-2245	-537	-222	4841	7335	5181	-710	7149	4863	7889	5139	5816	3240	
1977 REGIONAL ENERGY S/D	4818	3741	4607	-908	-4982	-4293	-5355	-3494	-6706	-5266	-2180	-3367	-2494	-2594	-2419	
1978 REGIONAL ENERGY S/D	-2911	-3752	-4643	-4194	-3694	-1728	-52	-1199	-140	4619	2275	3741	2891	2429	-540	

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ENERGY IN AVERAGE MEGAWATTS	2008- 9 OPERATING YEAR												12 MO AVG		
	AUG 1-15	AUG 16-31	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR 1-15	APR 16-30	MAY		JUN	JUL
1929 REGIONAL ENERGY S/D	2773	-1496	-2980	-1989	-4561	-4572	-5926	-4407	-5985	-4853	-3377	-4641	1614	-279	-3100
1930 REGIONAL ENERGY S/D	-815	-3352	-3250	-4091	-5028	-3883	-5761	-5642	-5983	-2096	1780	-5483	-2485	-725	-3714
1931 REGIONAL ENERGY S/D	-875	-1979	-3998	-4275	-4763	-4472	-5979	-6596	-6183	-1743	-5125	-1802	-2239	-277	-3787
1932 REGIONAL ENERGY S/D	-1978	-3364	-4279	-3935	-4152	-4692	-6831	-3912	-858	5588	3944	2579	6201	995	-1399
1933 REGIONAL ENERGY S/D	203	-682	-2899	-2450	-2980	-3076	2510	567	-4746	1252	-1688	-20	10443	7442	361
1934 REGIONAL ENERGY S/D	2323	2666	-292	676	-129	5235	7991	5740	1775	7608	5506	3251	-271	-3570	2455
1935 REGIONAL ENERGY S/D	-2361	-3882	-3290	-3453	-3314	-2837	2242	289	-2517	932	-512	-1021	4260	1926	-886
1936 REGIONAL ENERGY S/D	616	-2672	-3512	-3613	-5165	-4272	-5570	-4313	-5124	-2686	5145	3177	2084	954	-2096
1937 REGIONAL ENERGY S/D	-95	-2909	-3197	-3827	-4946	-4387	-6675	-6066	-6461	-4510	-5775	-1718	1075	-668	-3626
1938 REGIONAL ENERGY S/D	-1816	-2726	-3412	-4135	-3052	-2566	1136	-1030	526	1086	2168	4607	5504	936	-178
1939 REGIONAL ENERGY S/D	282	-3364	-3304	-3267	-4943	-4104	-5606	-1218	-1699	977	1317	-585	-2308	1846	-2132
1940 REGIONAL ENERGY S/D	358	-2729	-3188	-2869	-4535	-4107	-4419	-2248	817	1326	982	-950	-3000	-1601	-2178
1941 REGIONAL ENERGY S/D	-2292	-3869	-3291	-2763	-4917	-4321	-5130	-4438	-4855	-4277	-3385	-3481	-365	-2298	-3564
1942 REGIONAL ENERGY S/D	-2960	-3309	-3460	-2558	-3652	918	264	-1234	-5337	-1737	-1889	-229	3949	2576	-1143
1943 REGIONAL ENERGY S/D	2215	-611	-3072	-2883	-3864	-3574	1099	3486	-359	9259	5796	4539	7204	3760	1222
1944 REGIONAL ENERGY S/D	1947	23	-1969	-2130	-4801	-4149	-5662	-3428	-6637	-4744	-4683	-4173	-1384	-2414	-3373
1945 REGIONAL ENERGY S/D	-2634	-3519	-3925	-3953	-4631	-3388	-7320	-5436	-5940	-3707	-3351	287	3025	1217	-3056
1946 REGIONAL ENERGY S/D	387	-1748	-2816	-3394	-3634	-1903	2811	-107	-918	2248	4796	5582	6232	2333	586
1947 REGIONAL ENERGY S/D	1655	-1628	-2229	-1677	-2942	769	4851	5656	-2013	2061	2094	3049	5637	736	1161
1948 REGIONAL ENERGY S/D	241	-2084	-2480	3070	-396	-2037	4285	1973	-2101	-267	3005	6897	13285	5664	2384
1949 REGIONAL ENERGY S/D	2629	3338	353	-1214	-3797	-4586	-1570	-618	3126	3252	5596	4219	5100	-661	647
1950 REGIONAL ENERGY S/D	-1606	-4105	-3697	-3855	-4351	-2690	2991	3657	2427	4654	3948	2986	11246	5662	1318
1951 REGIONAL ENERGY S/D	2133	2284	-606	659	579	3691	6765	7921	800	6311	4919	5242	4373	4150	3450
1952 REGIONAL ENERGY S/D	2542	1328	191	1868	-1724	-1406	3728	2124	-2607	5602	5212	7054	6274	1110	1996
1953 REGIONAL ENERGY S/D	616	-2466	-3147	-3247	-4832	-4399	-2972	5080	873	-2215	-1435	2128	8357	3678	-103
1954 REGIONAL ENERGY S/D	3143	-101	-2096	-1453	-3300	-2687	1452	6018	50	1450	936	3704	9251	6509	1680
1955 REGIONAL ENERGY S/D	4635	3375	3808	122	-1465	-3257	-1562	-3910	-5804	3171	-2209	-1108	8705	7708	644
1956 REGIONAL ENERGY S/D	2657	1576	-805	202	-514	2614	7207	5115	948	5631	7746	7688	12049	4104	3951
1957 REGIONAL ENERGY S/D	3416	1204	-1299	-448	-3563	-2208	-1400	3077	122	5390	928	7488	8455	-169	1294
1958 REGIONAL ENERGY S/D	273	-3029	-3116	-2950	-4799	-4299	-265	5199	-2289	409	2390	6119	7020	-975	-28
1959 REGIONAL ENERGY S/D	307	-2391	-3036	-1758	-2100	-321	6368	4765	-1344	2537	853	2515	8789	3773	1525
1960 REGIONAL ENERGY S/D	2484	-6	2896	4661	921	701	3400	-1405	-351	9576	3052	621	5431	2753	2265
1961 REGIONAL ENERGY S/D	1286	-2267	-3316	-2196	-2792	-4746	1631	5743	522	2693	-2156	3275	9234	157	607
1962 REGIONAL ENERGY S/D	849	-1547	-3353	-1940	-4682	-4021	1787	-2958	-4004	4959	4696	1050	2971	1353	-777
1963 REGIONAL ENERGY S/D	3017	-555	-3064	-530	-1525	-851	2581	1090	-3912	1061	-435	-96	5567	1436	187
1964 REGIONAL ENERGY S/D	1896	-985	-1946	-2338	-3923	-4423	-1091	1750	-4583	2051	-1302	1057	10843	6126	192
1965 REGIONAL ENERGY S/D	2758	1216	299	32	-2167	2215	8094	6668	272	2229	5859	4835	7900	2067	3020
1966 REGIONAL ENERGY S/D	2652	769	-1015	-671	-2752	-3759	1246	777	-3656	5394	-492	-240	1941	2569	-117
1967 REGIONAL ENERGY S/D	1047	-1872	-2842	-2490	-4236	-2828	3902	5169	-1160	245	-3886	717	9539	5269	734
1968 REGIONAL ENERGY S/D	2340	450	-1215	-739	-2825	-3474	2642	4650	558	-2059	-3369	-2243	5053	2046	261
1969 REGIONAL ENERGY S/D	2865	1041	861	1179	-339	-1449	6378	3848	353	6803	6068	7498	7611	1065	2949
1970 REGIONAL ENERGY S/D	399	-2289	-2723	-1375	-4097	-4629	-1123	3350	-1822	-852	-1764	429	5558	700	-665
1971 REGIONAL ENERGY S/D	1222	-2263	-3174	-2528	-4056	-2344	5648	8757	-2408	4257	4015	7476	10710	5555	2672
1972 REGIONAL ENERGY S/D	3751	2682	-144	-1240	-2849	-3055	6330	8013	8433	8339	1159	7138	11639	7479	4142
1973 REGIONAL ENERGY S/D	4527	3410	595	-838	-3625	-2230	-1449	-2025	-4126	-4570	-4878	-3078	-352	-835	-1560
1974 REGIONAL ENERGY S/D	-853	-4597	-4001	-3324	-2986	1799	9042	8698	4050	7317	6412	6585	12878	8656	3795
1975 REGIONAL ENERGY S/D	3671	3868	448	-2516	-4342	-3351	1361	1384	2922	82	-607	2390	8467	7056	1444
1976 REGIONAL ENERGY S/D	1258	11	-1844	-471	-179	4634	7155	5015	-963	7087	3447	6572	5168	5820	3067
1977 REGIONAL ENERGY S/D	5062	3985	5012	-843	-4939	-4502	-5538	-3662	-6962	-5330	-3596	-4686	-2467	-2593	-2593
1978 REGIONAL ENERGY S/D	-2668	-3512	-4243	-4129	-3651	-1936	-235	-1366	-395	4558	858	2423	2921	2431	-714

FEDERAL SYSTEM ENERGY ANALYSIS  
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 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

1999-0 OPERATING YEAR RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	12 MO AVG
	1-15	16-31								1-15	16-30				
1929 FEDERAL ENERGY S/D	2795	-969	-438	-150	-1251	-781	-1033	177	-641	-265	1163	-593	1405	40	-159
1930 FEDERAL ENERGY S/D	616	-1214	-466	-1051	-813	-10	-1275	-813	-563	1456	4586	-1200	-1069	250	-357
1931 FEDERAL ENERGY S/D	830	-133	-1008	-1180	-672	-255	-1315	-1676	-759	2284	106	1817	-776	995	-274
1932 FEDERAL ENERGY S/D	-268	-1334	-1166	-908	-554	-809	-1938	95	2820	6870	5757	4637	4129	1038	1071
1933 FEDERAL ENERGY S/D	1105	129	-89	-178	-592	-192	4635	4122	130	3377	1724	2870	7348	4552	2148
1934 FEDERAL ENERGY S/D	2461	2658	1049	1172	1504	5395	8174	6890	4093	8031	6769	5030	258	-2200	3444
1935 FEDERAL ENERGY S/D	-683	-1703	-507	-871	-647	-61	4246	3197	1600	3957	2536	2170	2989	1587	1313
1936 FEDERAL ENERGY S/D	1485	-1442	-745	-959	-1320	-278	-1075	384	-144	1064	6770	5035	1381	1574	649
1937 FEDERAL ENERGY S/D	622	-1178	-426	-900	-907	-465	-1397	-938	-816	-106	-458	1820	734	-445	-358
1938 FEDERAL ENERGY S/D	-290	-931	-582	-1220	-325	106	3428	2404	3835	3373	4512	5512	3682	950	1760
1939 FEDERAL ENERGY S/D	711	-1413	-549	-645	-1360	-626	-1302	2502	2230	3512	4005	2287	-1392	2136	557
1940 FEDERAL ENERGY S/D	1368	-1098	-397	-302	-758	-607	-325	1298	3911	3734	3888	1960	-1212	-282	603
1941 FEDERAL ENERGY S/D	-211	-1551	-502	-163	-900	-457	-543	-113	435	548	1473	585	861	-499	-97
1942 FEDERAL ENERGY S/D	-581	-1059	-581	-13	-53	2744	3454	2435	-399	2199	2205	2945	3206	2344	1455
1943 FEDERAL ENERGY S/D	2937	370	-364	-409	-877	-561	3448	5440	3125	8745	6952	5344	4766	1993	2617
1944 FEDERAL ENERGY S/D	2296	911	-15	-149	-1295	-689	-1051	537	-1147	-143	432	136	-171	-722	-235
1945 FEDERAL ENERGY S/D	-428	-1256	-1119	-908	-634	61	-2559	-846	-535	489	1216	3010	2143	1482	9
1946 FEDERAL ENERGY S/D	1532	-498	-259	-1003	-682	471	4416	2820	2488	4147	6027	6103	4071	1605	2136
1947 FEDERAL ENERGY S/D	2269	-832	187	85	-467	2253	6162	6718	1745	3860	4077	5054	4098	956	2623
1948 FEDERAL ENERGY S/D	1309	-1038	14	2748	1222	628	5712	4634	2299	2273	5182	7617	9796	4049	3549
1949 FEDERAL ENERGY S/D	2732	3007	1558	346	-873	-1009	2044	2445	5458	4991	6615	5486	3425	-649	2242
1950 FEDERAL ENERGY S/D	-556	-2111	-991	-1185	-1452	33	4503	5558	4809	6103	5486	6433	7820	3100	2607
1951 FEDERAL ENERGY S/D	2051	2000	755	1154	1588	3889	7200	7705	3534	6880	6218	5998	2607	2811	3818
1952 FEDERAL ENERGY S/D	2853	1785	1352	2037	363	748	5451	4263	1379	7041	6666	7409	4283	1015	3123
1953 FEDERAL ENERGY S/D	1436	-1244	-479	-714	-1165	-528	-73	6361	4066	1249	2145	3710	5618	2269	1738
1954 FEDERAL ENERGY S/D	3164	542	34	231	-561	-280	3421	7215	3067	3484	3809	5209	6449	3742	2836
1955 FEDERAL ENERGY S/D	4126	2929	3747	1330	582	-235	2000	373	-531	5117	2038	1896	6039	4792	2258
1956 FEDERAL ENERGY S/D	2749	1980	816	754	897	3492	7515	6381	3900	6168	8176	8364	7992	2505	4346
1957 FEDERAL ENERGY S/D	3274	1557	381	561	-831	124	1585	4925	3156	6603	3366	8024	5931	-4	2604
1958 FEDERAL ENERGY S/D	943	-1279	-359	-437	-1029	-801	2057	6339	1692	3053	4984	6754	4850	-613	1859
1959 FEDERAL ENERGY S/D	1659	-891	-373	312	67	1483	7257	6528	2507	4296	2652	4431	6115	2395	2882
1960 FEDERAL ENERGY S/D	2887	317	3116	3838	2022	2462	5492	2013	2981	9149	4815	2783	3402	2080	3231
1961 FEDERAL ENERGY S/D	1872	-1199	-671	-140	-365	-1153	3717	6862	3657	4500	1173	5260	6776	446	2297
1962 FEDERAL ENERGY S/D	1957	-671	-548	44	-1248	-766	4000	1050	723	6079	6003	3226	2113	1361	1387
1963 FEDERAL ENERGY S/D	3214	54	-399	869	413	1128	4719	3280	684	3331	2719	2743	3898	1460	1955
1964 FEDERAL ENERGY S/D	2625	-25	348	-282	-1087	-1013	1724	4692	261	4062	1749	3348	7245	3705	1929
1965 FEDERAL ENERGY S/D	2778	1561	1359	1216	261	3353	8290	7352	3650	4553	6956	5804	5432	1504	3845
1966 FEDERAL ENERGY S/D	2838	1159	451	774	-29	-446	3471	4060	684	6234	2626	2295	1121	1942	1729
1967 FEDERAL ENERGY S/D	1865	-871	-327	-312	-1075	-295	5187	6807	2745	2173	-264	3082	6476	3621	2280
1968 FEDERAL ENERGY S/D	2895	1342	615	413	-298	-414	4222	5795	3295	1155	786	812	3486	1687	1892
1969 FEDERAL ENERGY S/D	3192	1472	1734	1718	1232	796	7244	5717	3772	7030	6940	7709	5199	1122	3797
1970 FEDERAL ENERGY S/D	1661	-1148	-369	328	-985	-1038	1653	5281	2119	1898	2116	2769	3688	898	1384
1971 FEDERAL ENERGY S/D	2175	-959	-590	-433	-995	360	6180	8821	4881	5549	5749	8003	7071	3137	3558
1972 FEDERAL ENERGY S/D	3421	2648	1216	228	-418	-255	6724	8116	8369	7655	3193	7700	7732	4619	4374
1973 FEDERAL ENERGY S/D	3899	3146	1518	718	-726	68	1550	1518	640	-137	-99	551	629	-119	813
1974 FEDERAL ENERGY S/D	581	-1999	-1217	-634	-146	2894	8797	8316	5856	7537	7445	7260	8761	5020	4307
1975 FEDERAL ENERGY S/D	3261	3320	1614	-363	-1176	-617	3494	4295	5477	2718	2500	4161	5710	4474	2747
1976 FEDERAL ENERGY S/D	1776	541	-46	566	1092	4564	7345	6388	2637	7718	5298	7033	3083	3721	3671
1977 FEDERAL ENERGY S/D	4139	3227	4661	860	-1301	-734	-948	459	-1392	-323	1255	-279	-744	-676	338
1978 FEDERAL ENERGY S/D	-417	-1233	-1422	-1027	-447	513	2680	2478	3152	5862	3611	3784	1929	1675	1436

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1998 WHITE BOOK: 12/31/98

2000-1 OPERATING YEAR RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	2482	-1106	-196	316	-1543	-1059	-894	469	-191	214	681	-930	2064	32	-66
1930 FEDERAL ENERGY S/D	303	-1351	-224	-585	-1105	-288	-1136	-521	-113	1935	4104	-1537	-410	242	-265
1931 FEDERAL ENERGY S/D	517	-270	-766	-714	-964	-533	-1176	-1384	-309	2763	-376	1480	-117	987	-181
1932 FEDERAL ENERGY S/D	-581	-1471	-924	-442	-846	-1087	-1799	387	3270	7349	5275	4300	4788	1030	1164
1933 FEDERAL ENERGY S/D	792	-8	153	288	-884	-470	4774	4414	580	3856	1242	2533	8007	4544	2240
1934 FEDERAL ENERGY S/D	2148	2521	1291	1638	1212	5117	8313	7182	4543	8510	6287	4693	917	-2208	3536
1935 FEDERAL ENERGY S/D	-996	-1840	-265	-405	-939	-339	4385	3489	2050	4436	2054	1833	3648	1579	1405
1936 FEDERAL ENERGY S/D	1172	-1579	-503	-493	-1612	-556	-936	676	306	1543	6288	4698	2040	1566	742
1937 FEDERAL ENERGY S/D	309	-1315	-184	-434	-1199	-743	-1258	-646	-366	373	-940	1483	1393	-453	-266
1938 FEDERAL ENERGY S/D	-603	-1068	-340	-754	-617	-172	3567	2696	4285	3852	4030	5175	4341	942	1853
1939 FEDERAL ENERGY S/D	398	-1550	-307	-179	-1652	-904	-1163	2794	2680	3991	3523	1950	-733	2128	650
1940 FEDERAL ENERGY S/D	1055	-1235	-155	164	-1050	-885	-186	1590	4361	4213	3406	1623	-553	-290	695
1941 FEDERAL ENERGY S/D	-524	-1688	-260	303	-1192	-735	-404	179	885	1027	991	248	1520	-507	-5
1942 FEDERAL ENERGY S/D	-894	-1196	-339	453	-345	2466	3593	2727	51	2678	1723	2608	3865	2336	1548
1943 FEDERAL ENERGY S/D	2624	233	-122	57	-1169	-839	3587	5732	3575	9224	6470	5007	5425	1985	2710
1944 FEDERAL ENERGY S/D	1983	774	227	317	-1587	-967	-912	829	-697	336	-50	-201	488	-730	-142
1945 FEDERAL ENERGY S/D	-741	-1393	-877	-442	-926	-217	-2420	-554	-85	968	734	2673	2802	1474	101
1946 FEDERAL ENERGY S/D	1219	-635	-17	-537	-974	193	4555	3112	2938	4626	5545	5766	4730	1597	2229
1947 FEDERAL ENERGY S/D	1956	-969	429	551	-759	1975	6301	7010	2195	4339	3595	4717	4757	948	2716
1948 FEDERAL ENERGY S/D	996	-1175	256	3214	930	350	5851	4926	2749	2752	4700	7280	10455	4041	3641
1949 FEDERAL ENERGY S/D	2419	2870	1800	812	-1165	-1287	2183	2737	5908	5470	6133	5149	4084	-657	2334
1950 FEDERAL ENERGY S/D	-869	-2248	-749	-719	-1744	-245	4642	5850	5259	6582	5004	4296	8479	3092	2700
1951 FEDERAL ENERGY S/D	1738	1863	997	1620	1296	3611	7339	7997	3984	7359	5736	5661	3266	2803	3910
1952 FEDERAL ENERGY S/D	2540	1648	1594	2503	71	470	5590	4555	1829	7520	6184	7072	4942	1007	3215
1953 FEDERAL ENERGY S/D	1123	-1381	-237	-248	-1457	-806	66	6653	4516	1728	1663	3373	6277	2261	1831
1954 FEDERAL ENERGY S/D	2851	405	276	697	-853	-558	3560	7507	3517	3963	3327	4872	7108	3734	2928
1955 FEDERAL ENERGY S/D	3813	2792	3989	1796	290	-513	2139	665	-81	5596	1556	1559	6698	4784	2351
1956 FEDERAL ENERGY S/D	2436	1843	1058	1220	605	3214	7654	6673	4350	6647	7694	8027	8651	2497	4438
1957 FEDERAL ENERGY S/D	2961	1420	623	1027	-1123	-154	1724	5217	3606	7082	2884	7687	6590	-12	2697
1958 FEDERAL ENERGY S/D	630	-1416	-117	29	-1321	-1079	2196	6631	2142	3532	4502	6417	5509	-621	1951
1959 FEDERAL ENERGY S/D	1346	-1028	-131	778	-225	1205	7396	6820	2957	4775	2170	4094	6774	2387	2974
1960 FEDERAL ENERGY S/D	2574	180	3358	4304	1730	2184	5631	2305	3431	9628	4333	2446	4061	2072	3323
1961 FEDERAL ENERGY S/D	1559	-1336	-429	326	-657	-1431	3856	7154	4107	4979	691	4923	7435	438	2389
1962 FEDERAL ENERGY S/D	1644	-808	-306	510	-1540	-1044	4139	1342	1173	6558	5521	2889	2772	1353	1479
1963 FEDERAL ENERGY S/D	2901	-83	-157	1335	121	850	4858	3572	1134	3810	2237	2406	4557	1452	2047
1964 FEDERAL ENERGY S/D	2312	-162	590	184	-1379	-1291	1863	4984	711	4541	1267	3011	7904	3697	2021
1965 FEDERAL ENERGY S/D	2465	1424	1601	1682	-31	3075	8429	7644	4100	5032	6474	5467	6091	1496	3938
1966 FEDERAL ENERGY S/D	2525	1022	693	1240	-321	-724	3610	4352	1134	6713	2144	1958	1780	1934	1822
1967 FEDERAL ENERGY S/D	1552	-1008	-85	154	-1367	-573	5326	7099	3195	2652	-746	2745	7135	3613	2372
1968 FEDERAL ENERGY S/D	2582	1205	857	879	-590	-692	4361	6087	3745	1634	304	475	4145	1679	1984
1969 FEDERAL ENERGY S/D	2879	1335	1976	2184	940	518	7383	6009	4222	7509	6458	7372	5858	1114	3889
1970 FEDERAL ENERGY S/D	1348	-1285	-127	794	-1277	-1316	1792	5573	2569	2377	1634	2432	4347	890	1476
1971 FEDERAL ENERGY S/D	1862	-1096	-348	33	-1287	82	6319	9113	5331	6028	5267	7666	7730	3129	3650
1972 FEDERAL ENERGY S/D	3108	2511	1458	694	-710	-533	6863	8408	8819	8134	2711	7363	8391	4611	4466
1973 FEDERAL ENERGY S/D	3586	3009	1760	1184	-1018	-210	1689	1810	1090	342	-581	214	1288	-127	905
1974 FEDERAL ENERGY S/D	268	-2136	-975	-168	-438	2616	8936	8608	6306	8016	6963	6923	9420	5012	4400
1975 FEDERAL ENERGY S/D	2948	3183	1856	103	-1468	-895	3633	4587	5927	3197	2018	3824	6369	4466	2840
1976 FEDERAL ENERGY S/D	1463	404	196	1032	800	4286	7484	6680	3087	8197	4816	6696	3742	3713	3763
1977 FEDERAL ENERGY S/D	3826	3090	4903	1326	-1593	-1012	-809	751	-942	156	773	-616	-85	-684	430
1978 FEDERAL ENERGY S/D	-730	-1370	-1180	-561	-739	235	2819	2770	3602	6341	3129	3447	2588	1667	1528

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 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

2001- 2 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	2020	-1581	-662	-68	-1840	-1399	-1530	-164	-881	-433	1039	-316	1659	-345	-418
1930 FEDERAL ENERGY S/D	-168	-1827	-691	-972	-1406	-626	-1778	-1160	-804	1289	4467	-916	-817	-134	-618
1931 FEDERAL ENERGY S/D	50	-743	-1233	-1101	-1268	-875	-1822	-2025	-1009	2112	-20	2102	-523	612	-537
1932 FEDERAL ENERGY S/D	-1049	-1947	-1396	-825	-1150	-1434	-2445	-253	2574	6704	5631	4924	4395	661	810
1933 FEDERAL ENERGY S/D	322	-481	-313	-95	-1186	-814	4137	3786	-111	3212	1588	3154	7619	4188	1891
1934 FEDERAL ENERGY S/D	1684	2054	827	1258	912	4779	7688	6561	3860	7878	6649	5326	517	-2584	3190
1935 FEDERAL ENERGY S/D	-1469	-2317	-737	-790	-1242	-686	3749	2859	1359	3794	2397	2451	3251	1213	1053
1936 FEDERAL ENERGY S/D	705	-2057	-977	-879	-1918	-902	-1581	42	-396	889	6639	5325	1644	1195	387
1937 FEDERAL ENERGY S/D	-159	-1790	-651	-819	-1502	-1086	-1900	-1286	-1068	-280	-595	2101	988	-831	-622
1938 FEDERAL ENERGY S/D	-1074	-1543	-807	-1141	-921	-513	2929	2066	3594	3205	4377	5805	3944	572	1501
1939 FEDERAL ENERGY S/D	-73	-2027	-774	-566	-1952	-1244	-1802	2168	1993	3347	3879	2574	-1137	1757	298
1940 FEDERAL ENERGY S/D	589	-1710	-622	-223	-1350	-1229	-823	953	3664	3566	3760	2244	-958	-665	341
1941 FEDERAL ENERGY S/D	-995	-2165	-728	-84	-1496	-1078	-1045	-462	187	376	1347	870	1116	-884	-360
1942 FEDERAL ENERGY S/D	-1365	-1673	-809	66	-649	-2132	2954	2098	-646	2027	2078	3228	3467	1969	1195
1943 FEDERAL ENERGY S/D	2160	-242	-589	-328	-1471	-1182	2946	5102	2902	8591	6831	5637	5028	1616	2361
1944 FEDERAL ENERGY S/D	1517	301	-239	-62	-1883	-1303	-1540	196	-1388	-310	308	415	81	-1109	-494
1945 FEDERAL ENERGY S/D	-1212	-1869	-1345	-828	-1226	-556	-3067	-1192	-776	321	1086	3292	2401	1102	-253
1946 FEDERAL ENERGY S/D	750	-1110	-481	-919	-1267	-142	3927	2493	2259	3986	5905	6398	4336	1231	1884
1947 FEDERAL ENERGY S/D	1491	-1445	-38	167	-1053	1638	5671	6396	1521	3700	3952	5344	4365	579	2370
1948 FEDERAL ENERGY S/D	527	-1652	-210	2835	638	12	5221	4310	2071	2109	5059	7912	10077	3681	3298
1949 FEDERAL ENERGY S/D	1954	2403	1338	428	-1459	-1628	1546	2114	5229	4829	6496	5773	3689	-1031	1987
1950 FEDERAL ENERGY S/D	-1341	-2726	-1215	-1108	-2046	-584	4005	5233	4587	5943	5364	4921	8095	2728	2353
1951 FEDERAL ENERGY S/D	1271	1394	534	1243	1007	3279	6720	7385	3312	6723	6099	6292	2867	2439	3569
1952 FEDERAL ENERGY S/D	2076	1177	1130	2127	-222	134	4966	3935	1154	6883	6543	7705	4548	639	2871
1953 FEDERAL ENERGY S/D	655	-1859	-704	-635	-1753	-1144	-578	6034	3842	1092	2014	3998	5883	1895	1483
1954 FEDERAL ENERGY S/D	2387	-68	-190	312	-1153	-898	2923	6893	2843	3319	3680	5501	6721	3373	2582
1955 FEDERAL ENERGY S/D	3353	2326	3533	1413	-11	-854	1502	31	-777	4957	1911	2178	6307	4427	2002
1956 FEDERAL ENERGY S/D	1972	1373	594	838	303	2878	7031	6063	3673	6010	8059	8661	8266	2132	4096
1957 FEDERAL ENERGY S/D	2496	949	157	643	-1417	-494	1099	4599	2922	6453	3236	6198	6198	-384	2351
1958 FEDERAL ENERGY S/D	160	-1894	-584	-360	-1617	-1420	1565	6012	1462	2888	4860	7046	5116	-995	1603
1959 FEDERAL ENERGY S/D	877	-1504	-597	394	-528	869	6763	6198	2273	4136	2524	4722	6387	2022	2627
1960 FEDERAL ENERGY S/D	2111	-292	2900	3925	1432	1848	4997	1685	2751	9003	4694	3068	3664	1706	2978
1961 FEDERAL ENERGY S/D	1094	-1812	-896	-60	-961	-1776	3220	6533	3420	4342	1039	5553	7051	68	2040
1962 FEDERAL ENERGY S/D	1176	-1283	-779	124	-1843	-1388	3502	713	485	5919	5881	3512	2374	983	1128
1963 FEDERAL ENERGY S/D	2438	-556	-624	950	-180	512	4222	2943	450	3166	2597	3027	4159	1084	1697
1964 FEDERAL ENERGY S/D	1846	-637	125	-198	-1680	-1632	1226	4365	30	3895	1618	3632	7516	3337	1674
1965 FEDERAL ENERGY S/D	2000	954	1138	1302	-328	2738	7812	7033	3423	4388	6836	6096	5697	1128	3594
1966 FEDERAL ENERGY S/D	2062	551	228	865	-612	-1059	2984	3734	453	6076	2501	2581	1384	1565	1477
1967 FEDERAL ENERGY S/D	1086	-1484	-551	-231	-1669	-915	4692	6475	2511	2014	-397	3367	6746	3254	2024
1968 FEDERAL ENERGY S/D	2117	734	393	497	-885	-1032	3734	5474	3071	993	659	1092	3749	1312	1638
1969 FEDERAL ENERGY S/D	2416	865	1516	1810	647	185	6761	5401	3543	6865	6814	8006	5467	746	3547
1970 FEDERAL ENERGY S/D	880	-1760	-594	411	-1578	-1657	1153	4952	1892	1737	1990	3051	3948	519	1127
1971 FEDERAL ENERGY S/D	1396	-1572	-815	-350	-1582	-256	5694	8504	4653	5394	5628	8299	7339	2765	3306
1972 FEDERAL ENERGY S/D	2646	2044	995	318	-1004	-869	6240	7799	8156	7503	3068	7995	8004	4255	4127
1973 FEDERAL ENERGY S/D	3126	2544	1299	808	-1311	-546	1059	1187	406	-304	-224	831	884	-501	557
1974 FEDERAL ENERGY S/D	-201	-2612	-1443	-554	-732	2284	8324	8005	5631	7380	7328	7555	9037	4655	4059
1975 FEDERAL ENERGY S/D	2484	2717	1394	-275	-1763	-1232	3008	3967	5255	2554	2371	4448	5975	4106	2496
1976 FEDERAL ENERGY S/D	996	-69	-270	654	511	3956	6865	6069	2412	7562	5177	7327	3343	3355	3421
1977 FEDERAL ENERGY S/D	3368	2626	4449	950	-1888	-1352	-1439	118	-1633	-490	1134	4	-489	-1061	82
1978 FEDERAL ENERGY S/D	-1200	-1845	-1655	-952	-1042	-108	2179	2137	2907	5707	3486	4073	2187	1300	1175

FEDERAL SYSTEM ENERGY ANALYSIS  
 FEDERAL SYSTEM ENERGY SURPLUS/DEFICIT  
 FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

2002- 3 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	1278	-2323	-1295	-230	-1977	-1536	-1263	97	-616	-275	198	-1169	1779	-216	-582
1930 FEDERAL ENERGY S/D	-914	-2570	-1324	-1135	-1541	-763	-1513	-897	-538	1446	3628	-1767	-698	-3	-782
1931 FEDERAL ENERGY S/D	-695	-1486	-1867	-1265	-1404	-1012	-1558	-1762	-743	2270	-859	1252	-403	744	-700
1932 FEDERAL ENERGY S/D	-1794	-2688	-2029	-988	-1286	-1571	-2180	10	2843	6867	4792	4075	4521	796	648
1933 FEDERAL ENERGY S/D	-422	-1222	-946	-256	-1323	-951	4407	4055	159	3373	743	2305	7749	4329	1730
1934 FEDERAL ENERGY S/D	940	1316	196	1098	777	4647	7964	6836	4136	8044	5814	4481	639	-2452	3032
1935 FEDERAL ENERGY S/D	-2215	-3060	-1370	-953	-1379	-823	4019	3129	1630	3958	1553	1600	3374	1349	891
1936 FEDERAL ENERGY S/D	-38	-2800	-1611	-1041	-2055	-1039	-1317	308	-130	1045	5798	4476	1768	1328	224
1937 FEDERAL ENERGY S/D	-902	-2533	-1284	-982	-1638	-1223	-1634	-1024	-801	-124	-1439	1249	1108	-699	-785
1938 FEDERAL ENERGY S/D	-1820	-2286	-1440	-1303	-1058	-651	3197	2334	3864	3366	3534	4959	4068	706	1340
1939 FEDERAL ENERGY S/D	-818	-2772	-1407	-727	-2089	-1381	-1535	2435	2259	3505	3036	1724	-1017	1890	136
1940 FEDERAL ENERGY S/D	-154	-2453	-1254	-384	-1486	-1366	-553	1217	3933	3725	2919	1393	-838	-534	179
1941 FEDERAL ENERGY S/D	-1740	-2908	-1363	-245	-1632	-1215	-779	-200	453	532	506	19	1236	-755	-524
1942 FEDERAL ENERGY S/D	-2110	-2415	-1442	-96	-786	1999	3221	2367	-378	2184	1237	2377	3591	2104	1034
1943 FEDERAL ENERGY S/D	1417	-984	-1223	-489	-1608	-1321	3213	5369	3175	8753	5991	4792	5153	1750	2200
1944 FEDERAL ENERGY S/D	774	-440	-873	-223	-2019	-1442	-1272	458	-1123	-154	-533	-438	200	-979	-657
1945 FEDERAL ENERGY S/D	-1957	-2613	-1977	-991	-1362	-693	-2805	-930	-510	478	241	2442	2523	1235	-416
1946 FEDERAL ENERGY S/D	6	-1853	-1115	-1081	-1404	-279	4194	2761	2529	4145	5065	5553	4460	1365	1722
1947 FEDERAL ENERGY S/D	747	-2187	-671	6	-1190	1502	5942	6665	1794	3860	3111	4496	4490	713	2209
1948 FEDERAL ENERGY S/D	-217	-2395	-844	2677	503	-124	5491	4579	2343	2268	4218	7067	10212	3820	3139
1949 FEDERAL ENERGY S/D	1212	1664	706	267	-1596	-1767	1814	2383	5499	4989	5657	4925	3812	-899	1826
1950 FEDERAL ENERGY S/D	-2088	-3470	-1850	-1270	-2184	-721	4275	5502	4861	6104	4524	4073	8223	2865	2193
1951 FEDERAL ENERGY S/D	527	655	-98	1084	872	3143	6993	7657	3587	6886	5262	5447	2990	2576	3410
1952 FEDERAL ENERGY S/D	1333	436	498	1969	-358	-2	5236	4202	1427	7044	5703	6860	4673	773	2711
1953 FEDERAL ENERGY S/D	-90	-2603	-1337	-797	-1889	-1281	-314	6302	4114	1254	1170	3148	6009	2031	1321
1954 FEDERAL ENERGY S/D	1643	-810	-824	152	-1289	-1035	3191	7164	3117	3477	2836	4655	6851	3512	2422
1955 FEDERAL ENERGY S/D	2614	1590	2905	1254	-147	-991	1771	297	-510	5118	1068	1326	6434	4569	1842
1956 FEDERAL ENERGY S/D	1229	634	-40	677	168	2743	7304	6337	3944	6172	7222	7819	8396	2269	3937
1957 FEDERAL ENERGY S/D	1754	208	-476	483	-1554	-632	1367	4867	3191	6619	2391	7477	6326	-251	2190
1958 FEDERAL ENERGY S/D	-586	-2637	-1217	-521	-1754	-1559	1833	6282	1733	3046	4018	6199	5242	-863	1441
1959 FEDERAL ENERGY S/D	133	-2247	-1231	233	-664	732	7036	6470	2546	4297	1681	3874	6516	2158	2467
1960 FEDERAL ENERGY S/D	1368	-1033	2272	3769	1299	1713	5267	1954	3022	9168	3854	2219	3789	1843	2819
1961 FEDERAL ENERGY S/D	350	-2556	-1529	-221	-1097	-1913	3488	6806	3692	4504	196	4707	7182	202	1880
1962 FEDERAL ENERGY S/D	433	-2025	-1414	-37	-1980	-1526	3770	981	753	6080	5041	2663	2497	1116	966
1963 FEDERAL ENERGY S/D	1696	-1299	-1257	790	-316	376	4492	3211	719	3325	1758	2176	4282	1219	1536
1964 FEDERAL ENERGY S/D	1103	-1380	-508	-360	-1818	-1770	1494	4634	299	4053	772	2781	7643	3476	1512
1965 FEDERAL ENERGY S/D	1259	213	507	1143	-464	2602	8085	7305	3695	4548	5998	5249	5822	1263	3435
1966 FEDERAL ENERGY S/D	1320	-191	-405	705	-748	-1196	3254	4003	722	6238	1660	1730	1508	1700	1316
1967 FEDERAL ENERGY S/D	343	-2227	-1185	-392	-1806	-1053	4962	6747	2785	2175	-1243	2518	6874	3394	1864
1968 FEDERAL ENERGY S/D	1375	-7	-239	337	-1022	-1169	4001	5744	3344	1152	-184	239	3874	1449	1477
1969 FEDERAL ENERGY S/D	1674	124	885	1650	511	48	7033	5675	3815	7027	5977	7163	5594	882	3388
1970 FEDERAL ENERGY S/D	136	-2504	-1227	250	-1715	-1796	1419	5218	2164	1897	1148	2200	4070	653	965
1971 FEDERAL ENERGY S/D	652	-2316	-1449	-511	-1719	-393	5963	8777	4924	5557	4789	7456	7467	2902	3147
1972 FEDERAL ENERGY S/D	1904	1305	362	156	-1140	-1007	6509	8071	8435	7667	2227	7151	8133	4396	3968
1973 FEDERAL ENERGY S/D	2385	1807	667	647	-1448	-684	1326	1453	673	-148	-1065	-21	1005	-369	395
1974 FEDERAL ENERGY S/D	-948	-3357	-2077	-717	-869	2149	8599	8281	5904	7543	6489	6711	9168	4797	3901
1975 FEDERAL ENERGY S/D	1742	1979	764	-437	-1901	-1370	3276	4234	5529	2713	1528	3598	6101	4245	2335
1976 FEDERAL ENERGY S/D	251	-811	-903	493	375	3821	7138	6341	2684	7725	4336	6483	3465	3494	3262
1977 FEDERAL ENERGY S/D	2627	1889	3823	789	-2025	-1490	-1172	381	-1369	-334	295	-847	-370	-931	-81
1978 FEDERAL ENERGY S/D	-1945	-2588	-2289	-1114	-1179	-247	2446	2403	3177	5871	2645	3224	2309	1434	1013

FEDERAL SYSTEM ENERGY ANALYSIS  
 FEDERAL SYSTEM ENERGY SURPLUS/DEFICIT  
 FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	2003- 4 OPERATING YEAR		RUN DATE: 12/31/98													12 MO AVG
	AUG	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL		
	1-15	16-31								1-15	16-30					
1929 FEDERAL ENERGY S/D	1429	-2177	-1152	-85	-1865	-1418	-1143	212	-504	-46	1431	59	2019	10	-296	
1930 FEDERAL ENERGY S/D	-767	-2423	-1181	-991	-1429	-644	-1397	-782	-425	1675	4862	-536	-460	224	-496	
1931 FEDERAL ENERGY S/D	-547	-1339	-1723	-1122	-1291	-892	-1441	-1647	-630	2501	375	2485	-165	973	-413	
1932 FEDERAL ENERGY S/D	-1645	-2541	-1886	-845	-1173	-1452	-2063	124	2959	7101	6028	5309	4765	1025	936	
1933 FEDERAL ENERGY S/D	-274	-1075	-801	-112	-1210	-833	4529	4176	278	3606	1973	3538	7996	4566	2020	
1934 FEDERAL ENERGY S/D	1091	1467	341	1244	892	4770	8091	6962	4258	8283	7051	5719	880	-2225	3323	
1935 FEDERAL ENERGY S/D	-2068	-2914	-1227	-809	-1266	-705	4140	3249	1748	4195	2783	2833	3616	1582	1180	
1936 FEDERAL ENERGY S/D	112	-2654	-1467	-898	-1942	-919	-1201	426	-18	1275	7031	5712	2010	1556	512	
1937 FEDERAL ENERGY S/D	-753	-2387	-1140	-838	-1525	-1104	-1517	-908	-689	105	-208	2479	1347	-473	-499	
1938 FEDERAL ENERGY S/D	-1674	-2140	-1297	-1161	-945	-532	3317	2455	3982	3600	4766	6197	4311	936	1628	
1939 FEDERAL ENERGY S/D	-671	-2627	-1264	-585	-1977	-1263	-1416	2554	2373	3734	4268	2958	-778	2119	423	
1940 FEDERAL ENERGY S/D	-4	-2306	-1112	-240	-1373	-1248	-433	1333	4047	3957	4153	2625	-598	-307	466	
1941 FEDERAL ENERGY S/D	-1593	-2761	-1218	-101	-1520	-1097	-660	-85	567	761	1740	1253	1475	-529	-237	
1942 FEDERAL ENERGY S/D	-1962	-2269	-1300	48	-673	2120	3341	2488	-262	2413	2470	3609	3833	2335	1322	
1943 FEDERAL ENERGY S/D	1567	-837	-1080	-345	-1496	-1204	3331	5488	3296	8990	7225	6028	5397	1981	2489	
1944 FEDERAL ENERGY S/D	924	-293	-730	-80	-1908	-1323	-1152	573	-1011	75	700	792	438	-753	-371	
1945 FEDERAL ENERGY S/D	-1810	-2467	-1835	-848	-1249	-574	-2690	-815	-398	708	1471	3674	2765	1464	-130	
1946 FEDERAL ENERGY S/D	153	-1707	-971	-939	-1291	-160	4314	2880	2646	4378	6299	6791	4704	1596	2011	
1947 FEDERAL ENERGY S/D	898	-2041	-527	150	-1078	1622	6064	6788	1914	4093	4343	5732	4735	944	2499	
1948 FEDERAL ENERGY S/D	-69	-2250	-700	2825	617	-5	5612	4701	2461	2501	5451	8305	10464	4056	3429	
1949 FEDERAL ENERGY S/D	1362	1815	852	412	-1484	-1650	1934	2502	5616	5221	6892	6159	4055	-671	2114	
1950 FEDERAL ENERGY S/D	-1942	-3324	-1705	-1128	-2074	-601	4395	5623	4983	6338	5758	5308	8473	3098	2482	
1951 FEDERAL ENERGY S/D	676	804	45	1229	985	3264	7118	7781	3709	7122	6498	6685	3233	2810	3701	
1952 FEDERAL ENERGY S/D	1483	585	644	2114	-247	117	5357	4322	1546	7279	6937	8099	4916	1004	3001	
1953 FEDERAL ENERGY S/D	58	-2458	-1195	-654	-1778	-1162	-198	6422	4235	1489	2399	4382	6253	2263	1609	
1954 FEDERAL ENERGY S/D	1794	-662	-679	296	-1176	-917	3312	7288	3237	3707	4066	5892	7099	3745	2713	
1955 FEDERAL ENERGY S/D	2767	1741	3054	1399	-33	-872	1891	414	-397	5351	2298	2557	6679	4805	2131	
1956 FEDERAL ENERGY S/D	1379	782	105	822	282	2863	7429	6462	4063	6407	8459	9059	8644	2501	4229	
1957 FEDERAL ENERGY S/D	1904	357	-332	627	-1442	-513	1488	4988	3306	6857	3620	8715	6572	-24	2480	
1958 FEDERAL ENERGY S/D	-438	-2491	-1074	-378	-1641	-1442	1953	6403	1851	3278	5250	7436	5487	-635	1730	
1959 FEDERAL ENERGY S/D	281	-2101	-1087	378	-552	851	7158	6595	2668	4531	2913	5110	6764	2391	2757	
1960 FEDERAL ENERGY S/D	1519	-886	2420	3917	1414	1834	5390	2075	3139	9409	5089	3452	4031	2076	3110	
1961 FEDERAL ENERGY S/D	498	-2411	-1386	-76	-985	-1796	3609	6931	3811	4739	1424	5944	7431	431	2170	
1962 FEDERAL ENERGY S/D	582	-1879	-1270	107	-1868	-1407	3891	1101	868	6314	6274	3897	2740	1346	1254	
1963 FEDERAL ENERGY S/D	1846	-1151	-1114	934	-203	496	4612	3331	836	3555	2991	3408	4524	1450	1825	
1964 FEDERAL ENERGY S/D	1253	-1233	-363	-217	-1706	-1652	1614	4756	416	4284	2001	4014	7892	3711	1802	
1965 FEDERAL ENERGY S/D	1410	361	653	1289	-352	2722	8211	7431	3815	4779	7233	6487	6067	1494	3726	
1966 FEDERAL ENERGY S/D	1471	-42	-261	850	-635	-1077	3375	4125	837	6472	2892	2963	1751	1931	1605	
1967 FEDERAL ENERGY S/D	492	-2081	-1040	-249	-1693	-934	5084	6871	2907	2408	-14	3752	7121	3629	2154	
1968 FEDERAL ENERGY S/D	1526	141	-94	481	-910	-1051	4121	5867	3464	1385	1047	1470	4117	1680	1766	
1969 FEDERAL ENERGY S/D	1824	272	1031	1796	626	168	7155	5801	3931	7263	7213	8402	5841	1112	3679	
1970 FEDERAL ENERGY S/D	284	-2358	-1083	394	-1602	-1678	1537	5337	2282	2131	2379	3432	4311	881	1252	
1971 FEDERAL ENERGY S/D	800	-2171	-1306	-369	-1606	-274	6085	8904	5043	5795	6024	8695	7714	3135	3437	
1972 FEDERAL ENERGY S/D	2056	1455	508	301	-1028	-889	6630	8196	8560	7905	3459	8390	8383	4632	4260	
1973 FEDERAL ENERGY S/D	2538	1958	813	791	-1335	-566	1445	1571	788	83	166	1209	1245	-141	683	
1974 FEDERAL ENERGY S/D	-800	-3211	-1933	-574	-757	2270	8726	8409	6024	7779	7725	7949	9419	5033	4193	
1975 FEDERAL ENERGY S/D	1893	2130	909	-293	-1788	-1253	3397	4354	5649	2946	2760	4832	6345	4481	2625	
1976 FEDERAL ENERGY S/D	400	-663	-760	637	489	3942	7262	6465	2803	7961	5570	7720	3707	3729	3552	
1977 FEDERAL ENERGY S/D	2780	2041	3973	933	-1913	-1371	-1053	496	-1256	-104	1530	384	-132	-705	207	
1978 FEDERAL ENERGY S/D	-1797	-2441	-2147	-972	-1067	-129	2564	2522	3292	6107	3878	4459	2551	1665	1301	

FEDERAL SYSTEM ENERGY ANALYSIS  
 FEDERAL SYSTEM ENERGY SURPLUS/DEFICIT  
 FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

2004- 5 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	1646	-1965	-941	129	-1658	-1212	-1281	-77	-784	-334	431	-948	2015	2	-405
1930 FEDERAL ENERGY S/D	-554	-2211	-970	-778	-1220	-437	-1536	-1070	-706	1388	3863	-1539	-465	219	-605
1931 FEDERAL ENERGY S/D	-333	-1126	-1513	-908	-1083	-685	-1582	-1936	-910	2213	-626	1483	-168	967	-523
1932 FEDERAL ENERGY S/D	-1431	-2328	-1676	-632	-965	-1245	-2204	-165	2681	6819	5030	4309	4767	1022	828
1933 FEDERAL ENERGY S/D	-61	-862	-591	103	-1002	-626	4394	3894	1	3324	968	2537	8001	4570	1914
1934 FEDERAL ENERGY S/D	1307	1684	553	1460	1102	4981	7962	6684	3988	8006	6054	4723	879	-2231	3219
1935 FEDERAL ENERGY S/D	-1855	-2702	-1016	-595	-1058	-498	4005	2966	1473	3916	1779	1829	3617	1581	1073
1936 FEDERAL ENERGY S/D	328	-2443	-1257	-683	-1735	-712	-1342	140	-297	987	6030	4711	2011	1552	403
1937 FEDERAL ENERGY S/D	-539	-2174	-930	-625	-1316	-897	-1656	-1199	-969	-182	-1212	1474	1343	-479	-609
1938 FEDERAL ENERGY S/D	-1460	-1927	-1086	-946	-737	-326	3180	2171	3707	3316	3764	5198	4311	934	1521
1939 FEDERAL ENERGY S/D	-459	-2416	-1054	-370	-1771	-1057	-1553	2269	2093	3448	3265	1957	-782	2116	314
1940 FEDERAL ENERGY S/D	211	-2094	-901	-25	-1165	-1040	-569	1046	3770	3671	3152	1622	-601	-313	358
1941 FEDERAL ENERGY S/D	-1379	-2550	-1008	114	-1312	-891	-799	-374	288	473	740	250	1471	-537	-346
1942 FEDERAL ENERGY S/D	-1749	-2056	-1089	262	-466	2329	3203	2203	-540	2126	1469	2606	3832	2334	1214
1943 FEDERAL ENERGY S/D	1784	-624	-869	-131	-1288	-997	3193	5203	3023	8710	6226	5031	5397	1978	2382
1944 FEDERAL ENERGY S/D	1139	-80	-520	135	-1701	-1118	-1289	282	-1291	-213	-301	-212	432	-760	-481
1945 FEDERAL ENERGY S/D	-1597	-2255	-1625	-634	-1042	-367	-2831	-1104	-678	421	466	2671	2763	1459	-239
1946 FEDERAL ENERGY S/D	367	-1495	-760	-726	-1084	47	4177	2595	2369	4094	5299	5795	4706	1594	1904
1947 FEDERAL ENERGY S/D	1113	-1829	-316	364	-870	1830	5929	6506	1640	3810	3342	4732	4738	940	2393
1948 FEDERAL ENERGY S/D	145	-2039	-489	3043	826	203	5477	4418	2186	2215	4451	7309	10473	4058	3324
1949 FEDERAL ENERGY S/D	1578	2032	1064	626	-1276	-1445	1797	2218	5342	4936	5893	5158	4055	-677	2007
1950 FEDERAL ENERGY S/D	-1731	-3114	-1495	-915	-1867	-395	4259	5340	4712	6055	4759	4309	8479	3098	2376
1951 FEDERAL ENERGY S/D	892	1020	257	1445	1195	3471	6985	7501	3437	6840	5500	5688	3232	2810	3596
1952 FEDERAL ENERGY S/D	1700	799	855	2332	-39	324	5222	4037	1272	6996	5937	7103	4918	1000	2895
1953 FEDERAL ENERGY S/D	273	-2248	-984	-440	-1570	-955	-340	6138	3961	1207	1395	3381	6255	2263	1502
1954 FEDERAL ENERGY S/D	2010	-449	-469	512	-968	-711	3175	7008	2965	3422	3063	4894	7106	3748	2607
1955 FEDERAL ENERGY S/D	2985	1958	3270	1616	175	-665	1755	128	-677	5068	1295	1555	6681	4810	2025
1956 FEDERAL ENERGY S/D	1596	997	318	1039	490	3071	7297	6182	3788	6125	7462	8064	8651	2501	4124
1957 FEDERAL ENERGY S/D	2120	572	-121	843	-1235	-307	1351	4705	3028	6580	2616	7720	6575	-27	2373
1958 FEDERAL ENERGY S/D	-225	-2280	-864	-164	-1434	-1236	1816	6120	1576	2992	4249	6438	5489	-641	1622
1959 FEDERAL ENERGY S/D	496	-1889	-876	593	-344	1060	7025	6315	2394	4249	1910	4111	6769	2390	2652
1960 FEDERAL ENERGY S/D	1736	-672	2634	4136	1626	2042	5255	1792	2864	9131	4089	2450	4031	2074	3004
1961 FEDERAL ENERGY S/D	714	-2199	-1175	138	-777	-1591	3473	6652	3538	4459	421	4947	7438	427	2064
1962 FEDERAL ENERGY S/D	797	-1665	-1059	323	-1661	-1201	3754	818	590	6030	5275	2896	2739	1341	1147
1963 FEDERAL ENERGY S/D	2063	-938	-903	1149	6	704	4477	3048	559	3269	1990	2405	4524	1449	1718
1964 FEDERAL ENERGY S/D	1468	-1021	-150	-2	-1499	-1447	1477	4473	139	3996	996	3013	7896	3714	1695
1965 FEDERAL ENERGY S/D	1626	575	865	1505	-144	2930	8079	7152	3540	4493	6234	5488	6068	1492	3620
1966 FEDERAL ENERGY S/D	1688	172	-50	1066	-428	-871	3239	3842	561	6191	1890	1962	1753	1928	1498
1967 FEDERAL ENERGY S/D	706	-1869	-830	-34	-1486	-728	4949	6590	2635	2125	-1020	2750	7126	3632	2048
1968 FEDERAL ENERGY S/D	1744	356	117	695	-702	-845	3984	5587	3192	1101	45	466	4118	1680	1660
1969 FEDERAL ENERGY S/D	2041	487	1245	2012	835	376	7021	5523	3657	6982	6216	7406	5843	1110	3574
1970 FEDERAL ENERGY S/D	499	-2146	-872	610	-1394	-1473	1399	5051	2007	1847	1378	2429	4310	877	1144
1971 FEDERAL ENERGY S/D	1015	-1960	-1096	-155	-1401	-68	5949	8626	4768	5513	5025	7699	7717	3135	3331
1972 FEDERAL ENERGY S/D	2273	1671	719	516	-821	-683	6495	7917	8293	7626	2457	7394	8388	4636	4156
1973 FEDERAL ENERGY S/D	2756	2177	1026	1005	-1128	-360	1306	1286	510	-204	-836	205	1242	-147	574
1974 FEDERAL ENERGY S/D	-587	-3000	-1723	-361	-550	2479	8596	8133	5751	7497	6727	6952	9426	5037	4088
1975 FEDERAL ENERGY S/D	2110	2347	1122	-79	-1582	-1047	3261	4069	5378	2660	1756	3831	6347	4482	2518
1976 FEDERAL ENERGY S/D	615	-450	-549	852	698	4151	7130	6185	2530	7680	4570	6724	3707	3731	3447
1977 FEDERAL ENERGY S/D	2999	2260	4191	1148	-1706	-1166	-1190	206	-1537	-392	530	-620	-136	-711	98
1978 FEDERAL ENERGY S/D	-1583	-2229	-1937	-758	-859	76	2426	2236	3016	5827	2876	3458	2548	1664	1193



FEDERAL SYSTEM ENERGY ANALYSIS  
 FEDERAL SYSTEM ENERGY SURPLUS/DEFICIT  
 FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

2005- 6 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR		MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	1643	-1973	-947	125	-1662	-1215	-1134	65	-642	-133	1634	254	2213	197	-180
1930 FEDERAL ENERGY S/D	-561	-2219	-975	-783	-1223	-440	-1392	-927	-563	1588	5069	-334	-268	415	-379
1931 FEDERAL ENERGY S/D	-338	-1133	-1519	-914	-1086	-688	-1439	-1793	-768	2416	580	2689	30	1163	-297
1932 FEDERAL ENERGY S/D	-1436	-2337	-1681	-636	-968	-1249	-2060	-22	2826	7025	6236	5515	4971	1222	1055
1933 FEDERAL ENERGY S/D	-68	-868	-595	99	-1005	-630	4543	4044	150	3527	2169	3742	8208	4776	2143
1934 FEDERAL ENERGY S/D	1303	1681	549	1458	1101	4983	8116	6839	4141	8216	7263	5934	1080	-2036	3450
1935 FEDERAL ENERGY S/D	-1862	-2710	-1021	-600	-1060	-502	4154	3116	1621	4123	2981	3033	3820	1782	1301
1936 FEDERAL ENERGY S/D	323	-2451	-1262	-688	-1739	-716	-1198	287	-155	1189	7233	5918	2215	1750	630
1937 FEDERAL ENERGY S/D	-544	-2183	-935	-629	-1319	-899	-1511	-1055	-826	18	-11	2678	1542	-285	-383
1938 FEDERAL ENERGY S/D	-1467	-1935	-1092	-952	-740	-329	3327	2320	3855	3521	4967	6408	4514	1133	1749
1939 FEDERAL ENERGY S/D	-466	-2425	-1059	-375	-1775	-1060	-1407	2416	2237	3650	4467	3163	-583	2314	540
1940 FEDERAL ENERGY S/D	207	-2102	-906	-30	-1168	-1044	-422	1191	3915	3874	4357	2826	-402	-117	584
1941 FEDERAL ENERGY S/D	-1387	-2558	-1012	110	-1316	-894	-654	-231	432	672	1945	1455	1671	-341	-120
1942 FEDERAL ENERGY S/D	-1756	-2065	-1096	258	-469	2329	3350	2353	-394	2326	2674	3810	4035	2534	1442
1943 FEDERAL ENERGY S/D	1780	-631	-874	-135	-1292	-1003	3338	5350	3174	8918	7431	6240	5600	2178	2610
1944 FEDERAL ENERGY S/D	1135	-87	-525	130	-1705	-1122	-1143	426	-1149	-12	903	990	630	-566	-255
1945 FEDERAL ENERGY S/D	-1604	-2263	-1631	-640	-1044	-370	-2689	-960	-535	622	1665	3874	2964	1657	-14
1946 FEDERAL ENERGY S/D	361	-1502	-765	-731	-1088	43	4323	2744	2516	4297	6506	7005	4910	1795	2132
1947 FEDERAL ENERGY S/D	1109	-1837	-320	359	-875	1828	6077	6658	1790	4014	4547	5939	4942	1140	2621
1948 FEDERAL ENERGY S/D	140	-2047	-494	3042	825	200	5625	4568	2333	2418	5654	8520	10686	4261	3554
1949 FEDERAL ENERGY S/D	1575	2028	1061	622	-1280	-1449	1944	2367	5489	5140	7100	6364	4258	-481	2235
1950 FEDERAL ENERGY S/D	-1739	-3123	-1502	-921	-1873	-398	4407	5489	4864	6260	5964	5516	8688	3300	2604
1951 FEDERAL ENERGY S/D	886	1015	253	1441	1192	3470	7136	7654	3589	7047	6707	6898	3434	3012	3826
1952 FEDERAL ENERGY S/D	1696	794	851	2330	-42	323	5371	4185	1421	7202	7141	8314	5122	1200	3124
1953 FEDERAL ENERGY S/D	267	-2257	-991	-445	-1573	-959	-197	6286	4111	1413	2594	4587	6461	2463	1729
1954 FEDERAL ENERGY S/D	2007	-456	-475	508	-971	-714	3323	7160	3115	3624	4264	6103	7314	3951	2836
1955 FEDERAL ENERGY S/D	2983	1956	3271	1613	173	-668	1902	275	-534	5273	2497	2758	6887	5016	2254
1956 FEDERAL ENERGY S/D	1592	993	314	1036	488	3070	7448	6337	3937	6331	8670	9277	8860	2703	4355
1957 FEDERAL ENERGY S/D	2117	566	-126	839	-1238	-311	1499	4854	3173	6790	3817	8931	6781	171	2602
1958 FEDERAL ENERGY S/D	-232	-2288	-868	-169	-1438	-1241	1963	6270	1725	3194	5452	7647	5694	-445	1850
1959 FEDERAL ENERGY S/D	490	-1897	-883	589	-347	1057	7176	6469	2545	4454	3113	5317	6977	2592	2881
1960 FEDERAL ENERGY S/D	1733	-679	2634	4136	1624	2041	5404	1943	3011	9343	5294	3656	4235	2277	3234
1961 FEDERAL ENERGY S/D	709	-2208	-1181	134	-780	-1595	3621	6806	3687	4665	1620	6155	7647	626	2293
1962 FEDERAL ENERGY S/D	793	-1673	-1064	318	-1665	-1206	3902	967	736	6235	6479	4102	2941	1540	1374
1963 FEDERAL ENERGY S/D	2060	-945	-909	1146	2	702	4626	3198	705	3471	3195	3609	4726	1649	1945
1964 FEDERAL ENERGY S/D	1465	-1029	-156	-7	-1503	-1451	1624	4623	285	4198	2196	4217	8104	3918	1922
1965 FEDERAL ENERGY S/D	1623	569	862	1503	-147	2927	8231	7305	3689	4696	7441	6696	6273	1692	3850
1966 FEDERAL ENERGY S/D	1684	167	-56	1061	-431	-874	3387	3992	707	6396	3094	3168	1956	2127	1726
1967 FEDERAL ENERGY S/D	701	-1877	-834	-38	-1489	-732	5098	6744	2787	2330	179	3956	7332	3837	2277
1968 FEDERAL ENERGY S/D	1741	349	113	691	-705	-848	4131	5738	3341	1304	1247	1669	4321	1881	1888
1969 FEDERAL ENERGY S/D	2038	482	1242	2010	832	374	7171	5677	3804	7188	7423	8618	6050	1310	3805
1970 FEDERAL ENERGY S/D	494	-2154	-878	606	-1398	-1477	1544	5198	2155	2052	2580	3633	4512	1076	1371
1971 FEDERAL ENERGY S/D	1010	-1968	-1102	-160	-1404	-72	6097	8780	4916	5722	6230	8910	7924	3336	3560
1972 FEDERAL ENERGY S/D	2270	1667	715	512	-825	-688	6644	8071	8449	7836	3660	8605	8597	4842	4387
1973 FEDERAL ENERGY S/D	2755	2174	1022	1001	-1132	-363	1451	1432	654	-3	367	1407	1442	50	801
1974 FEDERAL ENERGY S/D	-593	-3008	-1729	-367	-555	2479	8751	8290	5901	7704	7935	8163	9637	5243	4319
1975 FEDERAL ENERGY S/D	2107	2344	1120	-84	-1586	-1052	3408	4217	5528	2863	2958	5038	6551	4686	2747
1976 FEDERAL ENERGY S/D	609	-456	-555	848	695	4150	7281	6338	2679	7887	5775	7934	3908	3936	3677
1977 FEDERAL ENERGY S/D	2999	2258	4193	1145	-1711	-1170	-1044	348	-1395	-191	1736	584	63	-516	325
1978 FEDERAL ENERGY S/D	-1589	-2235	-1943	-763	-862	72	2571	2384	3162	6033	4080	4666	2750	1864	1421

FEDERAL SYSTEM ENERGY ANALYSIS  
 FEDERAL SYSTEM ENERGY SURPLUS/DEFICIT  
 FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

2006- 7 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	1862	-1759	-725	980	-756	-229	-75	1092	329	759	1530	221	3217	1206	538
1930 FEDERAL ENERGY S/D	-347	-2006	-753	70	-316	547	-336	100	408	2482	4967	-364	734	1424	339
1931 FEDERAL ENERGY S/D	-123	-920	-1297	-61	-179	300	-384	-765	204	3309	477	2660	1032	2175	421
1932 FEDERAL ENERGY S/D	-1222	-2123	-1459	217	-61	-262	-1004	1006	3801	7922	6135	5488	5980	2235	1775
1933 FEDERAL ENERGY S/D	148	-654	-374	953	-98	357	5603	5077	1126	4424	2060	3713	9221	5796	2864
1934 FEDERAL ENERGY S/D	1521	1898	773	2315	2010	5975	9184	7877	5121	9119	7163	5911	2086	-1025	4173
1935 FEDERAL ENERGY S/D	-1647	-2497	-799	254	-154	485	5214	4149	2597	5024	2874	3003	4826	2797	2021
1936 FEDERAL ENERGY S/D	540	-2238	-1040	165	-832	272	-143	1317	816	2081	7130	5892	3221	2762	1349
1937 FEDERAL ENERGY S/D	-329	-1970	-714	224	-412	88	-455	-28	146	911	-118	2647	2546	725	335
1938 FEDERAL ENERGY S/D	-1252	-1720	-870	-97	167	659	4385	3353	4832	4418	4861	6383	5522	2146	2470
1939 FEDERAL ENERGY S/D	-252	-2213	-838	479	-869	-74	-349	3448	3210	4544	4362	3135	420	3326	1259
1940 FEDERAL ENERGY S/D	423	-1888	-685	825	-260	-57	638	2219	4889	4769	4253	2797	602	894	1303
1941 FEDERAL ENERGY S/D	-1172	-2345	-792	964	-409	92	404	795	1405	1565	1841	1426	2673	668	598
1942 FEDERAL ENERGY S/D	-1541	-1851	-875	1112	439	3320	4408	3386	580	3219	2570	3781	5042	3549	2162
1943 FEDERAL ENERGY S/D	1997	-417	-653	719	-387	-17	4395	6382	4153	9817	7329	6215	6608	3191	3331
1944 FEDERAL ENERGY S/D	1351	128	-304	984	-800	-136	-85	1451	-178	880	799	958	1632	443	462
1945 FEDERAL ENERGY S/D	-1391	-2050	-1410	214	-138	617	-1635	66	436	1514	1558	3845	3969	2669	704
1946 FEDERAL ENERGY S/D	575	-1289	-544	122	-181	1030	5382	3776	3492	5194	6402	6980	5919	2809	2852
1947 FEDERAL ENERGY S/D	1325	-1624	-99	1214	32	2816	7138	7692	2769	4911	4442	5913	5952	2153	3342
1948 FEDERAL ENERGY S/D	354	-1834	-272	3900	1733	1188	6687	5602	3311	3313	5550	8496	11703	5280	4277
1949 FEDERAL ENERGY S/D	1792	2246	1285	1477	-374	-463	3003	3399	6465	6035	6998	6336	5266	531	2955
1950 FEDERAL ENERGY S/D	-1526	-2911	-1280	-68	-967	588	5467	6522	5845	7157	5861	5489	9701	4317	3325
1951 FEDERAL ENERGY S/D	1102	1232	475	2298	2101	4459	8200	8690	4570	7946	6606	6873	4440	4028	4548
1952 FEDERAL ENERGY S/D	1913	1009	1075	3188	864	1309	6431	5217	2399	8100	7038	8291	6131	2212	3846
1953 FEDERAL ENERGY S/D	483	-2045	-769	409	-667	28	859	7319	5090	2311	2487	4559	7469	3478	2449
1954 FEDERAL ENERGY S/D	2224	-241	-252	1362	-64	272	4382	8196	4095	4518	4157	6078	8326	4968	3558
1955 FEDERAL ENERGY S/D	3204	2174	3498	2470	1079	320	2962	1304	439	6170	2391	2727	7897	6036	2975
1956 FEDERAL ENERGY S/D	1809	1208	535	1892	1395	4058	8512	7374	4914	7228	8570	9254	9873	3718	5078
1957 FEDERAL ENERGY S/D	2334	781	96	1694	-332	675	2560	5887	4147	7692	3709	8908	7791	1182	3322
1958 FEDERAL ENERGY S/D	-17	-2076	-647	685	-531	-255	3022	7304	2702	4088	5348	7621	6703	566	2570
1959 FEDERAL ENERGY S/D	704	-1684	-660	1444	559	2045	8238	7505	3523	5351	3006	5291	7989	3607	3603
1960 FEDERAL ENERGY S/D	1950	-465	2861	4997	2534	3030	6465	2975	3988	10246	5192	3627	5241	3292	3956
1961 FEDERAL ENERGY S/D	925	-1996	-959	989	127	-608	4681	7844	4665	5564	1514	6130	8661	1639	3014
1962 FEDERAL ENERGY S/D	1009	-1459	-843	1173	-759	-220	4960	1999	1710	7131	6376	4073	3948	2553	2094
1963 FEDERAL ENERGY S/D	2278	-731	-687	2001	909	1690	5685	4230	1680	4364	3092	3579	5732	2663	2665
1964 FEDERAL ENERGY S/D	1681	-816	67	848	-597	-465	2683	5656	1260	5091	2088	4188	9115	4936	2643
1965 FEDERAL ENERGY S/D	1841	785	1086	2360	759	3915	9295	8341	4667	5590	7338	6671	7282	2706	4572
1966 FEDERAL ENERGY S/D	1902	382	166	1917	476	112	4447	5025	1681	7294	2989	3139	2963	3141	2446
1967 FEDERAL ENERGY S/D	918	-1664	-613	816	-583	255	6159	7779	3767	3226	70	3927	8344	4855	2998
1968 FEDERAL ENERGY S/D	1959	565	336	1547	200	138	5189	6773	4321	2199	1141	1637	5329	2896	2608
1969 FEDERAL ENERGY S/D	2256	698	1467	2867	1740	1361	8233	6716	4780	8086	7322	8596	7061	2324	4527
1970 FEDERAL ENERGY S/D	709	-1941	-656	1460	-491	-492	2601	6228	3133	2948	2475	3603	5518	2088	2091
1971 FEDERAL ENERGY S/D	1226	-1756	-881	694	-498	914	7158	9819	5893	6621	6128	8888	8934	4352	4282
1972 FEDERAL ENERGY S/D	2489	1885	937	1366	81	299	7703	9108	9434	8736	3555	8581	9610	5862	5110
1973 FEDERAL ENERGY S/D	2974	2392	1246	1857	-225	622	2508	2462	1628	890	263	1376	2446	1060	1520
1974 FEDERAL ENERGY S/D	-380	-2796	-1508	487	352	3468	9817	9330	6880	8603	7833	8139	10651	6263	5042
1975 FEDERAL ENERGY S/D	2325	2563	1342	770	-680	-66	4468	5248	6509	3757	2852	5010	7560	5704	3468
1976 FEDERAL ENERGY S/D	824	-243	-333	1703	1603	5139	8344	7374	3657	8786	5672	7910	4914	4954	4399
1977 FEDERAL ENERGY S/D	3218	2477	4421	2001	-804	-184	14	1375	-423	701	1633	554	1066	493	1044
1978 FEDERAL ENERGY S/D	-1373	-2022	-1722	90	43	1058	3628	3414	4137	6933	3976	4637	3755	2878	2140

FEDERAL SYSTEM ENERGY ANALYSIS  
 FEDERAL SYSTEM ENERGY SURPLUS/DEFICIT  
 FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
 (FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

2007- 8 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	2817	-810	99	1188	-547	-19	39	1217	457	891	2665	1363	3368	1360	942
1930 FEDERAL ENERGY S/D	604	-1056	70	279	-107	757	-224	225	536	2614	6105	781	885	1580	743
1931 FEDERAL ENERGY S/D	829	31	-473	148	30	510	-272	-641	333	3442	1613	3807	1184	2332	826
1932 FEDERAL ENERGY S/D	-269	-1172	-636	426	149	-52	-893	1130	3931	8059	7272	6634	6137	2392	2180
1933 FEDERAL ENERGY S/D	1099	298	450	1161	110	566	5720	5209	1259	4560	3193	4860	9380	5961	3271
1934 FEDERAL ENERGY S/D	2475	2853	1598	2526	2220	6188	9304	8013	5258	9260	8303	7062	2240	-869	4582
1935 FEDERAL ENERGY S/D	-697	-1547	25	462	55	695	5330	4280	2730	5164	4006	4148	4981	2958	2427
1936 FEDERAL ENERGY S/D	1493	-1288	-216	374	-624	482	-31	1445	944	2213	8265	7040	3377	2919	1754
1937 FEDERAL ENERGY S/D	625	-1019	111	432	-203	297	-342	97	274	1044	1015	3792	2697	881	739
1938 FEDERAL ENERGY S/D	-302	-770	-46	110	376	868	4500	3483	4964	4554	5995	7533	5676	2304	2876
1939 FEDERAL ENERGY S/D	698	-1265	-14	688	-661	135	-235	3576	3338	4678	5495	4282	571	3484	1664
1940 FEDERAL ENERGY S/D	1376	-937	140	1034	-51	152	753	2345	5019	4904	5389	3943	753	1049	1709
1941 FEDERAL ENERGY S/D	-221	-1396	32	1173	-200	302	516	920	1534	1697	2977	2572	2825	822	1002
1942 FEDERAL ENERGY S/D	-590	-902	-52	1321	647	3533	4522	3516	711	3351	3705	4926	5196	3710	2568
1943 FEDERAL ENERGY S/D	2951	533	171	928	-178	191	4509	6510	4288	9955	8465	7366	6763	3350	3738
1944 FEDERAL ENERGY S/D	2304	1079	520	1193	-591	73	30	1576	-50	1012	1934	2102	1783	598	867
1945 FEDERAL ENERGY S/D	-440	-1100	-586	422	71	827	-1526	191	564	1646	2689	4990	4123	2826	1108
1946 FEDERAL ENERGY S/D	1527	-340	280	330	28	1239	5496	3904	3624	5329	7538	8132	6075	2969	3259
1947 FEDERAL ENERGY S/D	2278	-673	725	1421	240	3027	7255	7824	2903	5047	5577	7062	6109	2311	3749
1948 FEDERAL ENERGY S/D	1306	-886	552	4113	1943	1398	6803	5733	3443	3448	6686	9646	11866	5444	4685
1949 FEDERAL ENERGY S/D	2745	3201	2111	1686	-166	-255	3118	3528	6597	6169	8135	7484	5421	687	3361
1950 FEDERAL ENERGY S/D	-576	-1962	-456	139	-760	798	5583	6652	5979	7293	6997	6638	9862	4478	3732
1951 FEDERAL ENERGY S/D	2055	2184	1299	2509	2310	4670	8318	8823	4705	8083	7744	8024	4593	4190	4956
1952 FEDERAL ENERGY S/D	2867	1961	1900	3399	1073	1519	6548	5346	2532	8237	8174	9442	6286	2372	4253
1953 FEDERAL ENERGY S/D	1435	-1097	55	617	-458	238	969	7448	5224	2448	3619	5706	7626	3638	2856
1954 FEDERAL ENERGY S/D	3178	710	571	1572	144	481	4498	8328	4229	4652	5289	7228	8488	5132	3966
1955 FEDERAL ENERGY S/D	4160	3128	4327	2680	1289	530	3077	1432	568	6306	3524	3872	8054	6202	3383
1956 FEDERAL ENERGY S/D	2763	2161	1360	2102	1605	4269	8631	7508	5047	7365	9709	10407	10034	3879	5487
1957 FEDERAL ENERGY S/D	3288	1734	921	1903	-124	884	2674	6017	4277	7833	4842	10060	7949	1339	3729
1958 FEDERAL ENERGY S/D	933	-1127	176	893	-322	-47	3137	7435	2834	4222	6481	8771	6859	724	2976
1959 FEDERAL ENERGY S/D	1657	-735	164	1653	768	2255	8355	7639	3659	5488	4140	6440	8149	3768	4010
1960 FEDERAL ENERGY S/D	2904	487	3689	5209	2745	3241	6582	3107	4120	10387	6328	4774	5398	3453	4364
1961 FEDERAL ENERGY S/D	1879	-1047	-136	1198	336	-399	4796	7978	4799	5702	2645	7281	8822	1798	3422
1962 FEDERAL ENERGY S/D	1962	-510	-19	1382	-551	-11	5076	2129	1841	7267	7512	5221	4103	2712	2500
1963 FEDERAL ENERGY S/D	3231	220	136	2211	1118	1901	5802	4359	1812	4499	4227	4725	5887	2824	3072
1964 FEDERAL ENERGY S/D	2634	135	892	1057	-389	-257	2798	5787	1392	5224	3219	5335	9275	5101	3050
1965 FEDERAL ENERGY S/D	2795	1736	1911	2571	968	4126	9414	8475	4800	5725	8476	7821	7438	2866	4980
1966 FEDERAL ENERGY S/D	2857	1333	990	2126	684	322	4562	5156	1812	7431	4124	4285	3119	3301	2853
1967 FEDERAL ENERGY S/D	1871	-715	212	1025	-375	464	6276	7912	3902	3363	1201	5074	8503	5019	3406
1968 FEDERAL ENERGY S/D	2913	1517	1161	1756	410	349	5304	6905	4455	2335	2275	2781	5485	3057	3015
1969 FEDERAL ENERGY S/D	3210	1650	2293	3077	1949	1572	8351	6851	4914	8224	8461	9748	7219	2482	4936
1970 FEDERAL ENERGY S/D	1662	-991	167	1670	-282	-283	2714	6356	3266	3083	3609	4748	5671	2247	2496
1971 FEDERAL ENERGY S/D	2179	-807	-58	903	-291	1123	7274	9953	6026	6759	7265	10039	9093	4513	4689
1972 FEDERAL ENERGY S/D	3444	2838	1763	1574	290	507	7820	9242	9573	8876	4690	9732	9770	6027	5519
1973 FEDERAL ENERGY S/D	3930	3347	2071	2066	-17	832	2621	2590	1757	1023	1397	2519	2598	1216	1925
1974 FEDERAL ENERGY S/D	572	-1847	-684	695	559	3681	9938	9467	7015	8740	8972	9290	10813	6429	5452
1975 FEDERAL ENERGY S/D	3279	3517	2169	978	-472	142	4583	5377	6643	3891	3984	6156	7717	5868	3875
1976 FEDERAL ENERGY S/D	1776	708	491	1912	1812	5350	8463	7508	3791	8923	6807	9060	5068	5117	4807
1977 FEDERAL ENERGY S/D	4175	3432	5252	2210	-596	25	129	1500	-296	834	2769	1698	1217	648	1449
1978 FEDERAL ENERGY S/D	-423	-1072	-899	298	253	1265	3742	3542	4269	7071	5111	5786	3908	3037	2545

FEDERAL SYSTEM ENERGY ANALYSIS

FEDERAL SYSTEM ENERGY SURPLUS/DEFICIT  
FOR THE 50 HISTORICAL WATER YEARS ON RECORD  
(FEDERAL TABLE 2 LINE 42)

1998 WHITE BOOK: 12/31/98

2008- 9 OPERATING YEAR

RUN DATE: 12/31/98

ENERGY IN AVERAGE MEGAWATTS	AUG		SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	APR	MAY	JUN	JUL	12 MO
	1-15	16-31								1-15	16-30				AVG
1929 FEDERAL ENERGY S/D	2975	-654	251	1319	-427	100	59	1215	455	892	1667	365	3540	1531	904
1930 FEDERAL ENERGY S/D	761	-900	222	409	15	876	-206	224	534	2615	5107	-215	1057	1752	705
1931 FEDERAL ENERGY S/D	986	187	-322	277	151	630	-254	-642	330	3443	616	2811	1356	2504	788
1932 FEDERAL ENERGY S/D	-112	-1016	-484	556	271	67	-875	1129	3929	8061	6275	5639	6311	2566	2143
1933 FEDERAL ENERGY S/D	1256	454	602	1292	231	685	5740	5211	1259	4563	2192	3865	9556	6137	3234
1934 FEDERAL ENERGY S/D	2633	3011	1750	2657	2343	6310	9327	8017	5260	9265	7306	6069	2413	-697	4546
1935 FEDERAL ENERGY S/D	-540	-1391	176	592	176	814	5351	4282	2730	5167	3007	3151	5155	3131	2390
1936 FEDERAL ENERGY S/D	1651	-1133	-64	503	-503	602	-13	1446	942	2215	7267	6044	3551	3092	1717
1937 FEDERAL ENERGY S/D	782	-863	262	562	-81	417	-324	96	272	1045	15	2795	2869	1052	701
1938 FEDERAL ENERGY S/D	-145	-615	105	239	497	988	4520	3484	4964	4557	4996	6539	5850	2477	2838
1939 FEDERAL ENERGY S/D	855	-1109	137	817	-540	254	-216	3576	3337	4679	4496	3286	743	3657	1626
1940 FEDERAL ENERGY S/D	1534	-782	292	1164	70	271	773	2345	5018	4905	4391	2946	925	1222	1671
1941 FEDERAL ENERGY S/D	-64	-1240	184	1304	-79	421	536	919	1532	1697	1979	1576	2997	993	964
1942 FEDERAL ENERGY S/D	-433	-745	100	1451	768	3654	4542	3517	710	3352	2707	3929	5369	3883	2530
1943 FEDERAL ENERGY S/D	3109	689	322	1057	-57	310	4527	6510	4288	9958	7467	6371	6938	3523	3700
1944 FEDERAL ENERGY S/D	2462	1235	671	1322	-471	192	49	1575	-53	1013	936	1104	1954	769	828
1945 FEDERAL ENERGY S/D	-283	-945	-434	552	192	946	-1508	190	562	1648	1689	3993	4296	2999	1070
1946 FEDERAL ENERGY S/D	1684	-183	432	459	149	1358	5516	3905	3624	5331	6540	7138	6249	3142	3222
1947 FEDERAL ENERGY S/D	2436	-517	877	1552	360	3146	7275	7826	2904	5049	4579	6067	6284	2485	3713
1948 FEDERAL ENERGY S/D	1463	-729	704	4244	2065	1517	6822	5734	3443	3450	5686	8652	12043	5619	4648
1949 FEDERAL ENERGY S/D	2903	3359	2263	1816	-45	-135	3137	3529	6596	6172	7137	6488	5594	858	3324
1950 FEDERAL ENERGY S/D	-420	-1806	-304	269	-640	918	5603	6654	5981	7294	5999	5643	10038	4652	3696
1951 FEDERAL ENERGY S/D	2212	2342	1451	2639	2431	4790	8339	8826	4707	8087	6747	7030	4767	4365	4920
1952 FEDERAL ENERGY S/D	3025	2119	2053	3530	1194	1639	6569	5347	2533	8239	7176	8449	6460	2545	4217
1953 FEDERAL ENERGY S/D	1592	-942	206	747	-338	358	988	7449	5225	2452	2619	4710	7801	3812	2818
1954 FEDERAL ENERGY S/D	3335	867	722	1702	266	600	4517	8331	4230	4653	4289	6234	8664	5307	3929
1955 FEDERAL ENERGY S/D	4319	3287	4481	2811	1411	650	3097	1432	566	6309	2524	2876	8228	6378	3346
1956 FEDERAL ENERGY S/D	2921	2319	1513	2233	1726	4388	8653	7511	5047	7368	8712	9413	10211	4052	5451
1957 FEDERAL ENERGY S/D	3447	1891	1072	2033	-4	1003	2694	6018	4276	7837	3842	9067	8124	1512	3692
1958 FEDERAL ENERGY S/D	1090	-972	329	1023	-201	72	3157	7436	2835	4224	5483	7776	7034	896	2939
1959 FEDERAL ENERGY S/D	1814	-578	315	1783	889	2374	8376	7642	3660	5490	3141	5446	8325	3941	3974
1960 FEDERAL ENERGY S/D	3063	644	3842	5341	2867	3361	6603	3108	4120	10392	5330	3778	5571	3627	4328
1961 FEDERAL ENERGY S/D	2036	-891	16	1328	456	-281	4816	7981	4800	5706	1645	6287	8999	1971	3385
1962 FEDERAL ENERGY S/D	2120	-353	132	1512	-430	108	5096	2131	1839	7270	6514	4225	4276	2884	2462
1963 FEDERAL ENERGY S/D	3389	376	289	2341	1239	2021	5822	4360	1812	4500	3230	3728	6061	2997	3035
1964 FEDERAL ENERGY S/D	2792	291	1044	1187	-268	-137	2818	5789	1391	5225	2218	4339	9450	5276	3013
1965 FEDERAL ENERGY S/D	2952	1894	2064	2701	1089	4245	9436	8477	4800	5726	7478	6826	7613	3039	4943
1966 FEDERAL ENERGY S/D	3015	1490	1141	2257	806	441	4583	5158	1812	7435	3125	3289	3293	3475	2816
1967 FEDERAL ENERGY S/D	2029	-558	363	1155	-254	583	6296	7915	3903	3366	200	4078	8679	5195	3369
1968 FEDERAL ENERGY S/D	3071	1674	1314	1887	530	467	5324	6907	4457	2337	1276	1784	5660	3230	2978
1969 FEDERAL ENERGY S/D	3369	1807	2446	3208	2071	1691	8372	6854	4913	8228	7463	8754	7394	2656	4899
1970 FEDERAL ENERGY S/D	1819	-836	319	1800	-161	-164	2733	6356	3266	3085	2610	3751	5845	2419	2459
1971 FEDERAL ENERGY S/D	2337	-651	93	1032	-170	1242	7294	9957	6026	6763	6267	9045	9268	4687	4653
1972 FEDERAL ENERGY S/D	3602	2997	1915	1705	410	627	7840	9245	9576	8881	3691	8738	9946	6203	5483
1973 FEDERAL ENERGY S/D	4089	3505	2224	2196	104	951	2640	2591	1756	1023	398	1521	2771	1389	1888
1974 FEDERAL ENERGY S/D	729	-1691	-533	824	680	3801	9961	9470	7015	8743	7974	8296	10988	6604	5415
1975 FEDERAL ENERGY S/D	3438	3675	2321	1108	-352	261	4603	5378	6645	3893	2984	5160	7891	6043	3838
1976 FEDERAL ENERGY S/D	1934	865	642	2043	1934	5470	8484	7510	3792	8926	5809	8066	5242	5292	4770
1977 FEDERAL ENERGY S/D	4334	3591	5407	2340	-475	144	148	1499	-299	834	1771	701	1390	820	1412
1978 FEDERAL ENERGY S/D	-266	-916	-748	428	373	1385	3761	3543	4268	7074	4113	4790	4082	3210	2508