

Hydropower Modeling Attachment: Alternative Plan 3, SWP, Future Conditions

**Upper San Joaquin River Basin Storage
Investigation, California**

Prepared by:

**United States Department of the Interior
Bureau of Reclamation
Mid-Pacific Region**



**U.S. Department of the Interior
Bureau of Reclamation**

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Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

Energy generated (GWh) at Alamo Dam: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	11.23	10.87	11.23	3.30	9.14	9.86	9.65	10.15	10.87	11.23	11.23	10.04	118.80
1923	Below Normal	9.44	8.66	8.59	11.23	10.15	9.70	7.43	9.51	10.87	9.96	10.54	9.78	115.86
1924	Critical	8.11	7.25	6.54	2.38	2.75	2.81	4.62	6.32	6.56	5.92	5.90	5.55	64.71
1925	Dry	3.70	2.91	2.55	0.71	1.36	4.10	8.45	10.91	10.87	11.03	11.23	10.87	78.69
1926	Dry	9.13	8.19	7.19	0.78	1.75	3.61	6.39	8.95	9.17	9.08	10.20	9.35	83.79
1927	Wet	7.50	6.70	5.89	1.47	6.10	11.12	10.51	10.97	10.87	11.23	11.23	10.80	104.39
1928	Above Normal	10.38	9.59	9.59	7.47	8.75	5.33	10.87	11.23	10.87	11.23	11.23	10.87	117.41
1929	Critical	11.23	10.87	10.96	7.71	7.28	3.74	4.27	6.98	7.22	6.52	6.53	0.97	84.28
1930	Dry	3.93	5.18	5.00	0.69	1.67	2.47	6.84	8.97	9.29	8.70	9.17	8.56	70.47
1931	Critical	6.21	5.22	4.59	0.70	1.63	2.71	5.79	7.75	8.01	7.23	7.23	6.79	63.86
1932	Dry	4.58	3.62	3.16	0.93	2.48	4.05	6.37	8.33	10.84	9.40	9.33	8.58	71.67
1933	Critical	6.75	5.98	5.28	0.73	6.34	3.34	6.40	8.82	9.10	8.62	9.16	8.52	79.04
1934	Critical	6.28	5.30	4.67	0.73	1.80	3.37	6.64	8.89	9.16	8.55	7.95	0.29	63.63
1935	Below Normal	8.61	7.87	6.70	0.73	2.27	3.65	10.47	11.23	10.87	11.23	11.23	10.87	95.73
1936	Below Normal	10.49	9.59	9.16	4.71	5.50	11.23	10.87	11.23	10.87	11.23	11.23	10.87	116.98
1937	Below Normal	11.23	10.71	10.70	8.05	10.15	10.83	10.87	11.23	10.87	11.23	11.23	10.87	127.97
1938	Wet	11.23	10.87	11.23	10.57	10.15	11.23	10.87	11.23	10.87	11.23	11.23	10.87	131.58
1939	Dry	11.23	10.87	11.23	11.23	10.15	6.26	7.32	9.19	3.60	11.11	2.52	9.69	104.40
1940	Above Normal	1.31	0.99	9.65	0.73	1.41	4.64	8.49	10.99	8.97	11.23	11.23	10.87	80.51
1941	Wet	9.63	8.63	7.56	4.86	9.70	10.69	10.87	11.23	10.87	11.23	11.23	10.87	117.37
1942	Wet	11.23	10.56	10.57	11.23	10.15	11.23	8.35	9.59	10.87	11.23	10.64	9.71	125.36
1943	Wet	8.45	7.63	7.16	10.98	10.15	10.62	10.87	11.23	10.87	11.23	11.23	10.87	121.29
1944	Dry	11.23	0.06	11.23	4.86	4.76	4.05	6.85	8.95	9.19	8.76	9.39	8.74	88.07
1945	Below Normal	6.50	5.55	4.89	1.32	2.29	11.23	10.87	11.23	10.87	11.23	11.23	10.87	98.08
1946	Below Normal	11.23	10.39	10.38	11.23	10.15	11.23	8.58	9.40	10.87	9.73	9.81	9.34	122.34
1947	Dry	8.67	7.92	7.79	6.52	6.80	4.90	10.87	11.23	10.87	11.23	11.23	10.87	108.90
1948	Below Normal	11.23	10.87	10.93	6.47	6.23	3.50	5.74	1.59	0.81	11.23	11.23	10.87	90.70
1949	Dry	9.81	8.86	7.76	1.23	2.13	3.31	9.51	11.23	10.87	11.23	4.02	10.87	90.83
1950	Below Normal	10.48	2.14	10.36	1.14	1.49	2.82	7.80	9.80	0.31	11.23	11.23	10.87	79.67
1951	Above Normal	9.52	8.54	7.52	11.23	10.15	11.23	9.71	10.66	10.87	11.23	10.93	10.50	122.09
1952	Wet	10.08	9.28	9.31	11.23	10.51	11.23	10.87	11.23	10.87	11.23	11.23	10.87	127.94
1953	Wet	11.12	10.24	10.26	11.23	10.15	11.23	7.32	9.49	9.64	9.65	10.62	9.83	120.78
1954	Above Normal	8.00	7.13	6.33	2.20	8.94	5.61	8.06	10.37	10.56	10.50	11.23	10.79	99.72
1955	Dry	8.64	7.72	6.75	1.47	2.87	4.28	7.51	9.50	9.69	9.63	10.76	9.88	88.70
1956	Wet	7.89	7.04	6.19	8.45	10.51	11.23	10.87	11.23	10.87	11.23	11.23	10.87	117.61
1957	Above Normal	11.23	10.59	10.60	9.33	8.92	8.04	8.43	10.81	4.58	11.20	11.23	10.87	115.83
1958	Wet	9.61	8.65	7.57	1.69	10.15	10.94	10.87	11.23	10.87	11.23	11.23	10.87	114.91
1959	Below Normal	11.23	4.72	11.23	6.39	6.37	5.42	7.21	9.02	0.33	10.92	11.23	10.87	94.94
1960	Dry	8.73	7.79	6.87	0.73	1.15	3.24	9.68	11.23	7.00	11.23	8.46	10.87	86.98
1961	Dry	11.08	10.02	9.05	2.14	2.70	2.79	7.51	9.42	9.67	9.56	7.12	3.06	84.12
1962	Below Normal	0.10	5.37	11.23	0.77	1.27	4.26	7.98	10.15	3.60	11.23	11.23	10.87	78.06
1963	Wet	9.89	8.87	7.81	9.16	9.54	9.03	8.42	9.54	10.87	11.23	10.04	9.52	113.92
1964	Dry	8.69	7.90	7.68	6.95	10.51	9.34	9.52	10.25	10.25	10.48	10.76	10.20	112.53
1965	Wet	9.39	8.57	8.36	10.30	10.15	11.14	8.95	9.81	7.06	11.23	11.02	10.42	116.40
1966	Below Normal	9.44	8.58	8.26	11.23	10.15	8.72	7.69	9.56	9.69	9.71	10.55	9.79	113.37
1967	Wet	8.19	7.33	6.65	3.27	10.15	11.23	10.87	11.23	10.87	11.23	11.23	10.87	113.12
1968	Below Normal	11.23	10.87	11.23	7.62	7.44	5.72	7.36	9.27	0.35	11.21	11.23	10.87	104.40
1969	Wet	8.93	7.98	7.03	8.39	10.15	11.23	10.87	11.23	10.87	11.23	11.23	10.87	120.01
1970	Wet	11.23	10.87	11.23	11.23	10.15	11.23	10.87	10.39	10.87	11.23	10.66	10.22	130.18
1971	Wet	9.82	9.03	9.06	11.23	10.15	10.79	7.73	9.62	9.74	9.79	10.56	9.83	117.35
1972	Below Normal	8.30	7.45	6.83	5.62	10.51	8.76	8.14	9.97	10.16	10.11	11.12	10.28	107.25
1973	Above Normal	8.42	7.54	6.75	2.75	10.15	11.10	10.36	11.23	10.87	11.23	11.23	10.87	112.50
1974	Wet	10.65	9.81	9.83	11.23	10.15	11.23	10.87	11.23	10.87	11.23	11.23	10.87	129.20
1975	Wet	10.76	9.89	9.92	11.23	10.10	11.23	10.74	11.11	10.87	11.23	11.23	10.87	129.18
1976	Critical	10.50	9.71	9.72	7.65	7.98	5.94	8.31	10.52	7.93	10.92	6.12	10.87	106.17
1977	Critical	9.85	8.83	5.50	0.76	1.18	1.62	3.26	0.26	0.00	0.36	0.62	0.31	32.55
1978	Above Normal	0.11	3.09	9.40	0.67	2.87	9.11	9.56	11.15	10.87	11.23	11.23	10.87	90.16
1979	Below Normal	9.96	9.04	8.61	5.08	5.50	11.23	10.71	11.13	10.87	11.23	11.23	10.87	115.46
1980	Above Normal	10.52	9.72	9.72	11.23	10.51	11.23	10.87	11.23	10.87	11.23	11.23	10.87	129.23
1981	Dry	11.23	10.87	11.17	9.08	10.15	8.36	8.32	10.79	8.50	11.19	11.23	10.87	121.76
1982	Wet	9.23	8.27	7.32	8.28	10.15	10.86	10.87	11.23	10.87	11.23	11.23	10.87	120.41
1983	Wet	11.23	10.87	11.23	11.23	10.15	11.23	10.87	11.23	10.87	11.23	11.23	10.87	132.24
1984	Wet	11.23	10.87	8.61	11.23	10.51	11.23	9.56	10.60	10.87	11.23	10.88	10.45	127.27
1985	Dry	10.01	9.23	9.28	11.23	9.21	10.38	9.86	10.47	10.43	10.73	10.74	10.30	121.87
1986	Wet	9.90	9.12	9.14	7.83	8.32	11.23	10.87	11.23	10.87	11.23	11.23	10.87	121.84
1987	Dry	11.23	5.17	11.23	6.02	5.21	2.92	4.43	5.86	6.08	5.49	5.50	5.16	74.30
1988	Critical	3.48	2.72	2.39	0.72	1.93	1.63	3.35	4.66	4.84	4.42	4.38	4.10	38.62
1989	Dry	2.71	2.08	1.85	1.00	2.03	2.42	10.66	11.23	10.87	11.23	10.65	10.87	77.60
1990	Critical	10.99	10.06	9.67	4.96	4.99	3.53	5.11	6.80	7.06	6.38	6.37	6.00	81.92
1991	Critical	4.05	3.18	2.78	0.70	1.19	1.63	3.47	4.57	4.76	4.35	4.32	4.06	39.06
1992	Critical	2.70	2.07	1.84	0.69	1.18	1.62	4.57	6.07	6.28	5.67	5.42	5.42	43.53
1993	Above Normal	2.69	2.04	3.62	0.73	9.83	9.58	8.89	10.16	4.23	11.23	11.23	10.87	85.10
1994	Critical	9.99	9.07	8.48	4.47	5.01	5.34	8.32	10.49	4.79	11.23	2.41	4.30	83.90
1995	Wet	0.64	1.22	11.23	0.77	7.71	6.41	10.87	11.23	10.87	11.23	11.23	10.87	94.28
1996	Wet	7.59	0.06	11.23	6.51	5.72	9.50	10.19	10.49	10.87	11.23	11.13	10.32	104.84
1997	Wet	9.91	9.15	9.17	11.23	10.15	11.23	10.87	11.23	10.87	11.23	11.23	10.87	127.14
1998	Wet	11.23	10.77	10.78	9.23	10.15	11.23	10.87	11.23	10.87	11.23	11.23	10.87	129.69
1999	Wet	10.74	10.14	10.52	11.23	10.15	10.23	9.61	10.55	10.87	11.23	11.23	10.41	126.91
2000	Above Normal	10.00	9.21	9.23	8.37	10.51	9.13	9.23	10.64	10.87	11.23	11.23	10.77	120.42
2001	Dry	9.43	8.56	8.09	4.22	4.34	3.68	6.70	9.00	9.29	8.49	8.65	8.13	88.58
2002	Dry	5.60	4.53	3.95	1.44	2.88	4.14	10.87	11.23	10.87	11.23	4.38	10.87	81.99
2003	Above Normal	1.33	1.48	11.23	2.21	3.33	4.32	7.26	9.16	0.27	11.11	11.23	10.87	73.80
Average		8.55	7.52	8.21	5.74	6.84	7.42	8.66	9.78	8.85	10.17	9.73	9.48	100.95
Wet		9.51	8.55	9.03	8.67	9.66	10.76	10.20	10.79	10.63	11.11	11.07	10.59	120.59
Above Normal														

Difference in Energy generated (GWh) at Alamo Dam: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.85	0.72	0.00	0.19
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	(0.07)	(0.01)	0.00	1.25	0.30	0.01	0.01	0.12
1924	Critical	(0.01)	0.00	(0.01)	(0.05)	(0.03)	(0.01)	0.00	0.01	0.00	0.00	0.00	0.00	(0.01)
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
1926	Dry	0.00	0.00	0.00	0.00	(0.01)	0.00	(0.01)	(0.01)	(0.01)	0.00	(0.01)	0.00	0.00
1927	Wet	0.00	0.00	(0.01)	0.00	(0.01)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.15	0.01
1930	Dry	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.30	0.98	0.00	0.00	0.27
1933	Critical	0.00	0.00	0.00	0.00	(0.27)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.02)
1934	Critical	0.00	0.00	0.00	0.00	0.33	0.51	(0.04)	(0.07)	(0.10)	0.19	4.37	0.00	0.43
1935	Below Normal	(0.94)	0.03	0.31	0.02	(0.02)	(0.02)	(0.29)	0.00	0.00	0.00	0.00	0.00	(0.08)
1936	Below Normal	(0.19)	(0.21)	(0.33)	(0.70)	(0.59)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.17)
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1938	Wet	0.00	0.00	0.00	1.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
1939	Dry	0.00	0.00	0.00	1.53	0.00	(0.82)	(1.35)	(1.74)	2.18	(0.12)	0.63	(1.18)	(0.07)
1940	Above Normal	0.29	0.32	0.23	(0.01)	0.01	0.00	0.00	0.00	2.33	0.57	0.00	0.00	0.31
1941	Wet	0.01	0.00	0.01	0.00	0.00	(0.04)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1942	Wet	0.00	(0.04)	(0.04)	0.00	0.00	0.00	(0.01)	0.00	1.20	1.45	0.28	0.00	0.24
1943	Wet	(0.01)	0.00	0.00	(0.02)	0.00	(0.09)	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1944	Dry	0.00	(0.17)	0.00	(0.45)	(0.39)	(0.13)	(0.01)	(0.01)	0.00	0.00	0.00	0.00	(0.10)
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1946	Below Normal	0.02	0.01	0.01	0.00	0.00	0.00	(0.07)	(0.01)	1.49	0.09	0.03	0.02	0.13
1947	Dry	(0.04)	(0.05)	(0.09)	(0.19)	(0.16)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	(0.05)
1948	Below Normal	0.00	0.00	0.03	(0.42)	(0.33)	(0.12)	0.00	0.36	(0.02)	0.00	0.00	0.00	(0.04)
1949	Dry	0.02	0.01	(0.05)	0.00	0.00	0.00	(0.05)	0.00	0.00	0.00	(0.16)	0.00	(0.02)
1950	Below Normal	0.03	0.07	7.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.28	0.32	0.01	0.01	0.05
1952	Wet	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1953	Wet	(0.11)	(0.63)	(0.97)	0.00	0.00	4.37	0.27	0.34	8.29	(0.71)	(0.61)	(0.72)	0.79
1954	Above Normal	(0.35)	(0.34)	(0.24)	0.79	2.29	0.55	(0.05)	(0.02)	1.05	0.56	0.00	(0.08)	0.35
1955	Dry	(0.16)	(0.14)	(0.13)	0.01	0.09	0.11	0.18	0.23	0.23	0.23	0.26	0.24	0.10
1956	Wet	0.20	0.18	0.15	(0.28)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
1957	Above Normal	0.00	0.04	0.03	0.01	0.01	(0.17)	0.00	0.00	(0.24)	(0.01)	0.00	0.00	(0.03)
1958	Wet	0.01	0.02	0.01	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1959	Below Normal	0.00	3.54	0.00	0.50	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.34
1960	Dry	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.02	0.00	0.06	0.00	0.01
1961	Dry	(0.01)	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.01	0.00
1962	Below Normal	0.00	0.05	4.64	0.00	0.00	0.01	0.00	0.00	3.28	0.00	0.00	0.00	0.67
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	1.48	0.00	0.00	0.23
1964	Dry	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1965	Wet	0.00	0.00	0.00	0.01	0.00	0.00	(0.01)	0.00	3.25	0.51	(0.07)	(0.07)	0.30
1966	Below Normal	(0.02)	(0.04)	(0.04)	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	(0.01)
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1968	Below Normal	0.00	0.00	0.00	1.00	(0.63)	(0.17)	0.03	0.04	0.00	0.05	0.00	0.00	0.03
1969	Wet	0.05	0.04	0.04	(0.03)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1970	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.95	(0.08)	0.46	0.51	(0.07)	(0.08)	0.14
1971	Wet	(0.07)	(0.07)	(0.06)	0.00	0.00	0.11	0.03	(0.01)	(0.02)	(0.01)	(0.04)	(0.02)	(0.01)
1972	Below Normal	0.01	0.02	0.04	0.19	0.01	0.05	0.01	0.00	0.01	0.01	0.00	0.01	0.03
1973	Above Normal	0.01	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1975	Wet	(0.03)	(0.04)	(0.03)	0.00	0.02	0.00	(0.02)	(0.02)	0.00	0.00	0.00	0.00	(0.01)
1976	Critical	(0.02)	(0.02)	(0.01)	0.00	(0.01)	0.01	0.02	0.03	0.08	0.02	(0.05)	0.00	0.00
1977	Critical	0.02	0.01	(0.28)	0.00	0.00	0.00	0.00	(0.04)	0.00	0.00	0.00	0.00	(0.02)
1978	Above Normal	0.00	0.17	2.66	0.00	0.00	(0.71)	(0.35)	0.00	0.00	0.00	0.00	0.00	0.15
1979	Below Normal	(0.29)	(0.34)	(0.56)	(1.38)	(1.18)	0.00	(0.16)	(0.10)	0.00	0.00	0.00	0.00	(0.33)
1980	Above Normal	(0.48)	(0.46)	(0.44)	3.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14
1981	Dry	0.00	1.03	(0.06)	2.67	3.74	3.27	0.74	0.98	8.13	(0.04)	0.00	0.00	1.71
1982	Wet	(0.28)	(0.25)	(0.18)	0.44	0.22	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1984	Wet	0.00	0.00	(2.62)	0.00	0.00	0.00	0.00	0.00	0.35	0.36	0.00	0.00	(0.16)
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1987	Dry	0.00	3.98	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.39
1988	Critical	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.05	0.05	0.05	0.05	0.02
1989	Dry	0.03	0.03	0.02	(0.01)	(0.01)	(0.02)	(0.05)	0.00	0.00	0.00	(0.58)	0.00	(0.05)
1990	Critical	0.11	0.10	0.08	(0.13)	(0.09)	(0.02)	0.03	0.05	0.05	0.05	0.04	0.05	0.03
1991	Critical	0.04	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.08)	(0.10)	(0.11)	(0.10)	(0.10)	(0.10)	(0.05)
1993	Above Normal	0.19	0.01	(0.26)	0.00	0.01	0.03	0.02	0.00	2.62	0.00	0.00	0.00	0.22
1994	Critical	0.04	0.03	0.01	0.06	0.06	0.01	(0.01)	(0.01)	0.31	0.00	0.61	0.10	0.10
1995	Wet	(0.04)	0.10	1.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09
1996	Wet	(3.64)	(3.16)	4.78	0.01	0.00	0.00	(0.03)	(0.03)	0.44	0.46	0.33	(0.03)	(0.07)
1997	Wet	(0.03)	(0.03)	(0.03)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1998	Wet	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1999	Wet	(0.05)	(0.04)	0.44	0.00	0.00	0.00	0.00	0.00	0.40	0.39	0.37	0.00	0.13
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	(0.12)	(0.05)	0.00	0.19	0.37	0.00	0.02	0.03
2001	Dry	(0.03)	(0.04)	(0.06)	(0.17)	(0.14)	(0.04)	0.00	0.00	0.00	0.01	0.01	0.01	(0.04)
2002	Dry	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.29)	0.00	(0.02)
2003	Above Normal	0.00	0.56	2.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.29
Average		(0.07)	0.05	0.22	0.10	0.04	0.08	(0.00)	(0.00)	0.51	0.11	0.07	(0.02)	0.09
Wet		(0.15)	(0.15)	0.10	0.06	0.01	0.17	0.05	0.01	0.60	0.17	0.01	(0.04)	0.07
Above Normal		(0.03)	0.03	0.41	0.33	0.19	(0.04)	(0.03)	(0.00)	0.58	0.22	0.06	(0.00)	0.14
Below Normal		(0.10)	0.22	0.82	(0.06)	(0.20)	(0.02)	(0.03)	0.02	0.43	0.03	0.00	0.00	0.09
Dry		(0.01)	0.26	(0.02)	0.23	0.17	0.13	(0.03)	(0.03)	0.71	0.06	(0.01)	(0.05)	0.12
Critical		0.02	0.01	(0.02)	(0.01)	(0.00)	0.04	(0.01)	(0.01)	0.02	0.02	0.41	0.02	0.04

Percent Difference in Energy generated (GWh) at Alamo Dam: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	8%	8%	7%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	13%	3%	0%	0%
1924	Critical	0%	0%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	18%
1930	Dry	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	27%	12%	0%	0%
1933	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	22%	18%	-1%	-1%	-1%	2%	122%	0%
1935	Below Normal	-10%	0%	5%	3%	-1%	-1%	-3%	0%	0%	0%	0%	0%
1936	Below Normal	-2%	-2%	-3%	-13%	-10%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	16%	0%	-12%	-16%	-16%	154%	-1%	33%	-11%
1940	Above Normal	28%	48%	2%	-1%	1%	0%	0%	0%	35%	5%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	12%	15%	3%	0%
1943	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1944	Dry	0%	-74%	0%	-8%	-8%	-3%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	16%	1%	0%	0%
1947	Dry	0%	-1%	-1%	-3%	-2%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-6%	-5%	-3%	0%	29%	-2%	0%	0%	0%
1949	Dry	0%	0%	-1%	0%	0%	0%	-1%	0%	0%	0%	-4%	0%
1950	Below Normal	0%	3%	240%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	3%	3%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	-1%	-6%	-9%	0%	0%	64%	4%	4%	614%	-7%	-5%	-7%
1954	Above Normal	-4%	-5%	-4%	56%	34%	11%	-1%	0%	11%	6%	0%	-1%
1955	Dry	-2%	-2%	-2%	1%	3%	3%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	2%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-5%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	300%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	1%	70%	0%	0%	0%	0%	0%	>1,000%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	15%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	85%	5%	-1%	-1%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	15%	-8%	-3%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	0%	0%	0%	10%	-1%	4%	5%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	3%	0%	1%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%	0%
1977	Critical	0%	0%	-5%	0%	0%	0%	0%	-13%	0%	0%	0%	0%
1978	Above Normal	0%	6%	39%	0%	0%	-7%	-4%	0%	0%	0%	0%	0%
1979	Below Normal	-3%	-4%	-6%	-21%	-18%	0%	-1%	-1%	0%	0%	0%	0%
1980	Above Normal	-4%	-5%	-4%	38%	0%	0%	0%	0%	0%	0%	0%	0%
1981	Dry	0%	10%	-1%	42%	58%	64%	10%	10%	>1,000%	0%	0%	0%
1982	Wet	-3%	-3%	-2%	6%	2%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	-23%	0%	0%	0%	0%	0%	3%	3%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	334%	0%	12%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	1%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	0%	-1%	0%	0%	0%	0%	-5%	0%
1990	Critical	1%	1%	1%	-3%	-2%	-1%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	8%	0%	-7%	0%	0%	0%	0%	0%	163%	0%	0%	0%
1994	Critical	0%	0%	0%	1%	1%	0%	0%	0%	7%	0%	34%	2%
1995	Wet	-6%	9%	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	-32%	-98%	74%	0%	0%	0%	0%	0%	4%	4%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	4%	0%	0%	0%	0%	0%	4%	4%	3%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	-1%	0%	2%	3%	0%	0%
2001	Dry	0%	0%	-1%	-4%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-6%	0%
2003	Above Normal	0%	61%	35%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	7%	5%	2%	1%	2%	0%	0%	15%	1%	2%	0%
Wet		-2%	-4%	2%	1%	0%	2%	1%	0%	29%	2%	0%	0%
Above Normal		2%	9%	5%	8%	3%	0%	0%	0%	18%	2%	1%	0%
Below Normal		-1%	21%	22%	-1%	-3%	0%	0%	2%	2%	0%	0%	0%
Dry		0%	15%	0%	3%	3%	3%	0%	0%	10%	1%	1%	0%
Critical		0%	0%	0%	0%	1%	1%	0%	-1%	1%	0%	13%	2%

Percent Difference in Energy generated (GWh) at Castaic: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	17%	21%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	29%	3%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	19%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-42%
1930	Dry	1%	-2%	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	3%	0%	0%	26%	9%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	13%	73%	-25%	12%	11%	10%	19%	0%
1935	Below Normal	23%	44%	65%	0%	0%	-1%	0%	1%	1%	3%	2%	0%
1936	Below Normal	-1%	-1%	-5%	-9%	-9%	0%	0%	0%	15%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	-2%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	6%	6%	4%	21%	0%	0%	4%	2%	7%	2%	2%	2%
1939	Dry	5%	6%	3%	28%	-10%	-18%	-14%	-15%	-18%	-13%	11%	-20%
1940	Above Normal	18%	-7%	0%	0%	0%	0%	0%	0%	19%	6%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	17%	24%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	8%	8%	8%	8%
1944	Dry	1%	0%	0%	-6%	-2%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-12%	0%	0%	17%	17%	7%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	35%	2%	1%	0%
1947	Dry	0%	0%	-2%	-4%	5%	-7%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	-1%	0%	0%	-4%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	-23%	-9%	0%	0%	0%	25%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	-9%	0%	0%	-14%	-3%	0%	-8%	-15%
1953	Wet	-18%	-18%	-19%	1%	30%	49%	3%	2%	36%	-11%	-10%	-9%
1954	Above Normal	-9%	-9%	-6%	12%	40%	7%	0%	0%	0%	-2%	-3%	-3%
1955	Dry	-3%	-3%	-4%	-9%	2%	2%	2%	2%	2%	3%	2%	2%
1956	Wet	3%	3%	4%	-37%	0%	0%	0%	0%	16%	16%	9%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	4%	33%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	-1%	-74%	0%	0%	0%	0%	0%	>1,000%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	33%	15%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-33%	12%	1%	1%
1966	Below Normal	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	17%	15%	14%	-9%	-2%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	1%	1%	0%	0%	0%	-6%	6%	19%	3%	5%	5%
1970	Wet	9%	10%	5%	-3%	-9%	0%	12%	-1%	26%	18%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	-1%	-1%	0%
1972	Below Normal	0%	0%	1%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	2%	0%	0%	0%	0%	20%	10%	0%	0%
1974	Wet	0%	0%	0%	0%	-10%	0%	-2%	0%	19%	20%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	-4%	-44%	0%	0%	-6%	1%	2%	18%	17%	21%	1%
1979	Below Normal	-1%	-2%	-9%	-14%	-15%	-6%	-4%	-4%	17%	16%	-4%	-4%
1980	Above Normal	-5%	-5%	-6%	-33%	0%	0%	-19%	-14%	-5%	-5%	-5%	-13%
1981	Dry	-17%	-17%	-33%	21%	64%	42%	9%	9%	>1,000%	-6%	-6%	-5%
1982	Wet	-5%	-5%	-4%	6%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	6%	6%	48%	-11%	12%	0%	12%	-8%	16%	0%	14%	3%
1984	Wet	3%	3%	0%	0%	-9%	0%	0%	0%	25%	19%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-40%	0%	15%	0%	0%	0%	0%	0%
1987	Dry	3%	-8%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	-1%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	2%
1990	Critical	2%	2%	2%	-2%	-1%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	6%	0%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%
1993	Above Normal	-27%	-30%	0%	-13%	0%	0%	0%	0%	31%	16%	-1%	-1%
1994	Critical	-1%	-1%	0%	1%	1%	0%	0%	0%	0%	-1%	-30%	-1%
1995	Wet	0%	-1%	-31%	0%	0%	0%	0%	0%	6%	0%	17%	8%
1996	Wet	20%	-100%	0%	0%	0%	0%	0%	0%	19%	22%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	-2%	1%	-1%	20%	21%	0%	0%
1999	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	21%	19%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	23%	8%	1%	0%
2001	Dry	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	2%	3%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	15%	-11%	-51%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		1%	-1%	-4%	0%	0%	1%	0%	0%	8%	5%	1%	-1%
Wet		1%	-4%	-4%	-1%	-1%	2%	1%	-1%	15%	9%	3%	0%
Above Normal		-1%	-5%	-9%	-5%	3%	0%	-2%	-1%	12%	7%	2%	-1%
Below Normal		2%	7%	-7%	0%	-2%	-2%	0%	0%	8%	4%	1%	0%
Dry		0%	-1%	-2%	2%	3%	1%	0%	0%	1%	0%	0%	-1%
Critical		1%	0%	0%	0%	1%	6%	-2%	1%	1%	1%	-1%	-4%

Percent Difference in Energy generated (GWh) at DCanyon: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	17%	21%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	32%	3%	0%	0%
1924	Critical	0%	0%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	18%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-28%	13%	0%	0%
1933	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	23%	14%	0%	-2%	-3%	1%	194%	0%
1935	Below Normal	-12%	0%	4%	0%	-1%	-1%	-3%	0%	0%	-1%	1%	1%
1936	Below Normal	-2%	-2%	-4%	-13%	-10%	0%	0%	0%	14%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	1%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	5%	5%	3%	16%	-2%	2%	2%	2%	-5%	1%	1%	0%
1939	Dry	5%	5%	3%	34%	1%	-12%	-17%	-16%	>1,000%	-6%	0%	-12%
1940	Above Normal	0%	59%	23%	0%	0%	0%	0%	0%	43%	10%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	17%	29%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	-1%	-1%	8%	8%	8%	8%
1944	Dry	1%	2%	0%	-9%	-8%	-3%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-4%	0%	0%	17%	17%	6%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	35%	1%	0%	0%
1947	Dry	-1%	-1%	-1%	-3%	-2%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-3%	-3%	-2%	0%	0%	0%	1%	1%	1%
1949	Dry	1%	1%	1%	0%	0%	0%	-1%	0%	0%	0%	-9%	0%
1950	Below Normal	0%	8%	424%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	23%	8%	0%	0%	0%	24%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	9%	0%	0%	-16%	-3%	-1%	-9%	-16%
1953	Wet	-16%	-16%	-16%	1%	8%	67%	4%	4%	>1,000%	-8%	-8%	-8%
1954	Above Normal	-5%	-5%	-2%	59%	34%	11%	-1%	0%	14%	7%	-2%	-2%
1955	Dry	-2%	-2%	-2%	1%	3%	3%	3%	3%	3%	3%	2%	3%
1956	Wet	3%	3%	3%	-3%	0%	0%	0%	0%	15%	15%	9%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-9%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	3%	>1,000%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	1%	140%	0%	0%	0%	0%	0%	>1,000%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	33%	16%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	129%	12%	-1%	-1%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	-5%	3%	13%	-8%	-3%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	6%	0%	0%	-10%	3%	4%	4%
1970	Wet	8%	8%	4%	3%	9%	0%	13%	-1%	25%	18%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	4%	1%	1%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	20%	10%	0%	0%
1974	Wet	0%	0%	0%	0%	4%	3%	0%	0%	19%	19%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-2%	0%
1977	Critical	0%	0%	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	12%	53%	0%	0%	-7%	-4%	0%	15%	9%	18%	2%
1979	Below Normal	-3%	-3%	-8%	-22%	-17%	-7%	-4%	-4%	16%	15%	-4%	-4%
1980	Above Normal	-4%	-4%	-4%	55%	-1%	0%	-18%	-15%	-6%	-6%	-6%	-14%
1981	Dry	-15%	19%	-19%	21%	68%	62%	10%	10%	>1,000%	-5%	-4%	-4%
1982	Wet	-2%	-2%	-1%	5%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	5%	5%	-8%	9%	11%	6%	0%	0%	-1%	0%	-4%	3%
1984	Wet	2%	3%	12%	0%	8%	0%	0%	0%	25%	19%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	3%	>1,000%	4%	11%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	-1%	-1%	-1%	0%	0%	0%	-11%	2%
1990	Critical	1%	1%	1%	-3%	-2%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	11%	1%	-7%	0%	0%	0%	0%	0%	>1,000%	21%	1%	1%
1994	Critical	1%	1%	1%	1%	1%	0%	0%	0%	13%	0%	0%	8%
1995	Wet	0%	-47%	46%	0%	0%	0%	0%	0%	6%	-19%	-3%	7%
1996	Wet	-52%	-97%	77%	0%	0%	0%	0%	0%	19%	21%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	1%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	1%	-1%	19%	18%	0%	0%
1999	Wet	0%	0%	5%	0%	0%	0%	0%	0%	21%	19%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	-1%	0%	23%	8%	0%	0%
2001	Dry	0%	0%	-1%	-4%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-11%	1%
2003	Above Normal	0%	0%	88%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		-1%	-1%	10%	2%	2%	2%	0%	0%	9%	4%	3%	0%
Wet		-2%	-5%	5%	1%	2%	3%	1%	0%	15%	9%	1%	0%
Above Normal		0%	5%	13%	12%	3%	0%	-2%	-1%	12%	7%	2%	-1%
Below Normal		-1%	0%	40%	-1%	-3%	-1%	-1%	0%	8%	4%	0%	0%
Dry		0%	2%	-1%	3%	3%	3%	0%	0%	2%	0%	-2%	-1%
Critical		0%	0%	0%	0%	1%	1%	0%	0%	1%	0%	16%	1%

Percent Difference in Energy generated (GWh) at Mojave Dam: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	16%	21%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	32%	3%	0%	0%
1924	Critical	0%	0%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	18%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	1%	2%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-28%	12%	0%	0%
1933	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	24%	18%	-2%	-2%	-3%	1%	185%	0%
1935	Below Normal	-12%	0%	4%	0%	-1%	-1%	-3%	0%	0%	-1%	1%	1%
1936	Below Normal	-2%	-2%	-4%	-13%	-9%	0%	0%	0%	14%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	1%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	5%	5%	3%	17%	-2%	2%	2%	2%	-5%	1%	1%	0%
1939	Dry	5%	5%	2%	34%	1%	-12%	-16%	-16%	>1,000%	-6%	23%	-12%
1940	Above Normal	0%	0%	22%	0%	1%	0%	0%	0%	42%	10%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	17%	28%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	8%	8%	8%	7%
1944	Dry	1%	0%	0%	-8%	-8%	-3%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-4%	0%	0%	17%	16%	6%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	34%	1%	0%	0%
1947	Dry	0%	-1%	-1%	-3%	-2%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-3%	-3%	-2%	0%	0%	0%	1%	1%	1%
1949	Dry	1%	1%	1%	0%	-1%	0%	-1%	0%	0%	0%	-9%	0%
1950	Below Normal	0%	9%	416%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	23%	8%	0%	0%	0%	24%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	9%	0%	0%	-15%	-3%	-1%	-9%	-15%
1953	Wet	-16%	-16%	-16%	1%	8%	67%	4%	4%	>1,000%	-8%	-8%	-8%
1954	Above Normal	-5%	-5%	-2%	58%	34%	11%	0%	0%	14%	7%	-2%	-2%
1955	Dry	-2%	-2%	-2%	1%	3%	3%	3%	3%	3%	3%	2%	3%
1956	Wet	3%	3%	2%	-3%	0%	0%	0%	0%	15%	15%	8%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-8%	0%	0%	0%
1958	Wet	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	3%	-	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%	1%	0%
1961	Dry	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	1%
1962	Below Normal	0%	1%	139%	0%	0%	0%	0%	0%	>1,000%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	33%	16%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	124%	12%	-1%	-1%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	-5%	3%	13%	-8%	-3%	1%	1%	0%	0%	0%	0%
1969	Wet	0%	1%	1%	0%	0%	6%	0%	0%	-10%	3%	4%	4%
1970	Wet	8%	8%	4%	3%	9%	0%	12%	-1%	25%	17%	-1%	-1%
1971	Wet	-1%	-1%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	4%	1%	1%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	20%	9%	0%	0%
1974	Wet	0%	0%	0%	0%	4%	3%	0%	0%	19%	19%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-2%	0%
1977	Critical	0%	0%	-6%	0%	0%	0%	0%	0%	0%	0%	0%	6%
1978	Above Normal	0%	13%	52%	0%	0%	-7%	-4%	0%	15%	9%	18%	2%
1979	Below Normal	-3%	-3%	-8%	-22%	-17%	-7%	-4%	-4%	16%	15%	-4%	-4%
1980	Above Normal	-4%	-4%	-5%	50%	1%	0%	-18%	-15%	-6%	-6%	-6%	-13%
1981	Dry	-15%	19%	-19%	21%	68%	61%	10%	10%	>1,000%	-5%	-4%	-4%
1982	Wet	-2%	-2%	-1%	5%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	5%	5%	-8%	9%	11%	6%	3%	0%	-4%	0%	-4%	3%
1984	Wet	2%	3%	12%	0%	8%	0%	0%	0%	25%	19%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	3%	-	4%	11%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	2%	1%	2%	0%	-1%	-1%	0%	0%	0%	0%	-11%	2%
1990	Critical	1%	1%	1%	-3%	-2%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	10%	1%	-7%	0%	0%	0%	0%	0%	>1,000%	21%	1%	1%
1994	Critical	1%	1%	1%	2%	1%	0%	0%	0%	12%	0%	23%	7%
1995	Wet	0%	0%	45%	0%	0%	0%	0%	0%	6%	-18%	-2%	7%
1996	Wet	-52%	-100%	76%	0%	0%	0%	0%	0%	19%	21%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	1%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	1%	-1%	19%	18%	0%	0%
1999	Wet	0%	0%	5%	0%	0%	0%	0%	0%	21%	18%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	-1%	0%	23%	8%	0%	0%
2001	Dry	0%	0%	-1%	-4%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-11%	1%
2003	Above Normal	0%	0%	87%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		-1%	-1%	10%	2%	2%	2%	0%	0%	9%	4%	3%	0%
Wet		-2%	-4%	5%	1%	2%	3%	1%	0%	15%	8%	1%	0%
Above Normal		0%	0%	12%	11%	4%	0%	-2%	-1%	12%	7%	2%	-1%
Below Normal		-1%	0%	39%	-1%	-3%	-1%	0%	0%	8%	4%	0%	0%
Dry		0%	1%	-1%	3%	3%	3%	0%	0%	2%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	1%	0%	0%	1%	0%	17%	1%

Percent Difference in Energy generated (GWh) at Oroville Dam: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	1%	0%	-9%	1%	1%	1%	1%
1935	Below Normal	2%	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	-5%	1%	1%	1%	31%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1938	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	0%	-1%	11%	-1%	-1%	0%	0%	-15%
1940	Above Normal	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	-2%	0%	-1%	4%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	-3%	3%	0%	0%	0%
1947	Dry	-3%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1948	Below Normal	-6%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	-1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	10%	0%	0%	-5%	0%	0%	0%	0%	0%	0%
1955	Dry	-2%	0%	0%	0%	0%	0%	0%	0%	0%	1%	10%	0%
1956	Wet	-14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	2%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	2%	-7%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1970	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	2%	0%
1971	Wet	0%	-1%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Normal	0%	0%	-26%	2%	1%	1%	1%	1%	1%	1%	2%	0%
1980	Above Normal	-5%	2%	2%	37%	0%	0%	0%	0%	0%	-1%	-12%	0%
1981	Dry	0%	0%	0%	1%	1%	37%	1%	1%	0%	4%	1%	0%
1982	Wet	6%	1%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	0%
1990	Critical	1%	0%	1%	1%	0%	0%	0%	0%	0%	8%	0%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	-8%	12%	0%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	-3%	1%	0%	0%	0%
1998	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	-1%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-1%	1%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal		0%	0%	1%	3%	0%	0%	0%	0%	0%	0%	0%	-1%
Below Normal		-1%	0%	-2%	0%	2%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	-1%	-1%	1%	1%	0%

Difference in Energy generated (GWh) at SWP San Luis: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	(0.02)	0.00	(0.04)	(0.07)	0.00	0.00	0.00	0.00	(0.01)
1923	Below Normal	0.00	0.00	0.00	0.69	0.11	(0.40)	(0.17)	(0.29)	(0.27)	0.00	0.00	0.00	(0.03)
1924	Critical	0.00	0.00	0.00	0.00	0.00	(0.02)	0.02	0.16	0.05	0.00	0.03	0.05	0.02
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.10	0.00	0.00	0.00	0.02
1926	Dry	0.00	0.00	0.00	0.00	0.00	(0.02)	(0.04)	(0.04)	(0.08)	0.00	(0.13)	0.00	(0.03)
1927	Wet	(0.01)	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
1928	Above Normal	0.01	0.01	0.00	0.00	(0.03)	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00
1929	Critical	0.01	0.00	0.00	0.00	0.00	0.00	0.00	(0.02)	(0.02)	(0.01)	(0.01)	0.00	0.00
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.08	(0.01)	0.01	0.01
1932	Dry	0.01	0.00	0.00	0.00	0.00	0.00	(0.03)	(0.06)	(0.08)	(0.02)	0.00	(0.01)	(0.02)
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.04	0.03	0.02
1934	Critical	0.02	0.00	0.00	0.00	0.00	0.00	(1.38)	10.44	4.81	6.50	10.58	0.00	2.58
1935	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	(2.31)	(1.59)	(0.51)	0.00	0.00	0.00	(0.37)
1936	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	0.00	0.00	0.00	0.00
1937	Below Normal	0.00	0.02	0.00	0.00	0.00	0.00	4.62	1.14	(1.47)	(0.24)	(0.12)	(2.54)	0.12
1938	Wet	(0.10)	0.00	0.00	0.00	0.00	0.00	8.68	61.02	(2.08)	(0.85)	(1.18)	0.00	5.46
1939	Dry	(5.24)	(4.37)	0.00	0.00	0.00	(6.31)	(20.18)	(6.97)	(24.37)	0.00	0.20	0.00	(5.60)
1940	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.34	0.87	0.38	0.00	0.00	0.00	0.13
1941	Wet	0.00	0.14	0.00	0.00	0.00	0.00	(0.40)	(1.10)	(1.48)	0.00	0.00	0.00	(0.24)
1942	Wet	(0.55)	(0.33)	0.00	0.00	0.00	0.00	(0.12)	(0.21)	(0.04)	0.00	0.00	0.00	(0.10)
1943	Wet	0.00	(0.02)	0.00	0.00	0.00	0.00	(1.04)	(1.62)	1.67	(1.86)	0.00	0.00	(0.24)
1944	Dry	(1.07)	(1.50)	0.00	0.00	0.00	0.00	0.02	0.05	1.16	0.00	0.00	(0.06)	(0.12)
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	(0.12)	(0.20)	(0.37)	0.00	0.00	0.00	(0.06)
1946	Below Normal	0.00	0.00	0.00	0.00	(0.06)	1.93	(0.64)	(0.45)	(1.55)	0.00	0.00	0.00	(0.06)
1947	Dry	0.00	0.00	0.00	0.00	0.00	(1.58)	0.11	0.36	0.35	0.00	0.38	0.00	(0.03)
1948	Below Normal	0.00	0.00	4.27	0.00	(0.72)	0.00	0.02	0.19	0.00	0.00	0.00	0.00	0.31
1949	Dry	0.00	0.00	0.00	0.00	0.00	0.00	(0.39)	(0.26)	(0.03)	0.00	(0.09)	0.00	(0.06)
1950	Below Normal	(0.01)	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.00	0.00	0.00	0.00	0.00
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.04	0.02	0.00	0.00	0.00	0.01
1952	Wet	0.03	0.00	0.00	0.00	(0.09)	0.00	(0.16)	(13.27)	(7.59)	(5.76)	0.00	0.00	(2.24)
1953	Wet	(8.62)	(8.43)	0.00	10.52	7.57	1.61	4.16	8.52	18.84	0.00	0.00	0.00	2.85
1954	Above Normal	(0.47)	0.64	0.00	0.00	7.92	0.00	0.43	1.52	2.54	0.20	0.00	0.00	1.07
1955	Dry	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.50	1.59	0.00	0.76	(1.79)	0.27
1956	Wet	3.39	0.00	0.00	0.00	0.00	0.00	0.21	0.14	0.10	0.00	0.00	0.00	0.32
1957	Above Normal	0.09	0.00	0.00	0.00	(0.04)	0.00	(0.07)	(0.15)	(0.38)	0.00	0.00	0.00	(0.05)
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.44	(2.69)	(2.97)	1.55	(0.95)	0.00	(0.39)
1959	Below Normal	(1.63)	(1.82)	0.00	0.00	0.00	0.00	0.26	0.21	0.06	0.00	0.00	0.00	(0.24)
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	(0.08)	(0.12)	(0.08)	0.00	0.00	0.00	(0.02)
1961	Dry	(0.01)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	(0.05)	0.00	0.00
1962	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	(0.01)	0.00	0.00	0.00	0.00
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	(0.05)	(0.11)	(0.21)	0.00	0.00	0.00	(0.03)
1964	Dry	0.00	0.00	0.00	0.00	0.01	0.05	0.02	0.04	0.09	0.00	0.02	0.00	0.02
1965	Wet	0.05	0.00	0.00	0.00	(0.01)	0.00	(0.57)	(1.34)	(0.44)	0.00	0.00	0.00	(0.19)
1966	Below Normal	0.05	0.00	0.00	0.00	(0.03)	0.00	(0.01)	(0.02)	(0.01)	0.00	0.00	0.00	0.00
1967	Wet	0.00	0.00	0.00	0.00	0.01	0.00	0.75	(0.43)	0.88	(1.16)	(0.62)	0.00	(0.05)
1968	Below Normal	0.69	(6.76)	0.00	0.00	(1.80)	0.00	0.19	0.20	0.21	0.00	0.00	0.00	(0.61)
1969	Wet	0.00	0.00	0.00	0.00	0.00	0.00	34.40	0.00	(3.92)	(1.90)	(6.69)	0.00	1.82
1970	Wet	2.93	0.53	0.00	0.00	0.00	0.00	4.78	(0.92)	(1.08)	0.00	0.00	0.00	0.52
1971	Wet	(0.87)	0.00	0.00	0.05	0.11	0.00	0.27	0.28	0.02	0.00	0.00	0.00	(0.01)
1972	Below Normal	0.00	0.35	0.00	0.00	0.20	0.19	0.12	0.11	0.06	0.00	0.00	0.00	0.09
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.37)	0.00	0.00	0.00	(0.03)
1974	Wet	0.00	0.00	0.00	0.00	(0.12)	(0.07)	(0.96)	(1.05)	(1.15)	0.00	0.00	0.00	(0.28)
1975	Wet	0.00	0.06	0.00	0.00	0.00	0.00	0.05	0.20	0.02	0.00	0.00	0.00	0.03
1976	Critical	0.00	(0.02)	0.00	0.00	0.00	0.00	0.11	0.14	0.18	0.00	(0.01)	0.00	0.03
1977	Critical	0.12	0.02	(0.36)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.02)
1978	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	(0.84)	0.30	0.76	0.00	0.00	0.00	0.02
1979	Below Normal	(0.92)	0.52	0.00	0.00	0.00	0.00	(4.06)	(4.53)	(3.66)	0.00	0.00	0.00	(1.05)
1980	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	(15.97)	(12.90)	(11.31)	(3.46)	(5.11)	0.00	(4.06)
1981	Dry	(6.69)	(1.70)	0.00	0.00	2.69	7.83	7.00	12.30	26.64	0.00	(0.24)	0.00	3.99
1982	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.81	(1.04)	(0.54)	(0.57)	0.00	0.22
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(5.42)	0.00	(0.45)
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	4.55	(0.21)	(0.66)	(0.10)	(0.52)	0.00	0.26
1987	Dry	(0.26)	(3.55)	0.00	0.00	0.00	0.00	(0.18)	(0.04)	(0.70)	(0.22)	(0.16)	0.00	(0.43)
1988	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.22	0.30	0.00	0.18	0.14	0.07
1989	Dry	0.05	0.00	0.00	0.00	0.00	0.00	(0.38)	(0.25)	0.00	0.00	(0.44)	0.00	(0.09)
1990	Critical	0.00	0.16	0.00	0.00	0.00	(0.03)	0.05	5.16	(0.01)	0.00	(1.18)	(0.09)	0.34
1991	Critical	(0.11)	0.00	0.00	0.00	0.00	0.00	(0.07)	(0.07)	0.01	0.00	(0.20)	(0.10)	(0.04)
1992	Critical	0.00	(0.02)	0.00	0.00	0.00	0.00	(0.39)	(0.48)	4.73	(4.51)	(0.27)	0.00	(0.08)
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.02)	0.25	0.00	0.00	0.00	0.02
1994	Critical	0.00	0.08	0.00	0.00	0.00	0.00	0.03	0.12	0.57	0.00	0.00	0.00	0.07
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.48	35.64	(0.59)	(3.66)	0.00	0.00	2.66
1996	Wet	(17.60)	(20.06)	0.00	0.00	0.00	0.00	(1.20)	(2.16)	(0.81)	0.00	0.00	0.00	(3.49)
1997	Wet	(0.06)	0.07	0.00	0.00	0.00	0.00	(0.01)	(0.01)	0.43	(0.34)	0.00	0.00	0.01
1998	Wet	(0.01)	(0.04)	0.00	0.00	0.00	0.00	1.66	(0.45)	0.00	0.00	0.00	0.00	0.10
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	0.07	0.00	0.00	0.00	0.02
2000	Above Normal	0.00	(0.01)	0.00	0.00	0.00	0.00	(0.44)	(0.36)	(0.25)	0.00	0.00	0.00	(0.09)
2001	Dry	(0.13)	(0.29)	0.00	0.00	0.00	0.00	0.02	0.00	(0.04)	(0.74)	0.07	0.00	(0.09)
2002	Dry	0.02	0.00	0.00	0.00	0.00	0.00	(0.12)	(0.14)	(0.11)	0.00	(0.09)	0.00	(0.04)
2003	Above Normal	0.47	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.03)	0.00	0.00	0.00	0.00	0.04
Average		(0.44)	(0.56)	0.05	0.14	0.19	0.04	0.28	1.11	(0.03)	(0.21)	(0.14)	(0.05)	0.03
Wet		(0.82)	(1.08)	0.00	0.41	0.29	0.06	2.15	3.27	(0.08)	(0.56)	(0.61)	0.00	0.25
Above Normal		0.01	0.05	0.00	0.00	0.65	0.00	(1.38)	(0.90)	(0.70)	(0.27)	(0.43)	0.00	(0.25)
Below Normal		(0.13)	(0.55)	0.31	0.05	(0.16)	0.12	(0.15)	(0.37)	(0.54)	(0.02)	(0.01)	(0.18)	(0.14)
Dry		(0.74)	(0.63)	0.00	0.00	0.15	(0.00)	(0.72)	0.36	0.25	(0.05)	0.01	(0.10)	(0.12)
Critical		0.01	0.02	(0.03)	0.00	0.00	(0.00)	(0.14)	1.31	0.89	0.19	0.76	0.00	0.25

Percent Difference in Energy generated (GWh) at SWP San Luis: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	21%	8%	-4%	-1%	-1%	-1%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	2%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1932	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	0%	-4%	30%	9%	16%	41%	0%
1935	Below Normal	0%	0%	0%	0%	0%	0%	-4%	-3%	-1%	0%	0%	0%
1936	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	7%	1%	-5%	-6%	-9%	-13%
1938	Wet	-2%	0%	0%	0%	0%	0%	18%	>1,000%	-17%	-7%	-15%	0%
1939	Dry	-26%	-9%	0%	0%	0%	-61%	-59%	-20%	-79%	0%	-	0%
1940	Above Normal	0%	0%	0%	0%	0%	0%	1%	2%	2%	0%	0%	0%
1941	Wet	0%	2%	0%	0%	0%	0%	-1%	-2%	-7%	0%	0%	0%
1942	Wet	-4%	-1%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	-2%	-2%	5%	-78%	0%	0%
1944	Dry	-13%	-37%	0%	0%	0%	0%	0%	0%	5%	0%	0%	-2%
1945	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	15%	-1%	-1%	-4%	0%	0%	0%
1947	Dry	0%	0%	0%	0%	0%	-20%	0%	1%	1%	0%	2%	0%
1948	Below Normal	0%	0%	50%	0%	-7%	0%	0%	1%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	-2%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	3%	0%	0%	0%	-1%	0%	0%	-24%	-62%	-100%	0%	0%
1953	Wet	-56%	-22%	0%	115%	-	-	18%	34%	135%	0%	0%	0%
1954	Above Normal	-12%	3%	0%	0%	-	0%	1%	4%	10%	-	0%	0%
1955	Dry	0%	0%	0%	0%	0%	0%	4%	3%	3%	0%	5%	-55%
1956	Wet	107%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	1%	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	1%	-4%	-11%	23%	-18%	0%
1959	Below Normal	-22%	-12%	0%	0%	0%	0%	1%	1%	2%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	3%	0%	0%	0%	-6%	0%	-2%	-3%	-3%	0%	0%	0%
1966	Below Normal	1%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	1%	-1%	11%	-15%	-11%	0%
1968	Below Normal	9%	-18%	0%	0%	-100%	0%	1%	1%	3%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	-	0%	-100%	-100%	-51%	0%
1970	Wet	48%	1%	0%	0%	0%	0%	9%	-1%	-3%	0%	0%	0%
1971	Wet	-41%	0%	0%	1%	1%	0%	1%	1%	0%	0%	0%	0%
1972	Below Normal	0%	2%	0%	0%	1%	1%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	-1%	-4%	-1%	-2%	-5%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	2%	0%	-6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	0%	0%	0%	0%	0%	-4%	1%	9%	0%	0%	0%
1979	Below Normal	-70%	5%	0%	0%	0%	0%	-7%	-8%	-10%	0%	0%	0%
1980	Above Normal	0%	0%	0%	0%	0%	0%	-26%	-16%	-28%	-100%	-100%	0%
1981	Dry	-77%	-6%	0%	0%	-	-	34%	53%	302%	0%	-28%	0%
1982	Wet	0%	0%	0%	0%	0%	0%	0%	7%	-2%	-6%	-12%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-51%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	7%	0%	-1%	-1%	-6%	0%
1987	Dry	-2%	-22%	0%	0%	0%	0%	-1%	-2%	-8%	-1%	-1%	0%
1988	Critical	1%	0%	0%	0%	0%	0%	0%	3%	2%	0%	1%	13%
1989	Dry	2%	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	-5%	0%
1990	Critical	0%	3%	0%	0%	0%	-1%	0%	50%	0%	0%	-7%	-43%
1991	Critical	-3%	0%	0%	0%	0%	0%	-3%	-1%	2%	0%	-1%	-2%
1992	Critical	0%	-1%	0%	0%	0%	0%	-3%	-4%	57%	-23%	-2%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	63%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	1%	-	-4%	-94%	0%	0%
1996	Wet	-63%	-100%	0%	0%	0%	0%	-3%	-5%	-4%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	-10%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	4%	-1%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%
2001	Dry	-3%	-1%	0%	0%	0%	0%	0%	0%	0%	-23%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
2003	Above Normal	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		-3%	-3%	1%	2%	-1%	-1%	0%	1%	3%	-6%	-3%	-1%
Wet		0%	-5%	0%	4%	0%	0%	2%	0%	-3%	-15%	-6%	0%
Above Normal		0%	0%	0%	0%	0%	0%	-2%	-1%	4%	-8%	-8%	0%
Below Normal		-6%	-2%	4%	2%	-7%	1%	0%	-1%	-1%	0%	-1%	-1%
Dry		-7%	-4%	0%	0%	0%	-4%	-1%	2%	12%	-1%	-2%	-3%
Critical		0%	0%	0%	0%	0%	0%	-1%	7%	6%	0%	3%	-3%

Energy generated (GWh) at Syst. Tot.: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	476.99	374.89	330.14	107.98	271.41	390.81	365.76	941.25	551.88	629.84	484.06	579.07	5,504.08
1923	Below Normal	323.93	253.13	292.86	301.95	367.86	279.89	291.15	363.03	354.41	622.60	549.73	357.41	4,357.95
1924	Critical	225.87	194.37	168.06	105.41	108.11	163.19	234.79	263.94	288.89	370.03	206.28	146.07	2,475.01
1925	Dry	65.68	56.30	49.77	51.75	55.09	145.27	273.71	376.52	464.39	628.60	467.04	423.43	3,057.55
1926	Dry	238.93	193.05	169.52	50.25	61.00	157.31	195.07	415.89	478.72	596.90	421.06	292.30	3,270.00
1927	Wet	172.97	168.68	224.24	51.54	205.90	512.55	513.08	525.39	411.61	693.20	601.74	618.49	4,699.39
1928	Above Normal	330.75	267.23	267.30	182.35	307.89	425.77	391.51	439.38	552.95	715.64	600.86	538.68	5,020.31
1929	Critical	341.81	272.06	251.26	183.22	182.80	131.64	213.58	294.86	295.74	254.49	210.43	49.36	2,681.25
1930	Dry	90.27	97.29	195.13	47.21	157.57	84.35	237.97	306.80	463.49	584.13	408.39	334.69	3,007.29
1931	Critical	142.98	101.92	80.18	48.43	60.57	93.26	297.60	287.13	313.44	334.30	250.43	163.97	2,174.21
1932	Dry	84.13	63.79	159.64	45.92	87.18	257.11	254.42	295.52	392.84	436.39	412.55	233.74	2,723.23
1933	Critical	192.00	163.34	104.47	48.63	234.78	220.10	232.01	335.77	376.29	383.09	272.78	209.34	2,772.60
1934	Critical	132.18	104.54	133.34	63.01	134.14	98.35	289.45	338.61	365.21	302.32	198.16	50.38	2,209.69
1935	Below Normal	188.55	137.40	105.50	63.42	71.69	110.80	337.51	422.85	464.83	678.55	598.00	448.44	3,627.54
1936	Below Normal	312.01	265.22	238.14	148.26	176.84	516.55	354.19	438.64	425.51	669.31	598.30	445.76	4,588.73
1937	Below Normal	375.19	298.08	380.89	191.97	314.42	330.59	408.63	490.02	669.51	669.39	600.88	374.71	5,104.28
1938	Wet	337.52	308.25	294.56	214.78	527.16	966.65	885.08	991.63	733.36	578.77	568.93	716.12	7,122.81
1939	Dry	442.84	394.67	434.04	231.29	245.38	225.74	428.88	450.52	267.44	673.13	337.65	368.20	4,499.78
1940	Above Normal	95.13	76.00	270.81	72.92	67.55	768.98	428.38	382.94	407.90	731.15	645.67	568.39	4,515.82
1941	Wet	308.05	256.38	178.81	134.20	702.83	669.77	462.56	718.10	483.49	651.47	432.90	667.85	5,666.41
1942	Wet	379.18	322.40	417.02	799.30	856.28	375.08	645.17	539.16	553.83	560.72	643.04	626.05	6,537.23
1943	Wet	322.44	251.84	182.30	762.42	495.16	856.56	519.68	456.03	463.53	749.20	640.22	665.92	6,365.30
1944	Dry	398.85	96.07	477.59	174.41	164.41	162.45	285.42	321.15	429.87	558.03	377.96	224.43	3,670.64
1945	Below Normal	151.05	133.33	125.67	87.78	95.30	362.98	361.18	412.00	419.79	651.89	564.15	428.92	3,794.04
1946	Below Normal	311.12	241.99	242.50	303.39	331.94	370.25	343.73	388.25	434.27	660.66	569.84	398.00	4,595.94
1947	Dry	294.81	204.62	195.11	172.47	180.68	181.36	402.08	481.21	473.21	649.80	484.81	448.71	4,168.87
1948	Below Normal	267.11	245.84	250.13	182.69	168.96	109.71	175.91	202.80	140.49	716.70	632.41	381.14	3,473.89
1949	Dry	270.63	228.13	183.82	93.52	96.89	135.36	370.04	405.01	510.13	647.34	341.71	461.76	3,744.34
1950	Below Normal	244.41	125.77	163.30	71.49	56.53	90.58	304.34	351.18	141.79	708.29	621.42	420.51	3,299.61
1951	Above Normal	253.24	221.88	569.63	728.77	647.00	488.98	344.33	419.00	474.73	699.34	589.91	532.43	5,969.24
1952	Wet	322.88	254.71	224.57	301.30	637.76	580.31	948.19	1,023.95	725.10	464.20	395.31	689.47	6,567.75
1953	Wet	437.68	363.69	415.25	272.62	371.21	399.94	418.23	431.22	401.25	719.34	541.02	613.78	5,941.23
1954	Above Normal	317.41	250.48	210.44	137.00	179.83	415.07	493.86	378.56	518.80	711.07	606.87	546.95	4,766.34
1955	Dry	285.81	205.20	164.43	83.99	101.97	156.38	319.14	357.68	413.09	575.77	423.08	261.13	3,347.67
1956	Wet	201.78	179.08	169.58	836.26	680.58	562.96	471.67	825.31	525.68	645.96	492.85	655.11	6,246.82
1957	Above Normal	375.49	326.17	446.22	223.34	296.14	304.91	334.30	372.95	315.18	739.32	623.81	543.18	4,901.01
1958	Wet	240.49	248.06	180.94	79.31	802.45	689.51	670.96	877.85	671.30	568.21	454.51	710.01	6,193.60
1959	Below Normal	453.11	199.06	532.21	180.91	365.58	210.92	337.85	349.97	261.42	698.01	581.70	399.00	4,569.74
1960	Dry	250.91	214.46	147.90	57.76	59.86	106.03	402.01	405.61	450.37	675.87	486.54	496.52	3,753.84
1961	Dry	258.88	241.48	207.82	78.97	84.08	97.09	301.07	352.52	411.71	581.13	338.90	158.18	3,112.83
1962	Below Normal	42.27	203.51	242.06	49.79	49.98	122.15	301.64	449.11	205.75	701.41	598.83	463.76	3,430.26
1963	Wet	223.52	208.61	166.75	194.50	743.10	516.57	747.94	451.56	433.34	694.57	560.73	575.38	5,516.57
1964	Dry	282.64	203.13	189.02	169.66	342.85	280.60	383.41	374.16	400.47	601.83	414.63	427.37	4,069.77
1965	Wet	235.46	213.51	254.48	837.76	415.20	442.95	583.89	475.20	316.97	687.36	482.41	623.18	5,568.37
1966	Below Normal	347.18	246.68	203.72	275.25	295.35	254.30	322.38	356.81	466.43	668.35	564.09	444.19	4,444.73
1967	Wet	251.75	186.71	162.16	105.53	306.30	725.17	451.00	829.35	719.58	462.46	444.42	736.65	5,381.08
1968	Below Normal	451.89	380.50	405.13	203.26	593.93	394.18	332.57	357.90	261.03	719.45	577.06	466.98	5,143.88
1969	Wet	232.99	205.66	168.05	524.25	698.65	559.27	615.31	896.85	518.90	529.79	478.10	717.02	6,144.84
1970	Wet	422.37	388.76	587.59	918.10	622.20	463.41	384.13	400.84	430.21	665.65	555.37	516.12	6,354.75
1971	Wet	318.87	252.94	237.76	326.20	339.05	438.24	441.36	658.62	534.60	677.10	550.28	604.14	5,579.16
1972	Below Normal	312.63	241.27	170.11	143.64	281.04	263.21	339.39	368.69	446.75	655.91	557.41	430.56	4,210.61
1973	Above Normal	212.28	194.64	164.51	96.45	500.46	469.95	344.10	484.52	509.22	655.81	493.63	499.59	4,625.16
1974	Wet	304.70	239.40	445.83	914.20	471.43	975.25	730.40	623.44	517.10	613.31	340.97	637.25	6,813.28
1975	Wet	353.83	298.03	251.60	273.66	384.55	766.02	357.82	701.24	574.40	648.25	371.86	632.67	5,613.93
1976	Critical	254.03	300.45	366.26	192.53	203.45	196.45	350.16	393.19	362.62	593.06	347.38	451.61	4,011.19
1977	Critical	276.04	215.18	148.62	59.39	61.15	80.42	149.44	65.78	111.43	47.78	45.88	42.95	1,304.06
1978	Above Normal	31.43	102.97	178.65	62.51	78.81	416.09	466.89	379.75	394.04	637.67	554.29	521.06	3,824.16
1979	Below Normal	356.91	272.35	372.62	160.05	156.82	297.65	369.04	420.31	551.56	649.93	530.89	417.51	4,555.64
1980	Above Normal	305.46	245.31	242.45	387.90	894.11	512.04	428.13	495.14	452.31	611.17	483.72	613.31	5,671.05
1981	Dry	443.89	330.95	381.73	191.19	183.72	178.79	288.80	354.30	280.38	678.40	516.23	406.32	4,234.70
1982	Wet	225.06	203.12	712.01	450.78	803.14	753.81	945.19	785.03	574.60	551.12	438.77	521.53	6,962.16
1983	Wet	376.35	578.48	671.75	744.93	863.00	972.21	622.58	846.44	836.31	499.72	428.90	517.56	7,958.23
1984	Wet	494.98	811.34	970.53	464.63	589.22	666.12	333.77	408.08	526.12	693.10	491.80	529.46	6,979.15
1985	Dry	321.24	225.23	273.36	254.79	249.25	271.87	353.76	470.44	472.36	617.88	413.80	390.36	4,314.34
1986	Wet	306.27	208.59	228.52	180.54	741.12	966.06	424.37	511.47	493.86	738.42	619.02	665.80	6,084.04
1987	Dry	435.38	177.26	483.00	159.66	147.71	120.11	192.68	257.79	296.17	223.72	179.99	147.60	2,821.07
1988	Critical	80.03	58.89	72.12	41.73	90.48	95.31	138.52	180.05	236.57	319.79	159.17	126.27	1,598.93
1989	Dry	65.55	62.81	40.83	32.48	72.63	82.69	361.09	482.11	518.18	633.95	472.60	400.53	3,225.45
1990	Critical	287.20	273.95	326.56	113.33	111.72	101.62	236.31	204.65	259.47	455.37	187.02	163.59	2,720.79
1991	Critical	90.55	55.67	64.96	38.84	57.16	78.03	128.08	158.44	236.42	365.30	152.81	136.12	1,562.38
1992	Critical	62.06	51.20	54.62	38.82	44.12	64.87	173.29	258.67	308.51	247.67	196.54	186.58	1,686.95
1993	Above Normal	57.39	43.51	65.30	61.93	211.14	525.49	415.37	633.97	331.17	713.17	621.44	586.24	4,266.12
1994	Critical	339.30	278.44	226.80	121.16	125.52	154.11	341.20	357.84	310.22	589.04	205.14	238.13	3,286.90
1995	Wet	65.89	177.59	299.80	58.16	398.05	806.15	858.85	967.60	797.15	472.69	443.69	508.87	5,854.49

Energy generated (GWh) at Syst. Tot.: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	476.99	374.89	330.14	107.98	271.40	390.81	365.71	941.17	583.10	670.42	499.74	579.08	5,591.43
1923	Below Normal	323.92	253.12	292.84	302.63	368.13	277.96	290.96	362.86	410.92	628.46	549.94	357.09	4,418.83
1924	Critical	225.83	194.31	167.78	104.73	107.53	163.00	234.86	263.92	289.11	370.42	206.13	146.16	2,473.78
1925	Dry	65.71	56.32	49.78	51.76	55.07	144.45	273.87	376.71	464.54	628.79	467.33	423.66	3,057.99
1926	Dry	239.15	193.17	169.60	50.31	60.95	156.57	194.88	415.73	478.68	596.75	421.12	291.60	3,268.51
1927	Wet	172.86	168.59	224.17	51.54	205.82	512.55	513.09	525.40	448.15	717.51	601.76	618.49	4,759.93
1928	Above Normal	330.76	267.24	267.31	182.34	307.74	425.73	391.52	439.38	552.96	715.65	600.88	538.69	5,020.20
1929	Critical	341.80	272.09	251.27	183.19	182.82	131.62	213.55	294.83	295.69	254.44	210.40	47.00	2,678.70
1930	Dry	90.88	97.83	195.80	47.21	157.57	84.34	237.97	306.80	463.53	584.12	408.38	334.68	3,009.11
1931	Critical	142.97	101.90	80.16	48.43	60.56	93.28	297.56	287.08	313.43	334.09	250.44	163.94	2,173.84
1932	Dry	84.11	63.77	159.63	45.89	87.18	261.08	254.38	295.46	437.66	455.54	412.62	233.70	2,791.02
1933	Critical	192.06	163.36	104.45	48.62	231.44	220.09	232.01	335.76	376.35	382.86	272.82	209.37	2,769.19
1934	Critical	132.20	104.54	133.35	63.01	140.10	129.70	272.42	341.59	374.50	317.28	272.70	50.82	2,332.21
1935	Below Normal	185.31	148.98	116.78	63.61	71.65	110.16	332.65	422.10	465.76	681.85	602.03	450.13	3,651.01
1936	Below Normal	303.69	262.54	231.02	137.75	186.01	516.78	354.16	438.61	457.42	698.17	598.30	445.73	4,630.18
1937	Below Normal	375.17	298.09	381.00	191.96	314.01	330.57	413.25	491.15	677.04	674.84	605.27	376.56	5,128.91
1938	Wet	348.23	321.44	301.68	243.43	524.94	968.90	901.52	1,058.87	731.73	582.08	571.24	719.34	7,273.40
1939	Dry	450.21	403.48	440.53	282.32	238.11	196.68	401.87	406.06	269.14	644.58	347.34	310.60	4,390.92
1940	Above Normal	103.68	73.64	288.98	72.93	67.67	769.05	428.76	383.86	453.57	749.59	645.93	568.54	4,606.20
1941	Wet	308.22	256.55	178.85	134.10	702.33	669.00	461.48	716.27	511.74	682.82	452.86	667.10	5,741.32
1942	Wet	377.89	321.33	416.15	799.25	856.29	373.96	645.03	538.99	585.50	611.81	468.78	626.07	6,621.05
1943	Wet	322.40	251.77	182.17	761.86	493.22	854.76	517.46	453.17	485.06	773.70	659.10	683.70	6,438.37
1944	Dry	399.04	94.23	477.24	166.32	157.21	160.03	285.23	321.01	426.58	557.52	377.33	226.79	3,648.53
1945	Below Normal	150.95	133.24	125.56	87.74	95.25	340.24	361.30	412.06	454.96	688.28	577.77	428.95	3,856.30
1946	Below Normal	311.48	242.24	242.76	303.30	331.86	371.60	342.34	383.56	500.58	661.89	572.01	398.04	4,661.66
1947	Dry	290.54	203.71	193.01	168.83	181.65	175.58	402.75	482.19	474.12	650.20	484.63	449.70	4,156.91
1948	Below Normal	264.97	246.44	255.03	180.44	165.98	108.62	175.97	199.84	140.46	717.55	633.18	381.82	3,470.30
1949	Dry	271.57	228.76	184.25	93.36	96.75	135.18	369.12	404.72	510.14	647.55	339.73	461.74	3,742.87
1950	Below Normal	244.69	126.46	147.81	71.49	56.53	90.58	304.35	351.22	141.79	708.30	621.43	420.51	3,285.16
1951	Above Normal	253.24	221.88	569.59	721.87	644.39	488.96	344.59	419.22	522.33	713.53	590.10	533.82	6,023.52
1952	Wet	323.02	254.84	224.71	301.29	633.48	580.32	947.02	972.18	710.03	457.42	373.02	651.12	6,428.45
1953	Wet	390.49	318.09	380.48	939.77	317.38	490.62	428.33	445.13	542.15	698.24	521.41	597.10	6,069.19
1954	Above Normal	306.67	241.90	217.42	147.35	233.60	410.81	493.35	379.78	534.41	716.54	601.49	542.01	4,825.33
1955	Dry	279.45	201.43	161.41	82.63	103.37	158.77	324.32	363.93	419.51	581.06	430.42	272.01	3,378.31
1956	Wet	201.33	182.78	172.51	802.99	680.88	563.01	472.58	826.07	559.19	680.41	511.99	655.71	6,309.45
1957	Above Normal	376.17	326.78	446.86	223.50	296.06	301.82	334.20	372.70	311.79	739.52	624.43	543.73	4,897.56
1958	Wet	240.95	248.56	181.27	79.28	802.32	689.38	671.28	875.05	668.43	570.97	453.71	709.44	6,190.64
1959	Below Normal	460.01	263.00	533.72	190.67	364.41	210.97	338.12	350.18	261.57	698.08	581.74	402.19	4,654.66
1960	Dry	250.83	214.72	147.84	57.72	59.83	105.74	401.95	405.45	450.36	675.51	487.26	492.27	3,749.48
1961	Dry	259.66	241.29	207.70	79.04	84.15	97.13	301.10	352.52	411.73	580.75	338.97	158.25	3,112.29
1962	Below Normal	42.28	203.16	223.53	49.63	49.98	122.18	301.65	449.13	269.85	701.43	598.84	463.78	3,475.44
1963	Wet	223.51	208.60	166.74	194.51	743.28	516.57	747.83	451.45	491.75	723.89	560.74	575.39	5,604.26
1964	Dry	282.66	203.13	189.02	169.90	342.87	280.74	383.45	374.15	400.52	601.78	414.57	427.35	4,070.14
1965	Wet	235.35	213.50	254.49	837.85	415.20	442.96	583.28	473.88	380.31	712.10	482.47	623.12	5,654.51
1966	Below Normal	347.68	246.97	203.94	275.14	295.20	254.31	322.39	356.79	466.45	668.35	564.12	444.15	4,445.49
1967	Wet	251.80	186.72	162.18	105.59	306.32	725.31	451.75	828.92	723.20	464.06	445.71	739.61	5,391.17
1968	Below Normal	462.87	385.08	427.79	216.53	578.59	390.60	333.49	358.98	261.27	720.56	578.15	467.95	5,181.86
1969	Wet	234.22	206.47	168.69	523.17	698.86	568.70	642.47	904.83	522.94	536.22	480.71	728.44	6,215.72
1970	Wet	445.63	410.02	600.23	917.69	620.02	464.09	413.20	398.48	477.98	700.19	553.92	521.78	6,523.23
1971	Wet	316.16	251.08	236.25	326.00	339.08	432.77	441.74	658.45	534.08	676.32	549.24	603.68	5,364.85
1972	Below Normal	312.83	241.88	171.15	147.16	282.31	264.39	339.68	368.87	446.86	655.91	557.38	430.65	4,219.07
1973	Above Normal	212.46	194.83	164.87	97.03	500.44	469.95	344.10	484.52	549.75	675.65	493.64	499.62	4,886.86
1974	Wet	304.98	239.40	445.53	914.20	462.40	978.95	727.35	621.77	555.38	654.35	343.80	636.64	6,884.75
1975	Wet	353.18	297.48	250.91	274.88	385.06	765.71	357.56	701.13	616.56	666.33	371.57	632.38	5,672.75
1976	Critical	253.73	300.14	365.98	192.37	203.43	196.69	350.67	393.81	363.97	593.84	346.76	452.31	4,013.70
1977	Critical	276.36	216.75	145.02	59.40	61.15	80.42	149.45	65.75	111.43	47.77	45.88	42.96	1,301.34
1978	Above Normal	31.43	102.39	171.92	62.51	78.81	402.95	463.36	382.22	428.50	663.92	595.41	523.79	3,907.21
1979	Below Normal	351.71	268.00	306.04	139.27	137.74	281.48	356.99	407.57	582.62	686.29	525.53	411.96	4,455.20
1980	Above Normal	291.02	237.46	234.53	459.70	893.34	512.57	364.85	440.51	426.45	591.28	462.28	535.69	5,449.68
1981	Dry	397.33	331.02	315.45	220.69	273.21	269.75	312.76	386.39	489.62	664.35	514.66	398.35	4,573.58
1982	Wet	221.46	197.69	725.37	458.27	809.33	753.64	945.11	789.77	578.81	556.06	440.93	525.90	7,002.34
1983	Wet	388.78	591.98	707.87	741.63	891.17	981.12	639.99	836.62	854.98	499.72	435.19	525.14	8,094.19
1984	Wet	501.69	817.85	985.65	464.63	587.18	666.11	333.77	408.08	574.53	730.55	491.81	529.47	7,091.32
1985	Dry	321.24	225.23	273.35	254.76	249.25	271.86	353.76	470.45	472.37	617.89	413.80	390.36	4,314.32
1986	Wet	306.23	208.59	228.58	180.54	704.90	966.72	445.98	511.93	493.22	738.90	618.88	666.22	6,070.69
1987	Dry	443.23	205.93	488.19	172.76	147.62	120.08	192.46	257.67	297.01	223.39	179.72	147.50	2,875.56
1988	Critical	80.00	58.85	72.07	41.69	90.49	95.29	138.49	181.20	237.81	318.91	160.22	127.19	1,602.21
1989	Dry	65.97	63.10	41.07	32.40	72.58	82.34	360.26	482.01	518.46	634.50	457.25	400.76	3,210.70
1990	Critical	290.99	277.28	329.57	111.39	110.31	101.44	237.30	210.88	260.69	457.13	192.22	164.28	2,743.48
1991	Critical	90.91	55.95	65.18	39.04	57.09	78.09	128.01	158.36	236.40	365.58	152.26	136.01	1,562.88
1992	Critical	62.06	51.19	54.62	38.82	44.12	64.87	171.45	256.34	295.45	257.16	194.31	185.02	1,675.41
1993	Above Normal	59.56	43.65	62.17	60.14	211.44	526.52	415.50	633.83	375.13	754.14	621.80	585.88	4,349.76
1994	Critical	339.51	278.95	229.96	122.24	126.43	154.26	340.96	357.65	314.57	587.19	196.43	239.19	3,287.34
1995	Wet	65.82	175.76	297.97	58.15	396.76	806.15	859.32	1,003.24	810.73	443.41	459.73	527.69	5,9

Difference in Energy generated (GWh) at Syst. Tot.: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	(0.01)	0.00	(0.05)	(0.08)	31.22	40.58	15.68	0.01	7.28
1923	Below Normal	(0.01)	(0.01)	(0.02)	0.68	0.27	(1.93)	(0.19)	(0.17)	56.51	5.86	0.21	(0.32)	5.07
1924	Critical	(0.04)	(0.06)	(0.28)	(0.68)	(0.58)	(0.19)	0.07	(0.02)	0.22	0.39	(0.15)	0.09	(0.10)
1925	Dry	0.03	0.02	0.01	0.01	(0.02)	(0.82)	0.16	0.19	0.15	0.19	0.29	0.23	0.04
1926	Dry	0.22	0.12	0.08	0.06	(0.05)	(0.74)	(0.19)	(0.16)	(0.04)	(0.15)	0.06	(0.70)	(0.12)
1927	Wet	(0.11)	(0.09)	(0.07)	0.00	(0.08)	0.00	0.01	0.01	36.54	24.31	0.02	0.00	5.04
1928	Above Normal	0.01	0.01	0.01	(0.01)	(0.15)	(0.04)	0.01	0.00	0.01	0.01	0.02	0.01	(0.01)
1929	Critical	(0.01)	0.03	0.01	(0.03)	0.02	(0.02)	(0.03)	(0.03)	(0.05)	(0.05)	(0.03)	(2.36)	(0.21)
1930	Dry	0.61	0.54	0.67	0.00	0.00	(0.01)	0.00	0.00	0.04	(0.01)	(0.01)	(0.01)	0.15
1931	Critical	(0.01)	(0.02)	(0.02)	0.00	(0.01)	0.02	(0.04)	(0.05)	(0.01)	(0.21)	0.01	(0.03)	(0.03)
1932	Dry	(0.02)	(0.02)	(0.01)	(0.03)	0.00	3.97	(0.04)	(0.06)	44.82	19.15	0.07	(0.04)	5.65
1933	Critical	0.06	0.02	(0.02)	(0.01)	(3.34)	(0.01)	0.00	(0.01)	0.06	(0.23)	0.04	0.03	(0.28)
1934	Critical	0.02	0.00	0.01	0.00	5.96	31.35	(17.03)	2.98	9.29	14.96	74.54	0.44	10.21
1935	Below Normal	(3.24)	11.58	11.28	0.19	(0.04)	(0.64)	(4.86)	(0.75)	0.93	3.30	4.03	1.69	1.96
1936	Below Normal	(8.32)	(2.68)	(7.12)	(10.51)	9.17	0.23	(0.03)	(0.03)	31.91	28.86	0.00	(0.03)	3.45
1937	Below Normal	(0.02)	0.01	0.11	(0.01)	(0.41)	(0.02)	4.62	1.13	7.53	5.45	4.39	1.85	2.05
1938	Wet	10.71	13.19	7.12	28.65	(2.22)	2.25	16.44	67.24	(1.63)	3.31	2.31	3.22	12.55
1939	Dry	7.37	8.81	6.49	51.03	(7.27)	(29.06)	(27.01)	(44.46)	1.70	(28.55)	9.69	(57.60)	(9.07)
1940	Above Normal	8.55	(2.36)	18.17	0.01	0.12	0.07	0.38	0.92	45.67	18.44	0.26	0.15	7.53
1941	Wet	0.17	0.17	0.04	(0.10)	(0.50)	(0.77)	(1.08)	(1.83)	28.25	31.35	19.96	(0.75)	6.24
1942	Wet	(1.29)	(1.07)	(0.87)	(0.05)	0.01	(1.12)	(0.14)	(0.17)	31.67	51.09	5.74	0.02	6.99
1943	Wet	(0.04)	(0.07)	(0.13)	(0.56)	(1.94)	(1.80)	(2.22)	(2.86)	21.53	24.50	18.88	17.78	6.09
1944	Dry	0.19	(1.84)	(0.35)	(8.09)	(7.20)	(2.42)	(0.19)	(0.14)	(3.29)	(0.51)	(0.63)	2.36	(1.84)
1945	Below Normal	(0.10)	(0.09)	(0.11)	(0.04)	(0.05)	(22.74)	0.12	0.06	35.17	36.39	13.62	0.03	5.19
1946	Below Normal	0.36	0.25	0.26	(0.09)	(0.08)	1.35	(1.39)	(4.69)	66.31	1.23	2.17	0.04	5.48
1947	Dry	(4.27)	(0.91)	(2.10)	(3.64)	0.97	(5.78)	0.67	0.98	0.91	0.40	(0.18)	0.99	(1.00)
1948	Below Normal	(2.14)	0.60	4.90	(2.25)	(2.98)	(1.09)	0.06	(2.96)	(0.03)	0.85	0.77	0.68	(0.30)
1949	Dry	0.94	0.63	0.43	(0.16)	(0.14)	(0.18)	(0.92)	(0.29)	0.01	0.21	(1.98)	(0.02)	(0.12)
1950	Below Normal	0.28	0.69	(15.49)	0.00	0.00	0.00	0.01	0.04	0.00	0.01	0.01	0.00	(1.20)
1951	Above Normal	0.00	0.00	(0.04)	(6.90)	(2.61)	(0.02)	0.26	0.22	47.60	14.19	0.19	1.39	4.52
1952	Wet	0.14	0.13	0.14	(0.01)	(4.28)	0.01	(1.17)	(51.77)	(15.07)	(6.78)	(22.29)	(38.35)	(11.61)
1953	Wet	(47.19)	(45.60)	(34.77)	12.15	45.17	90.68	10.10	13.91	140.90	(21.10)	(19.61)	(16.68)	10.66
1954	Above Normal	(10.74)	(8.58)	6.98	10.35	53.77	(4.26)	(0.51)	1.22	15.61	5.47	(5.38)	(4.94)	4.92
1955	Dry	(6.36)	(3.77)	(3.02)	(1.36)	1.40	2.39	5.18	6.25	6.42	5.29	7.34	10.88	2.55
1956	Wet	(0.45)	3.70	2.93	(33.27)	0.30	0.05	0.91	0.76	33.51	34.45	19.14	0.60	5.22
1957	Above Normal	0.68	0.61	0.64	0.16	(0.08)	(3.09)	(0.10)	(0.25)	(3.39)	0.20	0.62	0.55	(0.29)
1958	Wet	0.46	0.50	0.33	(0.03)	(0.13)	(0.13)	0.32	(2.80)	(2.87)	2.76	(0.80)	(0.57)	(0.25)
1959	Below Normal	6.90	63.94	1.51	9.76	(1.17)	0.05	0.27	0.21	0.15	0.07	0.04	3.19	7.08
1960	Dry	(0.08)	0.26	(0.06)	(0.04)	(0.03)	(0.29)	(0.06)	(0.16)	(0.01)	(0.36)	0.72	(4.25)	(0.36)
1961	Dry	(0.22)	(0.19)	(0.12)	0.07	0.07	0.04	0.03	0.00	0.02	(0.38)	0.07	0.07	(0.04)
1962	Below Normal	0.01	(0.35)	(18.53)	(0.16)	0.00	0.03	0.01	0.02	64.10	0.02	0.01	0.02	3.77
1963	Wet	(0.01)	(0.01)	(0.01)	0.01	0.18	0.00	(0.11)	(0.11)	58.41	29.32	0.01	0.01	7.31
1964	Dry	0.02	0.00	0.00	0.24	0.02	0.14	0.04	(0.01)	0.05	(0.05)	(0.06)	(0.02)	0.03
1965	Wet	(0.11)	(0.01)	0.01	0.09	0.00	0.01	(0.61)	(1.32)	63.34	24.74	0.06	(0.06)	7.18
1966	Below Normal	0.50	0.29	0.22	(0.11)	(0.15)	0.01	0.01	(0.02)	0.02	0.00	0.03	(0.04)	0.06
1967	Wet	0.05	0.01	0.02	0.06	0.02	0.14	0.75	(0.43)	3.62	1.60	1.29	2.96	0.84
1968	Below Normal	10.98	4.58	22.66	13.27	(15.34)	(3.58)	0.92	1.08	0.24	1.11	1.09	0.97	3.17
1969	Wet	1.23	0.81	0.64	(1.08)	0.21	9.43	27.16	7.98	4.04	6.43	2.61	11.42	5.91
1970	Wet	23.26	21.26	12.64	(0.41)	(2.18)	0.68	29.07	(2.36)	47.77	34.54	(1.45)	5.66	14.04
1971	Wet	(2.71)	(1.86)	(1.51)	(0.20)	0.03	(5.47)	0.38	(0.17)	(0.52)	(0.78)	(1.04)	(0.46)	(1.19)
1972	Below Normal	0.20	0.61	1.04	3.52	1.27	1.18	0.29	0.18	0.11	0.00	(0.03)	0.09	0.71
1973	Above Normal	0.18	0.19	0.36	0.58	(0.02)	0.00	0.00	0.00	40.53	19.84	0.01	0.03	5.14
1974	Wet	0.28	0.00	(0.30)	0.00	(9.03)	3.70	(3.05)	(1.67)	38.28	41.04	2.83	(0.61)	5.96
1975	Wet	(0.65)	(0.55)	(0.69)	1.22	0.51	(0.31)	(0.26)	(0.11)	42.16	18.08	(0.29)	(0.29)	4.90
1976	Critical	(0.30)	(0.31)	(0.28)	(0.16)	(0.02)	0.24	0.51	0.62	1.35	0.78	(0.62)	0.70	0.21
1977	Critical	0.32	0.57	(3.60)	0.01	0.00	0.00	0.01	(0.03)	0.00	(0.01)	0.00	0.01	(0.23)
1978	Above Normal	0.00	(0.58)	(6.73)	0.00	0.00	(13.14)	(3.53)	2.47	34.46	26.25	41.12	2.73	6.92
1979	Below Normal	(5.20)	(4.35)	(66.58)	(20.78)	(19.08)	(16.17)	(12.05)	(12.74)	31.06	36.36	(5.36)	(5.55)	(8.37)
1980	Above Normal	(14.44)	(7.85)	(7.92)	71.80	(0.77)	0.53	(63.28)	(54.63)	(25.86)	(19.89)	(21.44)	(77.62)	(18.45)
1981	Dry	(46.56)	0.07	(66.28)	29.50	89.49	90.96	23.96	32.09	209.24	(14.05)	(1.57)	(7.97)	28.24
1982	Wet	(3.60)	(5.43)	13.36	7.49	6.19	(0.17)	(0.08)	4.74	4.21	4.94	4.16	4.37	3.35
1983	Wet	12.43	13.50	36.12	(3.30)	28.17	8.91	17.41	(9.82)	18.67	0.00	6.29	7.58	11.33
1984	Wet	6.71	6.51	15.12	0.00	(2.04)	(0.01)	0.00	0.00	48.41	37.45	0.01	0.01	9.35
1985	Dry	0.00	0.00	(0.01)	(0.03)	0.00	(0.01)	0.00	0.01	0.01	0.01	0.00	0.00	0.00
1986	Wet	(0.04)	0.00	0.06	0.00	(36.22)	0.66	21.61	0.46	(0.64)	0.48	(0.14)	0.42	(1.11)
1987	Dry	7.85	28.67	5.19	13.10	(0.09)	(0.03)	(0.22)	(0.12)	0.84	(0.33)	(0.27)	(0.10)	4.54
1988	Critical	(0.03)	(0.04)	(0.05)	(0.04)	0.01	(0.02)	(0.03)	1.15	1.24	(0.88)	1.05	0.92	0.27
1989	Dry	0.42	0.29	0.24	(0.08)	(0.05)	(0.35)	(0.83)	(0.10)	0.28	0.55	(15.35)	0.23	(1.23)
1990	Critical	3.79	3.33	3.01	(1.94)	(1.41)	(0.18)	0.99	6.23	1.22	1.76	5.20	0.69	1.89
1991	Critical	0.36	0.28	0.22	0.20	(0.07)	0.06	(0.07)	(0.08)	(0.02)	0.28	(0.55)	(0.11)	0.04
1992	Critical	0.00	(0.01)	0.00	0.00	0.00	0.00	(1.84)	(2.33)	(13.06)	9.49	(2.23)	(1.56)	(0.96)
1993	Above Normal	2.17	0.14	(3.13)	(1.79)	0.30	1.03	0.13	(0.14)	43.96	40.97	0.36	(0.36)	6.97
1994	Critical	0.21	0.51	3.16	1.08	0.91	0.15	(0.24)	(0.19)	4.35	(1.85)	(8.71)	1.06	0.04
1995	Wet	(0.07)	(1.83)	(1.83)	(0.01)	(1.29)	0.00	0.47	35.64	13.58	(29.28)	16.04	18.82	4.19
1996	Wet	(69.46)	(136.31)	(93.16)	0.18	(0.08)	(0.06)	(1.83)	(2.81)	35.54	38.97	6.65	(0.70)	(18.59)
1997	Wet	(0.72)	(0.55)	(0.75)	(0.06)	0.00	1.85	(0.10)	(0.04)	25.30	33.77	22.37	0.35	6.79
1998	Wet	0.13	0.03	0.05	(0.13)	4.07	(2.72)	4.03	(1.71)	38.44	40.28	(0.69)	(0.68)	6.76
1999	Wet	(0.70)	(0.65)	(0.99)	(0.12)	0.00	(0.01)	0.04	0.07	40.87	37.02	8.31	(0.01)	6.99
2000	Above Normal	0.00	(0.01)	0.05	0.00	0.18	(2.32)	(0.81)	(0.05)	45.31	16.86	0.83	0.37	5.03
2001	Dry	(0.56)	(0.78)	(4.23)	(2.51)	(2.05)	(0.65)	0.25	0.27	0.23	2.34	0.34	0.26	(0.59)
2002	Dry	0.36	0.36	0.13	0.16	(0.02)	(0.01)	(0.37)	(0.41)	(0.38)	(0.26)	(5.08)	1.76	(0.31)
2003	Above Normal	7.23	(7.66)	(7.10)	0.00	0.00	0.00	(0.01)	(0.02)	0.00	0.00	0.01	0.01	(0.63)
Average		(1.38)	(0.59)	(2.10)	1.89	1.51	1.58	0.26	(0.20)	19.38	9.18	2.51	(1.40)	2.55
Wet		(2.75)	(5.16)	(1.79)	0.40	0.96	4.07	4.54	1.95	29.01	17.79	3.48	0.54	4.42
Above Normal		(0.53)	(2.17)	0.11	6.18	4.23	(1.77)	(5.63)	(4.20)	22.93	13.58	2.69	(6.47)	2.41
Below Normal		0.01	5.36	(4.71)	(0.47)	(2.04)	(3.09)	(0.87)	(1.33)	21.00	8.54	1.50	0.19	2.01
Dry		(2.23)	1.79	(3.50)	4.35	4.17	3.18	0.03	(0.34)	14.50	(0.92)	(0.36)	(3.00)	1.47
Critical		0.36												

Percent Difference in Energy generated (GWh) at Syst. Tot.: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	6%	6%	3%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	16%	1%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	9%	4%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-5%
1930	Dry	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	2%	0%	0%	11%	4%	0%	0%
1933	Critical	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	4%	32%	-6%	1%	3%	5%	38%	1%
1935	Below Normal	-2%	8%	11%	0%	0%	-1%	-1%	0%	0%	0%	1%	0%
1936	Below Normal	-3%	-1%	-3%	-7%	5%	0%	0%	0%	7%	4%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	1%	0%	1%	1%	1%	0%
1938	Wet	3%	4%	2%	13%	0%	0%	2%	7%	0%	1%	0%	0%
1939	Dry	2%	2%	1%	-22%	-3%	-13%	-6%	-10%	1%	-4%	3%	-16%
1940	Above Normal	9%	-3%	7%	0%	0%	0%	0%	0%	11%	3%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	6%	5%	5%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	6%	9%	1%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	-1%	5%	3%	3%	3%
1944	Dry	0%	-2%	0%	-5%	-4%	-1%	0%	0%	-1%	0%	0%	1%
1945	Below Normal	0%	0%	0%	0%	0%	-6%	0%	0%	8%	6%	2%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	-1%	15%	0%	0%	0%
1947	Dry	-1%	0%	-1%	-2%	1%	-3%	0%	0%	0%	0%	0%	0%
1948	Below Normal	-1%	0%	2%	-1%	-2%	-1%	0%	-1%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1950	Below Normal	0%	1%	-9%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	-1%	0%	0%	0%	0%	10%	2%	0%	0%
1952	Wet	0%	0%	0%	0%	-1%	0%	0%	-5%	-2%	-1%	-6%	-6%
1953	Wet	-11%	-13%	-8%	1%	17%	23%	2%	3%	35%	-3%	-4%	-3%
1954	Above Normal	-3%	-3%	3%	8%	30%	-1%	0%	0%	3%	1%	-1%	-1%
1955	Dry	-2%	-2%	-2%	-2%	1%	2%	2%	2%	2%	1%	2%	4%
1956	Wet	0%	2%	2%	-4%	0%	0%	0%	0%	6%	5%	4%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	-1%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	2%	32%	0%	5%	0%	0%	0%	0%	0%	0%	0%	1%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	-8%	0%	0%	0%	0%	0%	31%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	4%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-20%	4%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1968	Below Normal	2%	1%	6%	7%	-3%	-1%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	0%	0%	0%	0%	2%	4%	1%	1%	1%	1%	2%
1970	Wet	6%	5%	2%	0%	0%	0%	8%	-1%	11%	5%	0%	1%
1971	Wet	-1%	-1%	-1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	2%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	8%	3%	0%	0%
1974	Wet	0%	0%	0%	0%	-2%	0%	0%	0%	7%	7%	1%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	7%	3%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	-1%	-4%	0%	0%	-3%	-1%	1%	9%	4%	7%	1%
1979	Below Normal	-1%	-2%	-18%	-13%	-12%	-5%	-3%	-3%	6%	6%	-1%	-1%
1980	Above Normal	-5%	-3%	-19%	19%	0%	0%	-15%	-11%	-6%	-3%	-4%	-13%
1981	Dry	-10%	0%	-17%	15%	49%	51%	8%	9%	75%	-2%	0%	-2%
1982	Wet	-2%	-3%	2%	2%	1%	0%	0%	1%	1%	1%	1%	1%
1983	Wet	3%	2%	5%	0%	3%	1%	3%	-1%	2%	0%	1%	1%
1984	Wet	1%	1%	2%	0%	0%	0%	0%	0%	9%	5%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-5%	0%	5%	0%	0%	0%	0%	0%
1987	Dry	2%	16%	1%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	1%	1%
1989	Dry	1%	0%	1%	0%	0%	0%	0%	0%	0%	0%	-3%	0%
1990	Critical	1%	1%	1%	-2%	-1%	0%	0%	3%	0%	0%	3%	0%
1991	Critical	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-4%	4%	-1%	-1%
1993	Above Normal	4%	0%	-5%	-3%	0%	0%	0%	0%	13%	6%	0%	0%
1994	Critical	0%	0%	1%	1%	1%	0%	0%	0%	1%	0%	-4%	0%
1995	Wet	0%	-1%	-1%	0%	0%	0%	0%	4%	2%	-6%	4%	4%
1996	Wet	-15%	-58%	-23%	0%	0%	0%	0%	0%	8%	6%	1%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	5%	5%	5%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	1%	0%	5%	9%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	10%	6%	2%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	9%	2%	0%	0%
2001	Dry	0%	0%	-1%	-2%	-2%	0%	0%	0%	0%	1%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
2003	Above Normal	6%	-6%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	-1%	1%	1%	1%	0%	0%	5%	1%	1%	0%
Wet		-1%	-2%	-1%	0%	0%	1%	1%	0%	6%	3%	1%	0%
Above Normal		1%	-1%	0%	2%	2%	0%	-1%	-1%	5%	2%	0%	-1%
Below Normal		0%	3%	-1%	0%	-1%	-1%	0%	0%	6%	1%	0%	0%
Dry		0%	1%	-1%	2%	2%	2%	0%	0%	5%	0%	0%	-1%
Critical		0%	0%	0%	0%	0%	3%	-1%	0%	0%	1%	3%	0%

Energy generated (GWh) at Thermalito Dam: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	20.48	12.39	16.56	8.71	13.03	24.48	6.51	86.00	32.47	42.67	27.73	44.33	335.36
1923	Below Normal	20.48	12.39	19.50	8.71	16.39	8.88	4.96	5.12	4.96	42.23	37.20	18.82	199.64
1924	Critical	9.06	8.42	9.02	8.71	8.14	12.26	9.88	12.18	14.76	35.53	10.94	6.48	145.38
1925	Dry	4.61	4.46	4.71	4.61	4.16	4.10	3.72	3.84	13.65	42.14	20.17	25.69	135.86
1926	Dry	10.36	6.02	8.68	4.61	4.16	8.30	3.72	15.51	24.55	45.25	22.58	13.59	167.33
1927	Wet	4.61	4.46	21.22	4.61	13.18	36.29	23.76	20.76	10.18	48.53	41.73	49.56	278.89
1928	Above Normal	20.48	12.39	14.08	8.71	21.09	41.74	4.96	5.12	24.57	51.21	41.61	38.99	284.95
1929	Critical	20.48	8.42	8.71	8.71	7.86	8.71	9.41	11.37	12.97	7.15	4.95	3.83	112.57
1930	Dry	4.61	4.46	20.34	4.61	18.45	4.10	3.72	3.84	22.93	45.26	27.18	23.35	182.85
1931	Critical	6.40	4.46	4.61	4.61	4.16	4.10	15.23	11.82	13.98	26.32	11.68	5.55	112.92
1932	Dry	4.61	4.46	23.04	4.61	4.31	14.48	5.56	3.84	14.10	24.57	26.66	3.83	134.07
1933	Critical	9.31	9.11	4.61	4.61	4.16	24.04	3.88	10.55	11.05	21.67	3.84	3.83	110.66
1934	Critical	4.61	4.46	13.74	4.61	17.15	5.42	12.49	16.31	17.33	12.80	10.26	6.29	125.47
1935	Below Normal	8.42	4.46	4.61	4.61	4.30	4.10	4.96	5.12	11.29	44.73	39.34	24.49	160.43
1936	Below Normal	15.68	12.39	11.17	8.71	9.52	28.29	4.96	5.84	8.01	42.87	38.56	22.13	208.13
1937	Below Normal	20.48	12.39	28.28	8.71	7.86	8.71	4.96	5.12	37.46	41.58	38.95	5.38	219.88
1938	Wet	14.76	8.42	8.71	8.71	36.96	89.10	65.00	88.76	40.65	21.36	23.81	49.56	455.80
1939	Dry	20.48	12.39	25.34	8.71	8.22	8.71	13.33	16.29	14.59	47.05	28.85	15.73	219.69
1940	Above Normal	6.14	5.95	6.14	6.14	5.75	89.10	19.09	5.12	14.72	51.21	43.02	41.01	293.39
1941	Wet	18.77	12.39	8.71	8.71	68.71	58.61	18.83	43.66	15.33	39.01	14.92	49.56	357.21
1942	Wet	20.48	12.39	30.41	73.60	80.48	14.27	52.35	29.96	30.08	32.34	23.16	49.56	449.08
1943	Wet	20.48	12.39	8.71	76.72	34.68	82.32	20.91	5.12	9.80	49.58	40.81	49.56	411.08
1944	Dry	20.48	13.30	27.47	11.18	10.46	11.18	8.97	7.78	21.04	44.77	26.79	4.96	208.38
1945	Below Normal	8.71	8.42	8.71	8.71	7.86	8.71	4.96	5.38	7.90	44.73	38.56	23.77	176.42
1946	Below Normal	16.89	8.42	8.71	8.71	7.86	8.71	4.96	8.44	15.62	49.80	42.70	23.76	204.58
1947	Dry	17.49	8.42	8.71	8.71	7.86	8.71	4.96	11.12	14.78	44.88	25.64	26.78	188.06
1948	Below Normal	11.39	7.17	7.16	6.60	5.95	5.12	4.96	5.12	4.96	45.48	39.57	11.97	155.45
1949	Dry	10.09	8.42	8.71	8.71	7.86	8.71	6.84	6.21	19.18	45.61	20.93	25.45	176.72
1950	Below Normal	4.61	4.46	5.69	4.61	4.16	4.10	4.96	5.12	4.96	46.87	40.31	19.58	149.43
1951	Above Normal	10.86	8.42	59.53	59.83	50.17	23.64	4.96	9.10	17.11	51.21	42.21	39.36	376.40
1952	Wet	20.48	12.39	8.71	8.71	48.77	36.28	86.23	89.10	44.98	12.05	6.63	46.30	420.63
1953	Wet	20.48	12.39	25.24	89.10	7.86	32.01	22.57	16.94	27.57	49.86	31.52	47.26	382.80
1954	Above Normal	20.48	12.39	15.23	14.93	7.86	39.67	30.92	5.12	24.38	51.21	41.44	40.59	304.22
1955	Dry	16.16	8.42	8.71	8.71	7.86	8.71	8.16	5.57	11.78	43.06	22.99	5.34	155.47
1956	Wet	10.77	8.42	8.71	89.10	54.34	32.84	16.07	55.50	21.66	39.71	23.77	49.56	410.45
1957	Above Normal	20.48	12.39	35.32	8.71	17.71	17.27	4.96	5.12	4.96	49.54	38.34	39.98	254.78
1958	Wet	8.71	11.77	8.71	8.71	80.48	61.00	38.05	53.61	33.11	20.37	9.24	46.01	379.77
1959	Below Normal	20.48	12.39	31.65	8.71	31.93	11.91	9.35	6.11	20.16	50.45	40.40	25.04	268.58
1960	Dry	11.23	10.11	6.14	6.14	5.75	5.12	12.86	7.23	19.23	45.12	32.50	30.05	191.48
1961	Dry	6.14	5.95	7.06	6.14	5.55	5.30	6.05	6.28	12.99	44.89	18.57	3.83	128.75
1962	Below Normal	4.61	4.46	4.61	4.61	4.16	4.10	3.85	16.64	13.26	47.67	39.18	27.85	175.00
1963	Wet	6.14	5.95	6.14	6.14	71.63	42.54	65.00	16.18	13.80	50.34	38.17	46.72	368.75
1964	Dry	18.37	8.78	8.71	8.71	8.14	8.71	6.91	5.12	10.61	43.71	19.65	30.16	177.58
1965	Wet	12.86	8.42	13.99	89.10	22.52	27.41	38.73	17.97	10.88	48.09	27.30	49.56	366.83
1966	Below Normal	20.48	12.39	8.71	8.71	7.86	8.71	4.96	5.12	19.25	51.21	42.21	32.53	222.14
1967	Wet	14.53	8.42	8.71	8.71	7.86	62.21	10.71	47.30	42.08	7.26	7.95	49.04	274.78
1968	Below Normal	20.48	12.39	21.42	10.29	56.50	34.05	9.87	5.96	20.27	51.21	38.13	29.44	310.01
1969	Wet	9.79	8.42	8.71	53.45	57.71	33.06	37.46	65.67	18.54	19.27	14.01	49.56	375.65
1970	Wet	20.48	12.39	46.73	89.10	49.31	21.11	7.36	5.12	13.18	49.01	39.89	40.04	393.72
1971	Wet	20.48	13.49	11.38	11.38	10.28	27.47	19.10	44.00	27.94	48.66	36.05	49.56	319.79
1972	Below Normal	20.48	12.39	8.71	8.71	8.14	8.71	4.96	5.12	15.01	46.47	38.10	28.09	204.89
1973	Above Normal	8.71	8.42	8.71	8.71	36.36	31.30	4.96	13.42	20.36	44.72	27.67	33.12	246.46
1974	Wet	16.62	8.42	36.09	89.10	26.80	89.10	41.92	29.65	21.70	38.84	5.29	46.40	449.93
1975	Wet	20.48	12.39	9.76	8.71	26.73	66.14	4.96	42.97	30.48	42.79	11.04	48.18	324.63
1976	Critical	8.71	12.39	26.11	8.71	8.14	8.71	4.96	5.78	5.63	36.47	17.75	30.44	173.80
1977	Critical	15.13	5.95	6.14	6.14	5.55	5.12	4.40	4.96	12.44	7.60	7.58	7.38	88.39
1978	Above Normal	4.86	4.46	4.61	4.61	4.16	27.71	25.29	5.12	7.90	39.64	33.19	36.58	198.13
1979	Below Normal	20.48	12.39	30.16	6.14	5.55	5.12	4.96	5.12	24.73	43.95	33.59	21.79	213.98
1980	Above Normal	16.25	8.42	8.71	26.86	83.35	27.22	4.96	5.12	4.96	28.99	15.62	36.87	267.33
1981	Dry	20.48	12.39	15.65	8.71	7.86	8.71	4.96	5.12	21.48	44.92	27.69	19.34	197.31
1982	Wet	7.08	5.95	78.90	42.72	80.48	68.65	86.23	41.00	18.50	18.70	7.90	24.76	480.87
1983	Wet	14.95	43.07	56.25	64.97	80.48	89.10	43.40	60.79	57.89	14.65	7.49	25.01	558.05
1984	Wet	25.80	72.10	89.10	28.69	41.20	46.28	4.96	5.12	24.46	51.21	30.43	39.14	458.49
1985	Dry	20.48	8.42	8.71	8.71	7.86	8.71	4.96	14.93	18.05	45.56	19.97	25.78	192.14
1986	Wet	19.43	8.42	8.71	8.71	80.48	89.10	4.96	5.12	8.09	45.26	34.05	49.56	361.86
1987	Dry	20.48	12.39	30.00	8.71	7.86	8.71	4.96	10.88	16.56	8.98	5.12	4.96	139.61
1988	Critical	6.14	5.95	6.14	6.14	8.15	6.42	3.72	8.24	13.81	34.76	7.27	6.46	113.20
1989	Dry	4.61	4.46	4.61	4.61	5.52	4.10	3.72	12.39	19.39	40.73	23.58	23.83	151.55
1990	Critical	13.21	12.39	25.35	4.61	4.16	4.10	6.13	3.95	5.15	41.03	4.80	4.96	129.84
1991	Critical	4.94	4.46	6.52	4.61	4.16	4.10	3.72	3.84	16.90	38.26	9.06	6.79	107.36
1992	Critical	4.61	5.43	4.61	4.61	4.31	4.10	3.72	8.32	18.77	10.92	6.44	9.49	85.33
1993	Above Normal	5.23	4.46	4.61	4.61	4.16	44.09	17.80	39.81	22.18	47.29	40.17	41.22	275.63
1994	Critical	20.48	12.39	12.10	6.14	5.55	5.12	4.96	5.12	7.17	39.39	18.66	8.57	145.65
1995	Wet	10.00	5.95	6.14	6.14	34.18	89.10	63.90	89.10	54.36	12.17	11.75	22.26	405.05
1996	Wet	20.48	12.39	25.99	62.66	83.35	51.96	33.27	53.35	11.75	44.94	21.68	46.66	468.48
1997	Wet	20.48	12.39	71.00	89.10	47.60	27.11	4.96	5.12	11.72	46.05	22.18	47.02	404.73
1998	Wet	20.48	12.39	11.20	8.71	78.94	73.13	14.63	47.13	56.67	12.86	5.91	22.31	364.36
1999	Wet	26.95	41.87	30.90	71.12	76.67	58.12	4.96	5.12	8.66	45.87	18.51	26.09	414.84
2000	Above Normal	20.48	12.39	32.72	8.71	38.34	48.10	4.96	7.86	19.20	51.21	39.03	38.45	321.45
2001	Dry	20.48	12.39	32.23	8.71	7.86	8.71	4.96	10.63	17.27	25.50	5.12	4.96	158.82
2002	Dry	12.37	5.95	6.14	6.14	6.11	5.12	4.96	5.12	8.80	42.93	7.90	23.59	135.13
2003	Above Normal	9.06	9.94	8.71	8.71	7.86	8.71	4.96	24.43	10.31	51.21	38.54	41.97	224.41
Average		14.27	10.74	17.63	19.34	24.23	26.94	15.10	18.77	18.61	38.48	24.70	28.26	257.06

Energy generated (GWh) at Thermalito Dam: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	20.48	12.39	16.56	8.71	13.03	24.48	6.51	86.00	32.47	42.67	27.73	44.33	335.36
1923	Below Normal	20.48	12.39	19.50	8.71	16.43	8.71	4.96	5.12	4.96	42.22	37.20	18.75	199.43
1924	Critical	9.06	8.42	9.02	8.71	8.14	12.26	9.88	12.15	14.77	35.55	10.94	6.48	145.38
1925	Dry	4.61	4.46	4.71	4.61	4.16	4.10	3.72	3.84	13.64	42.14	20.19	25.70	135.88
1926	Dry	10.38	6.03	8.68	4.61	4.16	7.62	3.72	15.51	24.57	45.25	22.63	13.49	166.65
1927	Wet	4.61	4.46	21.22	4.61	13.18	36.29	23.76	20.76	10.18	48.53	41.73	49.56	278.89
1928	Above Normal	20.48	12.39	14.08	8.71	21.09	41.73	4.96	5.12	24.57	51.21	41.61	39.00	284.95
1929	Critical	20.48	8.42	8.71	8.71	7.86	8.71	9.41	11.37	12.97	7.15	4.95	3.83	112.57
1930	Dry	4.61	4.46	20.34	4.61	18.45	4.10	3.72	3.84	22.94	45.26	27.18	23.35	182.86
1931	Critical	6.40	4.46	4.61	4.61	4.16	4.10	15.23	11.83	13.98	26.28	11.69	5.55	112.90
1932	Dry	4.61	4.46	23.04	4.61	4.31	14.48	5.56	3.84	14.10	24.57	26.68	3.83	134.09
1933	Critical	9.33	9.12	4.61	4.61	4.16	24.04	3.88	10.55	11.06	21.61	3.84	3.83	110.64
1934	Critical	4.61	4.46	13.74	4.61	17.15	5.39	12.51	14.24	17.30	12.78	10.33	6.29	123.41
1935	Below Normal	8.52	4.46	4.61	4.61	4.30	4.10	4.96	5.12	11.29	44.74	39.36	24.52	160.59
1936	Below Normal	14.78	12.39	11.11	8.71	12.15	28.29	4.96	5.84	8.01	42.87	38.57	22.13	209.81
1937	Below Normal	20.48	12.39	28.30	8.71	7.86	8.71	4.96	5.12	37.82	41.59	38.96	5.38	220.28
1938	Wet	14.36	8.42	8.71	8.71	36.97	89.10	65.00	88.76	40.65	21.36	23.81	49.56	455.41
1939	Dry	20.48	12.39	25.29	8.71	7.98	8.71	16.49	16.22	14.56	46.96	29.04	13.03	219.86
1940	Above Normal	6.14	5.95	6.14	6.14	5.75	89.10	19.09	5.12	14.72	51.21	43.05	41.03	293.44
1941	Wet	18.79	12.39	8.71	8.71	68.65	58.61	18.83	43.66	15.33	38.77	14.93	49.56	356.94
1942	Wet	20.48	12.39	30.39	73.60	80.48	14.27	52.35	29.96	30.08	32.34	23.19	49.56	449.09
1943	Wet	20.48	12.39	8.71	76.69	34.68	82.33	20.91	5.12	9.81	50.42	40.80	49.56	411.90
1944	Dry	20.48	13.30	27.46	11.19	10.46	11.19	8.97	7.78	20.45	44.72	27.13	4.96	208.09
1945	Below Normal	8.71	8.42	8.71	8.71	7.86	8.71	4.96	5.38	7.90	44.77	38.56	23.76	176.45
1946	Below Normal	16.92	8.42	8.71	8.71	7.86	8.71	4.96	7.89	16.49	49.67	42.92	23.78	205.04
1947	Dry	17.01	8.42	8.71	8.71	7.86	8.71	4.96	11.13	14.79	44.89	25.49	26.87	187.55
1948	Below Normal	10.93	7.17	7.16	6.60	6.06	5.12	4.96	5.12	4.96	45.48	39.57	11.96	155.09
1949	Dry	10.29	8.42	8.71	8.71	7.86	8.71	6.84	6.22	19.18	45.62	20.90	25.34	176.80
1950	Below Normal	4.61	4.46	5.70	4.61	4.16	4.10	4.96	5.12	4.96	46.87	40.31	19.58	149.44
1951	Above Normal	10.86	8.42	59.53	59.83	50.17	23.64	4.96	9.10	17.12	51.21	42.22	39.54	376.60
1952	Wet	20.48	12.39	8.71	8.71	48.58	36.28	86.23	89.10	45.03	12.11	6.63	46.32	420.57
1953	Wet	20.48	12.39	25.61	89.10	7.86	31.57	22.56	16.91	27.53	49.85	31.59	47.25	382.70
1954	Above Normal	20.48	12.39	16.72	14.93	7.86	37.78	30.92	5.12	24.38	51.21	41.44	40.59	303.82
1955	Dry	15.81	8.42	8.71	8.71	7.86	8.71	8.16	5.57	11.78	43.06	23.19	6.67	156.65
1956	Wet	9.48	8.42	8.71	89.10	54.34	32.97	16.07	55.50	21.66	39.71	23.77	49.56	409.29
1957	Above Normal	20.48	12.39	35.33	8.71	17.71	17.27	4.96	5.12	4.96	49.54	38.35	39.99	254.81
1958	Wet	8.71	11.84	8.71	8.71	80.48	61.00	38.05	53.61	33.11	20.39	9.25	45.94	379.80
1959	Below Normal	20.48	12.39	31.85	8.71	31.78	11.91	9.36	6.11	20.17	50.46	40.41	25.55	269.18
1960	Dry	11.24	10.42	6.14	6.14	5.75	5.12	12.87	7.23	19.23	45.12	32.55	29.44	191.25
1961	Dry	6.14	5.95	7.06	6.14	5.55	5.30	6.05	6.28	12.99	44.82	18.60	3.83	128.71
1962	Below Normal	4.61	4.46	4.61	4.61	4.16	4.10	3.85	16.64	13.26	47.67	39.18	27.86	175.01
1963	Wet	6.14	5.95	6.14	6.14	71.65	42.54	64.95	16.18	13.80	50.34	38.18	46.73	368.74
1964	Dry	18.38	8.78	8.71	8.71	8.14	8.71	6.91	5.12	10.61	43.72	19.65	30.17	177.61
1965	Wet	12.84	8.42	13.99	89.10	22.52	27.40	38.73	17.97	10.88	48.06	27.30	49.56	366.77
1966	Below Normal	20.48	12.39	8.71	8.71	7.86	8.71	4.96	5.12	19.26	51.21	42.22	32.53	222.16
1967	Wet	14.54	8.42	8.71	8.71	7.86	62.22	10.71	47.30	42.08	7.26	7.96	49.23	275.00
1968	Below Normal	20.48	12.39	21.85	9.65	56.50	34.05	9.87	5.96	20.28	51.21	38.13	29.44	309.81
1969	Wet	9.85	8.42	8.71	53.38	57.71	33.06	37.46	65.67	18.54	19.34	13.66	49.56	375.36
1970	Wet	20.48	12.39	47.01	89.10	49.32	21.11	7.35	5.12	13.19	49.01	39.89	41.15	395.12
1971	Wet	20.48	13.49	11.38	11.38	10.28	26.38	19.10	44.00	27.94	48.65	36.03	49.56	318.67
1972	Below Normal	20.48	12.39	8.71	8.71	8.14	8.71	4.96	5.12	15.01	46.47	38.10	28.10	204.90
1973	Above Normal	8.71	8.42	8.71	8.71	36.35	31.30	4.96	13.42	20.36	44.71	27.67	33.12	246.44
1974	Wet	16.66	8.42	36.05	89.10	26.80	89.10	41.92	29.65	21.70	38.85	5.29	46.41	449.95
1975	Wet	20.48	12.39	9.75	8.71	26.74	66.14	4.96	42.97	30.48	42.79	11.04	48.18	324.63
1976	Critical	8.71	12.39	26.12	8.71	8.14	8.71	4.96	5.78	5.63	36.53	17.75	30.44	173.87
1977	Critical	15.07	5.95	6.14	6.14	5.55	5.12	4.40	4.96	12.44	7.60	7.58	7.38	88.33
1978	Above Normal	4.86	4.46	4.61	4.61	4.16	27.71	25.30	5.12	7.92	39.66	33.22	36.61	198.24
1979	Below Normal	20.48	12.39	22.26	6.14	5.55	5.12	4.96	5.12	24.63	43.79	33.60	21.80	205.84
1980	Above Normal	15.21	8.42	8.71	36.14	83.35	27.22	4.96	5.12	4.96	28.89	15.51	31.28	269.77
1981	Dry	20.48	12.39	15.57	8.71	7.86	11.40	4.96	5.12	21.45	44.53	28.97	19.44	200.88
1982	Wet	7.41	5.95	80.86	42.72	80.48	68.65	86.23	41.00	18.50	18.71	8.04	24.79	483.34
1983	Wet	14.91	43.07	56.25	64.97	80.48	89.10	43.40	60.79	57.89	14.65	7.49	25.01	558.01
1984	Wet	25.80	72.10	89.10	28.69	41.20	46.28	4.96	5.12	24.46	51.21	30.43	39.14	458.49
1985	Dry	20.48	8.42	8.71	8.71	7.86	8.71	4.96	14.93	18.05	45.56	19.97	25.79	192.15
1986	Wet	19.43	8.42	8.71	8.71	80.48	89.10	4.96	5.12	8.10	45.26	34.05	49.53	361.87
1987	Dry	20.48	12.39	30.02	8.71	7.86	8.71	4.96	10.87	16.82	8.98	5.12	4.96	139.88
1988	Critical	6.14	5.95	6.14	6.14	8.15	6.42	3.72	8.24	13.81	34.47	7.27	6.46	112.91
1989	Dry	4.61	4.46	4.61	4.61	5.52	4.10	3.72	12.38	19.39	40.73	23.17	23.16	150.46
1990	Critical	13.26	12.39	25.36	4.61	4.16	4.10	6.14	3.95	5.16	41.03	5.71	4.97	130.84
1991	Critical	4.94	4.46	6.52	4.61	4.16	4.10	3.72	3.84	16.90	38.31	9.00	6.79	107.35
1992	Critical	4.61	5.43	4.61	4.61	4.31	4.10	3.72	8.32	16.24	13.44	6.39	9.49	85.27
1993	Above Normal	5.23	4.46	4.61	4.61	4.16	44.15	17.80	39.81	22.18	47.27	40.15	41.22	275.65
1994	Critical	20.48	12.39	12.43	6.14	5.55	5.12	4.96	5.12	7.17	39.32	18.62	8.57	145.87
1995	Wet	10.00	5.95	6.14	6.14	34.01	89.10	63.90	89.10	54.36	12.17	11.75	22.29	404.91
1996	Wet	20.48	12.39	25.96	62.66	83.35	51.96	33.27	53.35	11.75	44.52	21.70	46.60	467.99
1997	Wet	20.48	12.39	70.98	89.10	47.60	27.83	4.96	5.12	10.94	46.31	22.18	47.02	404.91
1998	Wet	20.48	12.39	11.21	8.71	79.45	73.13	14.63	47.13	55.33	12.87	5.91	22.31	363.55
1999	Wet	26.96	41.87	30.90	71.12	76.67	58.12	4.96	5.12	8.66	45.86	18.50	26.08	414.82
2000	Above Normal	20.48	12.39	32.73	8.71	38.35	48.10	4.96	7.86	19.20	51.21	39.03	38.46	321.48
2001	Dry	20.48	12.39	31.77	8.71	7.86	8.71	4.96	10.64	17.27	25.96	5.12	4.96	158.83
2002	Dry	12.37	5.95	6.14	6.14	6.10	5.12	4.96	5.12	8.80	42.93	7.70	23.79	135.12
2003	Above Normal	9.06	9.94	8.71	8.71	7.86	8.71	4.96	24.43	10.31	51.21	38.54	41.97	224.41
Average		14.22	10.75	17.58	19.44	24.26	26.93	15.14	18.73	18.56	38.50	24.73	28.18</	

Percent Difference in Energy generated (GWh) at Thermalito Dam: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	-8%	0%	0%	0%	0%	0%	-1%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	0%	-1%	0%	-13%	0%	0%	1%	0%
1935	Below Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	-6%	0%	-1%	0%	28%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1938	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1939	Dry	0%	0%	0%	0%	-3%	0%	24%	0%	0%	0%	1%	-17%
1940	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%
1944	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-3%	0%	1%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	-7%	6%	0%	1%	0%
1947	Dry	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1948	Below Normal	-4%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1953	Wet	0%	0%	1%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	10%	0%	0%	-5%	0%	0%	0%	0%	0%	0%
1955	Dry	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	25%
1956	Wet	-12%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	2%
1960	Dry	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	2%	-6%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1970	Wet	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	3%
1971	Wet	0%	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1979	Below Normal	0%	0%	-26%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1980	Above Normal	-6%	0%	0%	35%	0%	0%	0%	0%	0%	0%	-1%	-15%
1981	Dry	0%	0%	-1%	0%	0%	31%	0%	0%	0%	-1%	5%	1%
1982	Wet	5%	0%	2%	0%	0%	0%	0%	0%	0%	0%	2%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	-3%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	19%	0%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	0%	0%	-13%	23%	-1%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	3%	0%	0%	-7%	1%	0%	0%
1998	Wet	0%	0%	0%	1%	0%	0%	0%	0%	-2%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	-1%	0%	0%	0%	0%	0%	0%	2%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	1%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Wet		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Above Normal		-1%	0%	1%	3%	0%	0%	0%	0%	0%	0%	0%	-1%
Below Normal		-1%	0%	-2%	0%	2%	0%	0%	0%	0%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	1%	1%	0%	0%	0%	0%	0%
Critical		0%	0%	0%	0%	0%	0%	0%	-1%	-1%	2%	2%	0%

Percent Difference in Energy generated (GWh) at Warne: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	16%	20%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	29%	3%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	1%	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	19%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-28%
1930	Dry	0%	-4%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	-2%	0%	0%	0%	3%	0%	0%	-25%	9%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	13%	73%	-24%	12%	11%	10%	18%	0%
1935	Below Normal	22%	42%	63%	0%	0%	-1%	1%	1%	1%	3%	2%	0%
1936	Below Normal	-1%	-1%	-5%	-9%	-9%	0%	0%	0%	15%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	-1%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	6%	6%	4%	21%	0%	0%	4%	2%	7%	2%	2%	2%
1939	Dry	5%	6%	3%	-28%	-10%	-18%	-14%	-15%	-18%	-13%	10%	-19%
1940	Above Normal	18%	-6%	0%	0%	0%	0%	0%	0%	19%	6%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	16%	24%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	8%	8%	8%	8%
1944	Dry	1%	0%	0%	-6%	-6%	-2%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-12%	0%	0%	17%	17%	6%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	34%	2%	1%	0%
1947	Dry	0%	0%	-2%	-3%	5%	-7%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	-1%	0%	0%	-4%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	-100%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	-23%	-9%	0%	0%	0%	24%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	-9%	0%	0%	-14%	-3%	0%	-8%	-15%
1953	Wet	-17%	-18%	1%	30%	49%	3%	2%	35%	-11%	-10%	-8%	-8%
1954	Above Normal	-9%	-9%	-6%	12%	40%	7%	0%	0%	0%	-2%	-3%	-3%
1955	Dry	-3%	-3%	-4%	-9%	2%	2%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	4%	-37%	0%	0%	0%	0%	15%	15%	9%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	4%	33%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	-1%	-74%	0%	0%	0%	0%	0%	681%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	32%	14%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-33%	12%	1%	1%
1966	Below Normal	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	17%	15%	14%	-9%	-2%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	1%	1%	0%	0%	0%	-6%	0%	16%	3%	5%	4%
1970	Wet	9%	10%	5%	-3%	-9%	0%	12%	-1%	25%	17%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	-1%	-1%	0%
1972	Below Normal	0%	0%	1%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	2%	0%	0%	0%	0%	20%	10%	0%	0%
1974	Wet	0%	0%	0%	0%	-10%	0%	-2%	0%	19%	19%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	-4%	-43%	0%	0%	-6%	1%	2%	18%	16%	21%	1%
1979	Below Normal	-1%	-1%	-9%	-13%	-15%	-6%	-4%	-4%	16%	16%	-4%	-4%
1980	Above Normal	-5%	-5%	-6%	-34%	0%	0%	-19%	-14%	-5%	-5%	-5%	-13%
1981	Dry	-17%	-17%	-33%	21%	64%	42%	9%	8%	>1,000%	-6%	-6%	-5%
1982	Wet	-5%	-5%	-3%	6%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	6%	6%	50%	-11%	11%	0%	20%	-8%	18%	0%	13%	3%
1984	Wet	3%	3%	0%	0%	-9%	0%	0%	0%	25%	19%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-41%	0%	15%	0%	0%	0%	0%	0%
1987	Dry	3%	-8%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	0%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	2%
1990	Critical	2%	2%	2%	-2%	-1%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	4%	2%	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%
1993	Above Normal	-11%	-8%	0%	-13%	0%	0%	0%	0%	30%	16%	-1%	-1%
1994	Critical	-1%	-1%	0%	1%	1%	0%	0%	0%	0%	-1%	-27%	-1%
1995	Wet	0%	-1%	-30%	0%	0%	0%	0%	0%	6%	0%	16%	8%
1996	Wet	20%	-99%	-100%	0%	0%	0%	0%	0%	19%	21%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	-2%	1%	-1%	20%	20%	0%	0%
1999	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	21%	19%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	22%	8%	1%	0%
2001	Dry	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	2%	3%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	14%	-11%	-51%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		1%	-1%	-4%	0%	0%	1%	0%	0%	17%	5%	1%	-1%
Wet		1%	-4%	-4%	-1%	-1%	2%	2%	-1%	15%	9%	3%	0%
Above Normal		1%	-4%	-9%	-5%	3%	0%	-2%	-1%	12%	6%	2%	-1%
Below Normal		2%	6%	-8%	0%	-2%	-2%	0%	0%	57%	4%	1%	0%
Dry		0%	-1%	-2%	2%	3%	1%	0%	0%	1%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	6%	-2%	1%	1%	1%	-1%	-2%

Percent Difference in Energy Use (GWh) At Pumping Plant at Badger Hill: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	25%	17%	13%	25%	7%	7%	5%	13%
1935	Below Normal	14%	12%	6%	0%	0%	0%	-2%	1%	1%	1%	0%	0%
1936	Below Normal	-3%	-4%	-3%	6%	2%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	-9%	-3%	-3%	1%	1%	0%	0%	1%	0%
1939	Dry	1%	1%	1%	-15%	-23%	-23%	-15%	-16%	-34%	-13%	-12%	-11%
1940	Above Normal	-7%	-5%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	-1%	0%	0%
1942	Wet	0%	0%	0%	1%	0%	-1%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	-1%	-1%	-1%	-1%
1944	Dry	-1%	-55%	66%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	1%	0%	1%
1947	Dry	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1949	Dry	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1950	Below Normal	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	-1%	-1%	0%	-14%	-14%	-14%	-14%	-14%
1953	Wet	-15%	-15%	-15%	14%	68%	6%	9%	6%	7%	7%	7%	7%
1954	Above Normal	11%	14%	11%	3%	16%	11%	0%	1%	1%	1%	1%	1%
1955	Dry	1%	0%	1%	0%	5%	3%	3%	3%	2%	2%	3%	3%
1956	Wet	2%	3%	3%	-3%	-1%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	1%	1%	1%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	-12%	8%	9%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	0%	0%	0%	-1%	1%	0%	0%	0%	0%	0%	0%
1970	Wet	1%	1%	0%	-2%	-3%	-2%	1%	-1%	-1%	-1%	-1%	-1%
1971	Wet	-1%	-1%	-1%	1%	1%	3%	0%	-1%	0%	0%	0%	0%
1972	Below Normal	1%	0%	1%	1%	0%	0%	1%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	2%	1%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-30%	22%	21%	0%	0%	-7%	-3%	3%	3%	3%	2%	2%
1979	Below Normal	-4%	-7%	-5%	0%	0%	-4%	-4%	-5%	-5%	-4%	-4%	-4%
1980	Above Normal	-5%	-5%	-5%	62%	-2%	-1%	-16%	-13%	-13%	-13%	-13%	-14%
1981	Dry	-14%	-14%	-14%	31%	75%	68%	11%	10%	10%	11%	11%	11%
1982	Wet	13%	13%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%
1987	Dry	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	2%	1%	2%	2%
1989	Dry	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%
1990	Critical	-1%	-1%	-1%	0%	0%	3%	1%	1%	1%	1%	1%	1%
1991	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-3%	-1%	-2%	-2%	-2%	-1%
1993	Above Normal	-2%	-3%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	-72%	89%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	3%	0%	0%	0%	-1%	-1%	-1%	-1%	0%
1999	Wet	-1%	-14%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-2%	-1%	0%	0%	1%	0%	0%
2001	Dry	-1%	-1%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		-1%	-1%	2%	1%	2%	2%	0%	0%	0%	0%	0%	0%
Wet		0%	-3%	3%	0%	2%	2%	0%	0%	0%	0%	0%	0%
Above Normal		-3%	2%	3%	5%	1%	0%	-2%	-1%	-1%	-1%	-1%	-1%
Below Normal		0%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		-1%	-4%	3%	1%	3%	3%	0%	0%	-1%	0%	0%	0%
Critical		0%	0%	0%	0%	2%	2%	1%	2%	1%	1%	0%	1%

Percent Difference in Energy Use (GWh) At Pumping Plant at Buena Vista: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	11%	15%	2%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	24%	0%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	7%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	2%	0%	0%	20%	5%	0%	0%
1933	Critical	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	18%	42%	-9%	3%	2%	5%	61%	0%
1935	Below Normal	-3%	8%	12%	1%	0%	-1%	-1%	0%	1%	1%	1%	0%
1936	Below Normal	-1%	-2%	-4%	-11%	-9%	0%	0%	0%	10%	8%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	10%	0%	0%	2%	2%	-3%	1%	1%	1%
1939	Dry	2%	2%	3%	22%	-3%	-14%	-15%	-15%	-3%	-8%	15%	-14%
1940	Above Normal	19%	4%	1%	-1%	0%	0%	0%	0%	20%	4%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	9%	10%	4%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	11%	20%	0%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	-1%	4%	4%	4%	3%
1944	Dry	-1%	-63%	1%	-7%	-2%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-7%	0%	0%	12%	12%	2%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	28%	0%	1%	0%
1947	Dry	0%	-1%	-1%	-3%	0%	-3%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-4%	-4%	-2%	0%	1%	-1%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1950	Below Normal	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	19%	2%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-7%	-4%	-12%	-15%
1953	Wet	-16%	-16%	-17%	1%	19%	55%	4%	3%	140%	-8%	-8%	-7%
1954	Above Normal	-6%	-6%	-4%	33%	36%	9%	0%	0%	6%	2%	-2%	-2%
1955	Dry	-2%	-2%	-3%	-3%	3%	2%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	3%	-16%	0%	0%	0%	0%	11%	11%	4%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-2%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	61%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	274%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	26%	10%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	42%	7%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	-1%	7%	5%	-8%	-2%	0%	0%	14%	0%	0%	0%
1969	Wet	0%	0%	1%	0%	0%	0%	-2%	2%	0%	2%	2%	3%
1970	Wet	3%	3%	3%	0%	0%	0%	11%	-1%	20%	12%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	4%	1%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	15%	5%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	14%	14%	0%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	16%	4%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1977	Critical	0%	0%	-3%	0%	0%	0%	0%	-2%	0%	0%	0%	1%
1978	Above Normal	0%	0%	0%	0%	0%	-6%	-1%	1%	12%	8%	14%	1%
1979	Below Normal	-2%	-3%	-7%	-18%	-17%	-7%	-4%	-4%	11%	11%	-4%	-4%
1980	Above Normal	-5%	-5%	-5%	6%	0%	0%	-18%	-15%	-8%	-9%	-9%	-15%
1981	Dry	-16%	1%	-24%	34%	77%	53%	9%	9%	>1,000%	-6%	-5%	-5%
1982	Wet	-4%	-4%	-3%	6%	3%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	7%	0%	0%	0%	9%	-3%	4%	0%	1%	2%
1984	Wet	2%	2%	-21%	0%	0%	0%	0%	0%	19%	13%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-17%	0%	5%	0%	0%	0%	0%	0%
1987	Dry	0%	36%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	0%	-1%	0%	0%	0%	0%	-5%	2%
1990	Critical	1%	1%	1%	-2%	-2%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	6%	0%	-7%	-7%	0%	0%	0%	0%	46%	13%	0%	0%
1994	Critical	0%	0%	0%	1%	1%	0%	0%	0%	2%	0%	0%	0%
1995	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	2%	-9%	2%	4%
1996	Wet	-26%	-98%	-26%	0%	0%	0%	0%	0%	14%	15%	0%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	10%	9%	5%	0%
1998	Wet	0%	0%	0%	0%	0%	-1%	1%	-1%	14%	14%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	16%	13%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	17%	3%	0%	0%
2001	Dry	0%	0%	-1%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%	-2%	0%
2003	Above Normal	9%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	-1%	-1%	1%	1%	1%	0%	0%	11%	3%	1%	-1%
Wet		-2%	-4%	-2%	0%	0%	2%	1%	-1%	14%	6%	0%	0%
Above Normal		2%	0%	-1%	3%	3%	0%	-2%	-1%	11%	4%	0%	-1%
Below Normal		0%	5%	1%	-2%	-3%	-1%	0%	0%	27%	2%	0%	0%
Dry		-1%	-1%	-1%	2%	4%	2%	0%	0%	1%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	4%	-1%	0%	0%	0%	5%	0%

Percent Difference in Energy Use (GWh) At Pumping Plant at Chrisman: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	16%	20%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	30%	3%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	18%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	2%	0%	0%	26%	10%	0%	0%
1933	Critical	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	18%	43%	-10%	3%	3%	5%	68%	0%
1935	Below Normal	-3%	8%	12%	1%	0%	-1%	0%	1%	1%	1%	1%	0%
1936	Below Normal	-2%	-2%	-4%	-11%	-9%	0%	0%	0%	14%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	5%	6%	3%	17%	0%	0%	2%	2%	0%	1%	1%	1%
1939	Dry	5%	5%	3%	28%	-3%	-14%	-15%	-16%	40%	-9%	15%	-15%
1940	Above Normal	20%	4%	1%	-1%	0%	0%	0%	0%	26%	8%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	17%	26%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	8%	8%	8%	8%
1944	Dry	1%	-58%	1%	-8%	-7%	-3%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-7%	0%	0%	17%	16%	6%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	34%	1%	1%	0%
1947	Dry	0%	-1%	-1%	-3%	0%	-3%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-4%	-4%	-2%	0%	2%	-2%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1950	Below Normal	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	24%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-3%	-1%	-9%	-15%
1953	Wet	-16%	-16%	-17%	1%	19%	57%	4%	3%	164%	-9%	-8%	-7%
1954	Above Normal	-6%	-6%	-4%	34%	36%	9%	-1%	0%	6%	2%	-2%	-2%
1955	Dry	-2%	-2%	-3%	-4%	3%	2%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	3%	-16%	0%	0%	0%	0%	15%	15%	8%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-2%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	3%	78%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	828%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	32%	15%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	53%	12%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	5%	7%	15%	-8%	-3%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	1%	1%	0%	0%	0%	-2%	2%	3%	3%	4%	4%
1970	Wet	8%	9%	4%	0%	0%	0%	11%	-1%	25%	17%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	4%	1%	1%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	20%	9%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	19%	19%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1977	Critical	0%	0%	-3%	0%	0%	0%	0%	-3%	0%	0%	0%	1%
1978	Above Normal	0%	0%	0%	0%	0%	-7%	-1%	1%	16%	12%	19%	1%
1979	Below Normal	-2%	-3%	-7%	-19%	-17%	-7%	-4%	-4%	16%	15%	-4%	-4%
1980	Above Normal	-5%	-5%	-5%	6%	0%	0%	-18%	-15%	-5%	-5%	-6%	-13%
1981	Dry	-16%	1%	-24%	34%	77%	54%	9%	9%	>1,000%	-6%	-5%	-5%
1982	Wet	-4%	-4%	-3%	6%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	5%	6%	13%	0%	0%	0%	9%	-3%	7%	0%	4%	3%
1984	Wet	2%	2%	-22%	0%	0%	0%	0%	0%	25%	18%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-17%	0%	5%	0%	0%	0%	0%	0%
1987	Dry	3%	54%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	0%	-1%	0%	0%	0%	0%	-5%	2%
1990	Critical	1%	1%	1%	-2%	-2%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	6%	0%	-7%	-7%	0%	0%	0%	0%	66%	18%	0%	0%
1994	Critical	0%	0%	0%	1%	0%	0%	0%	0%	3%	0%	0%	0%
1995	Wet	-5%	0%	0%	0%	0%	0%	0%	0%	6%	-10%	6%	7%
1996	Wet	-21%	-99%	-26%	0%	0%	0%	0%	0%	19%	21%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	-1%	1%	-1%	19%	19%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	21%	18%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	23%	8%	0%	0%
2001	Dry	0%	0%	-1%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%	-3%	0%
2003	Above Normal	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	-1%	1%	1%	1%	0%	0%	21%	4%	2%	0%
Wet		-1%	-4%	-2%	0%	0%	2%	1%	-1%	19%	9%	2%	0%
Above Normal		2%	-1%	-1%	3%	3%	0%	-2%	0%	16%	7%	2%	-1%
Below Normal		0%	6%	1%	0%	-3%	-1%	0%	0%	67%	4%	0%	0%
Dry		0%	0%	-1%	3%	4%	2%	0%	0%	4%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	4%	-1%	0%	1%	0%	6%	0%

Difference in Energy Use (GWh) At Pumping Plant at Edmonston: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.01	(0.01)	0.01	56.00	73.06	27.50	0.01	13.05
1923	Below Normal	(0.01)	(0.02)	(0.04)	(0.02)	(0.20)	(2.31)	(0.06)	0.21	102.10	10.35	0.47	0.23	9.23
1924	Critical	(0.09)	(0.12)	(0.42)	(1.27)	(1.09)	(0.30)	0.05	0.07	0.07	0.07	0.06	0.06	(0.24)
1925	Dry	0.04	0.02	0.02	0.01	(0.04)	(1.20)	0.19	0.23	0.23	0.25	0.26	0.23	0.02
1926	Dry	0.19	0.18	0.15	0.00	(0.09)	(0.09)	(0.24)	(0.20)	(0.20)	(0.21)	(0.23)	(0.20)	(0.08)
1927	Wet	(0.16)	(0.16)	(0.12)	0.01	(0.15)	0.00	0.01	0.01	67.18	44.63	0.00	0.00	9.27
1928	Above Normal	0.01	0.01	0.00	(0.01)	(0.22)	0.00	0.01	0.02	0.02	0.01	0.02	0.02	(0.01)
1929	Critical	0.02	0.02	0.02	0.00	(0.01)	(0.03)	(0.05)	(0.07)	(0.07)	(0.07)	(0.07)	(0.05)	(0.03)
1930	Dry	(0.07)	(0.13)	0.10	0.00	(0.01)	(0.02)	(0.01)	0.00	(0.01)	(0.01)	(0.02)	(0.01)	(0.02)
1931	Critical	(0.03)	(0.02)	(0.02)	0.00	(0.01)	0.01	(0.05)	(0.07)	(0.08)	(0.08)	(0.07)	(0.06)	(0.04)
1932	Dry	(0.04)	(0.04)	(0.02)	(0.04)	0.00	5.78	(0.01)	0.00	78.35	33.44	(0.02)	(0.02)	9.78
1933	Critical	(0.03)	(0.04)	(0.04)	0.00	(5.71)	(0.01)	0.00	0.00	0.01	0.00	0.01	0.00	(0.48)
1934	Critical	0.00	0.00	0.01	0.00	10.13	49.66	(23.29)	9.51	7.27	14.57	107.52	0.00	14.62
1935	Below Normal	(8.30)	17.25	18.76	0.27	(0.35)	(1.19)	(5.29)	0.68	2.20	4.20	5.64	1.08	2.91
1936	Below Normal	(5.19)	(5.69)	(11.45)	(19.97)	(18.61)	0.01	(0.06)	(0.07)	58.67	52.99	(0.07)	(0.07)	4.21
1937	Below Normal	(0.05)	(0.04)	(0.03)	0.00	0.00	(0.03)	0.00	0.00	11.68	10.83	8.77	8.23	3.28
1938	Wet	24.33	24.18	13.03	49.38	0.00	(0.57)	12.71	10.58	0.61	7.05	5.76	5.23	12.69
1939	Dry	22.29	23.33	11.59	88.61	(11.13)	(36.99)	(51.44)	(61.66)	36.11	(41.30)	27.37	(65.73)	(4.91)
1940	Above Normal	18.68	2.95	4.86	(0.25)	0.19	0.03	0.06	0.08	78.99	32.86	0.12	0.11	11.56
1941	Wet	0.10	0.08	0.07	(0.16)	(0.01)	(1.33)	(1.26)	(1.35)	54.66	61.26	36.54	(1.33)	12.27
1942	Wet	(1.30)	(1.23)	(1.23)	(0.12)	0.00	(2.02)	(0.05)	0.06	56.08	91.22	9.60	0.07	12.59
1943	Wet	(0.06)	(0.06)	(0.18)	(0.56)	(3.64)	(3.08)	(2.18)	(2.27)	36.48	36.57	35.54	33.71	10.86
1944	Dry	2.88	(3.67)	3.44	(13.27)	(11.84)	(3.85)	(0.05)	(0.06)	(0.06)	(0.06)	(0.06)	(0.05)	(2.22)
1945	Below Normal	(0.04)	(0.03)	(0.03)	0.04	(0.01)	(35.63)	0.57	0.59	65.55	66.96	25.76	0.58	10.36
1946	Below Normal	0.58	0.56	0.55	(0.09)	0.00	(0.91)	(1.36)	0.33	109.26	4.52	1.65	0.42	9.63
1947	Dry	(1.34)	(1.46)	(3.14)	(6.49)	0.44	(6.07)	1.13	1.18	1.16	1.19	1.20	1.16	(0.92)
1948	Below Normal	1.14	1.08	1.07	(8.68)	(7.74)	(2.84)	0.08	2.48	(0.36)	0.24	0.00	0.74	(1.07)
1949	Dry	0.41	0.31	(1.00)	(0.23)	(0.23)	(0.27)	(1.01)	(0.09)	0.14	0.45	(2.75)	1.16	(0.26)
1950	Below Normal	0.45	1.18	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.01	0.35	0.32	86.92	25.51	0.33	0.31	9.48
1952	Wet	0.31	0.30	0.29	0.01	0.00	(0.03)	(1.73)	(71.12)	(14.08)	(2.52)	(41.06)	(69.94)	(16.63)
1953	Wet	(69.02)	(65.15)	(64.93)	3.22	72.12	149.09	10.21	9.69	211.44	(34.44)	(33.79)	(26.73)	13.48
1954	Above Normal	(16.51)	(15.15)	(8.10)	20.50	80.15	18.06	(1.77)	(0.69)	22.09	9.12	(9.11)	(8.15)	7.54
1955	Dry	(6.63)	(5.17)	(5.17)	(1.90)	2.39	3.91	6.73	8.06	8.23	8.78	9.06	7.99	2.94
1956	Wet	6.74	6.21	5.12	(50.37)	0.00	0.05	1.31	1.17	61.46	63.35	35.20	1.15	10.95
1957	Above Normal	1.12	1.08	1.07	0.25	(0.06)	(5.30)	(0.05)	(0.16)	(5.13)	0.25	0.98	0.89	(0.42)
1958	Wet	0.72	0.65	0.52	(0.07)	(0.26)	(0.22)	(0.22)	(0.23)	0.17	2.02	0.26	(0.10)	0.27
1959	Below Normal	15.64	115.81	(0.40)	16.95	0.02	0.09	0.00	0.00	0.00	0.00	0.01	0.00	12.34
1960	Dry	0.00	0.00	0.00	0.02	0.02	(0.43)	0.08	0.05	0.40	(0.04)	1.28	(0.42)	0.08
1961	Dry	(0.32)	(0.29)	(0.20)	0.13	0.13	0.06	0.03	0.04	0.04	0.04	(0.16)	0.10	(0.03)
1962	Below Normal	0.00	(0.36)	(1.32)	0.00	(0.01)	0.06	(0.02)	(0.01)	111.80	(0.03)	(0.03)	(0.03)	9.17
1963	Wet	(0.02)	(0.02)	(0.01)	0.01	0.00	0.01	0.00	0.00	105.34	51.17	(0.01)	0.00	13.04
1964	Dry	0.01	0.01	0.02	0.44	0.01	0.17	(0.03)	(0.07)	(0.08)	(0.09)	(0.10)	(0.06)	0.02
1965	Wet	(0.03)	(0.02)	0.02	0.17	0.02	0.02	(0.06)	0.01	111.28	44.54	(0.16)	(0.30)	12.96
1966	Below Normal	0.58	0.30	0.21	(0.23)	(0.24)	0.01	0.01	(0.01)	(0.02)	(0.03)	(0.03)	(0.02)	0.04
1967	Wet	0.01	0.01	0.04	0.11	0.04	0.12	0.01	0.00	5.03	5.08	3.43	2.69	1.38
1968	Below Normal	18.97	20.38	29.86	32.77	(22.50)	(5.84)	1.26	1.50	0.00	1.95	2.01	1.76	6.84
1969	Wet	1.49	1.38	1.16	(1.00)	0.00	0.02	(10.67)	11.75	16.60	12.90	20.78	19.44	6.15
1970	Wet	35.88	36.67	17.85	0.00	0.00	(0.38)	38.86	(2.47)	88.85	62.65	(2.52)	(2.45)	22.75
1971	Wet	(2.41)	(2.22)	(2.22)	(0.29)	0.00	3.53	0.27	(0.72)	(0.95)	(1.33)	(1.64)	(0.78)	(0.73)
1972	Below Normal	0.36	0.45	1.53	6.34	2.08	1.62	0.31	0.12	0.07	0.00	(0.07)	0.09	1.08
1973	Above Normal	0.32	0.32	0.56	1.05	0.00	0.01	0.00	0.01	75.22	36.59	0.00	0.00	9.51
1974	Wet	0.00	0.00	0.00	0.00	0.00	(0.04)	(3.03)	(1.14)	72.51	75.39	5.20	(1.12)	12.31
1975	Wet	(1.10)	(1.03)	(1.03)	2.29	0.71	(0.61)	(0.52)	(0.55)	77.48	33.23	(0.56)	(0.53)	8.98
1976	Critical	(0.53)	(0.50)	(0.50)	(0.26)	(0.05)	0.39	0.89	0.83	2.00	0.65	(0.93)	1.24	0.25
1977	Critical	0.93	0.86	(5.54)	0.01	0.00	0.00	0.01	(0.73)	0.00	(0.13)	0.00	0.12	(0.37)
1978	Above Normal	0.00	(0.01)	(0.78)	0.00	(0.01)	(23.44)	(5.48)	3.23	61.99	47.64	75.49	4.01	13.55
1979	Below Normal	(7.70)	(8.65)	(19.43)	(39.51)	(35.58)	(29.97)	(15.75)	(16.72)	61.43	61.66	(17.01)	(16.48)	(6.98)
1980	Above Normal	(16.22)	(15.27)	(15.21)	21.93	0.00	(0.41)	(86.79)	(76.61)	(26.10)	(28.45)	(28.76)	(66.14)	(28.17)
1981	Dry	(74.26)	2.25	(111.45)	73.78	169.58	107.50	28.21	33.19	320.30	(26.59)	(24.78)	(19.60)	39.84
1982	Wet	(11.88)	(10.68)	(6.24)	13.80	10.49	(0.30)	(0.15)	(0.15)	9.62	9.83	8.42	7.61	2.53
1983	Wet	23.49	24.76	55.53	0.00	0.00	0.00	40.25	(14.65)	33.15	0.00	21.23	12.74	16.38
1984	Wet	11.12	10.79	(109.75)	0.00	0.00	0.00	0.00	0.00	88.34	68.19	0.00	0.00	5.72
1985	Dry	0.00	0.00	(0.06)	0.00	0.01	(0.01)	0.00	0.00	0.00	0.00	0.01	0.00	0.00
1986	Wet	0.00	0.01	0.00	0.00	(53.29)	(0.49)	25.05	1.22	0.00	1.00	0.62	0.70	(2.10)
1987	Dry	14.78	75.76	0.04	22.78	(0.14)	(0.05)	(0.06)	(0.08)	(0.08)	(0.08)	(0.07)	(0.07)	9.39
1988	Critical	(0.03)	(0.03)	(0.02)	(0.02)	0.07	(0.01)	(0.01)	1.67	1.75	1.71	1.55	1.36	0.67
1989	Dry	0.72	0.59	0.49	(0.16)	(0.14)	(0.60)	(0.88)	0.26	0.54	0.92	(21.56)	6.53	(1.11)
1990	Critical	4.97	4.58	3.19	(3.82)	(2.74)	(0.44)	1.23	1.60	1.69	1.66	1.49	1.32	1.23
1991	Critical	0.87	0.56	0.46	0.29	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.18
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(2.50)	(3.25)	(3.41)	(3.34)	(2.97)	(2.74)	(1.52)
1993	Above Normal	3.55	0.10	(5.51)	(2.58)	0.51	1.00	0.26	(0.17)	82.80	74.80	(0.09)	(0.97)	12.81
1994	Critical	(0.22)	(0.06)	0.12	1.99	1.69	0.26	(0.37)	(0.44)	6.52	(1.98)	(0.04)	0.00	0.62
1995	Wet	(0.81)	(0.08)	0.36	0.00	(0.02)	0.00	0.00	0.00	26.08	(47.41)	28.12	31.81	3.17
1996	Wet	(92.23)	(203.07)	(91.11)	0.33	(0.14)	(0.10)	(1.10)	(1.15)	66.02	75.64	11.40	(1.13)	(19.72)
1997	Wet	(1.11)	(1.05)	(1.05)	(0.13)	0.00	0.01	(0.13)	(0.05)	57.08	58.45	40.82	(0.05)	12.73
1998	Wet	(0.05)	(0.05)	(0.05)	(0.27)	0.00	(3.95)	3.97	(2.33)	73.14	74.01	(1.41)	(1.37)	11.80
1999	Wet	(1.31)	(1.21)	(0.20)	(0.28)	0.00	0.00	(0.01)	(0.01)	74.28	67.52	14.70	(0.01)	12.79
2000	Above Normal	0.00	(0.01)	(0.01)	(0.01)	0.13	(4.05)	(0.77)	0.45	83.44	30.27	1.49	0.53	9.29
2001	Dry	(0.76)	(0.86)	(2.07)	(4.74)	(3.90)	(1.15)	0.22	0.16	0.11	0.26	0.46	0.42	(0.99)
2002	Dry	0.53	0.56	0.25	0.24	(0.01)	(0.03)	(0.46)	(0.48)	(0.47)	(0.48)	(6.41)	1.01	(0.48)
2003	Above Normal	9.79	0.10	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84
Average		(1.17)	0.38	(3.61)	2.45	2.08	2.01	(0.55)	(1.93)	35.08	16.64	4.65	(1.58)	4.54
Wet		(2.97)	(6.96)	(7.08)	0.62	0.99	5.37	4.29	(2.45)	52.99	33.08	7.56	0.36	7.15
Above Normal		0.06	(2.16)	(1.91)	3.41	6.72	(1.17)	(7.85)	(6.13)	43.02	25.14	5.66	(5.78)	4.92
Below Normal		1.17	10.16	1.48	(0.87)	(5.94)	(5.50)	(1.45)	(0.78)	37.31	15.26	1.94	(0.25)	4.38
Dry		(2.31)	5.02											

Percent Difference in Energy Use (GWh) At Pumping Plant at Edmonston: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	16%	20%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	30%	3%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	18%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	2%	0%	0%	26%	10%	0%	0%
1933	Critical	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	18%	43%	-10%	3%	3%	5%	68%	0%
1935	Below Normal	-3%	8%	12%	1%	0%	-1%	0%	1%	1%	1%	1%	0%
1936	Below Normal	-2%	-2%	-4%	-11%	-9%	0%	0%	0%	14%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	5%	6%	3%	17%	0%	0%	2%	2%	0%	1%	1%	1%
1939	Dry	5%	5%	3%	28%	-3%	-14%	-15%	-16%	40%	-9%	15%	-15%
1940	Above Normal	20%	4%	1%	-1%	0%	0%	0%	0%	26%	8%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	17%	26%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	8%	8%	8%	8%
1944	Dry	1%	-58%	1%	-8%	-7%	-3%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-7%	0%	0%	17%	16%	6%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	34%	1%	0%	0%
1947	Dry	0%	-1%	-1%	-3%	0%	-3%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-4%	-4%	-2%	0%	2%	-1%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1950	Below Normal	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	24%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-3%	-1%	-9%	-15%
1953	Wet	-16%	-16%	-17%	1%	19%	57%	4%	3%	164%	-9%	-8%	-7%
1954	Above Normal	-6%	-6%	-4%	34%	36%	9%	-1%	0%	6%	2%	-2%	-2%
1955	Dry	-2%	-2%	-3%	-4%	3%	2%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	3%	-16%	0%	0%	0%	0%	15%	15%	8%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-2%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	3%	78%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	828%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	32%	15%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	53%	12%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	5%	7%	15%	-8%	-3%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	1%	1%	0%	0%	0%	2%	3%	3%	4%	4%	4%
1970	Wet	8%	9%	4%	0%	0%	0%	11%	-1%	25%	17%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	4%	1%	1%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	20%	9%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	19%	19%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1977	Critical	0%	0%	-3%	0%	0%	0%	0%	-3%	0%	-1%	0%	1%
1978	Above Normal	0%	0%	0%	0%	0%	-7%	-1%	1%	16%	12%	19%	1%
1979	Below Normal	-2%	-3%	-7%	-19%	-17%	-7%	-4%	-4%	16%	15%	-4%	-4%
1980	Above Normal	-5%	-5%	-5%	6%	0%	0%	-18%	-15%	-5%	-5%	-6%	-13%
1981	Dry	-16%	1%	-24%	34%	77%	54%	9%	9%	>1,000%	-6%	-5%	-5%
1982	Wet	-4%	-4%	-3%	6%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	5%	6%	13%	0%	0%	0%	9%	-3%	7%	0%	4%	3%
1984	Wet	2%	2%	-22%	0%	0%	0%	0%	0%	25%	18%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-17%	0%	5%	0%	0%	0%	0%	0%
1987	Dry	3%	54%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	0%	-1%	0%	0%	0%	0%	-5%	2%
1990	Critical	1%	1%	1%	-2%	-2%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	6%	0%	-7%	-7%	0%	0%	0%	0%	66%	18%	0%	0%
1994	Critical	0%	0%	0%	1%	0%	0%	0%	0%	3%	0%	0%	0%
1995	Wet	-5%	0%	0%	0%	0%	0%	0%	0%	6%	-10%	6%	7%
1996	Wet	-21%	-99%	-26%	0%	0%	0%	0%	0%	19%	21%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	-1%	1%	-1%	19%	19%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	21%	18%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	23%	8%	0%	0%
2001	Dry	0%	0%	-1%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%	-3%	0%
2003	Above Normal	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	-1%	1%	1%	1%	0%	0%	21%	4%	2%	0%
Wet		-1%	-4%	-2%	0%	0%	2%	1%	-1%	19%	9%	2%	0%
Above Normal		2%	-1%	-1%	3%	3%	0%	-2%	0%	16%	7%	2%	-1%
Below Normal		0%	6%	1%	0%	-3%	-1%	0%	0%	67%	4%	0%	0%
Dry		0%	0%	-1%	3%	4%	2%	0%	0%	4%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	4%	-1%	0%	1%	0%	6%	0%

Energy Use (GWh) At Pumping Plant at Las Perillas: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total	
1922	Above Normal	0.72	0.54	0.48	0.25	0.38	0.62	0.72	0.93	1.14	1.18	1.02	0.76	8.74	
1923	Below Normal	0.50	0.42	0.35	0.47	0.38	0.48	0.60	0.99	1.21	1.26	1.07	0.79	8.52	
1924	Critical	0.42	0.32	0.28	0.07	0.08	0.14	0.25	0.31	0.59	0.61	0.54	0.27	3.88	
1925	Dry	0.17	0.14	0.15	0.07	0.07	0.30	0.66	1.08	1.31	1.37	1.15	0.85	7.32	
1926	Dry	0.43	0.33	0.29	0.07	0.09	0.21	0.35	0.90	1.08	1.13	0.95	0.70	6.53	
1927	Wet	0.36	0.27	0.24	0.15	0.29	0.68	0.77	0.96	1.19	1.23	1.07	0.80	8.01	
1928	Above Normal	0.54	0.46	0.38	0.17	0.22	0.21	0.85	1.06	1.31	1.35	1.17	0.88	8.60	
1929	Critical	0.60	0.52	0.42	0.06	0.06	0.09	0.23	0.35	0.64	0.67	0.59	0.30	4.53	
1930	Dry	0.19	0.16	0.17	0.06	0.09	0.14	0.43	0.61	0.92	0.96	0.83	0.50	5.06	
1931	Critical	0.28	0.23	0.23	0.06	0.09	0.15	0.31	0.39	0.72	0.75	0.66	0.33	4.20	
1932	Dry	0.21	0.18	0.19	0.09	0.15	0.29	0.48	0.79	0.98	1.03	0.87	0.62	5.88	
1933	Critical	0.32	0.24	0.22	0.06	0.20	0.26	0.38	0.63	0.93	0.97	0.84	0.52	5.57	
1934	Critical	0.29	0.23	0.23	0.07	0.08	0.16	0.37	0.46	0.84	0.88	0.77	0.26	4.64	
1935	Below Normal	0.29	0.25	0.26	0.07	0.12	0.21	0.78	1.06	1.30	1.35	1.16	0.86	7.71	
1936	Below Normal	0.54	0.45	0.38	0.07	0.15	0.77	0.83	1.06	1.30	1.35	1.17	0.88	8.95	
1937	Below Normal	0.60	0.52	0.42	0.08	0.19	0.36	1.03	1.28	1.57	1.62	1.41	1.06	10.14	
1938	Wet	0.73	0.63	0.52	0.21	0.46	0.83	1.09	1.36	1.68	1.74	1.50	1.12	11.87	
1939	Dry	0.77	0.66	0.54	0.16	0.18	0.25	0.65	1.08	1.31	1.37	1.15	0.85	8.97	
1940	Above Normal	0.43	0.32	0.28	0.06	0.07	0.27	0.65	1.09	1.32	1.38	1.16	0.86	7.89	
1941	Wet	0.44	0.33	0.29	0.30	0.40	0.68	0.87	1.09	1.35	1.40	1.21	0.90	9.26	
1942	Wet	0.61	0.52	0.43	0.42	0.38	0.55	0.66	0.96	1.18	1.22	1.04	0.77	8.74	
1943	Wet	0.44	0.36	0.30	0.39	0.41	0.64	0.98	1.22	1.51	1.56	1.35	1.01	10.17	
1944	Dry	0.68	0.58	0.48	0.06	0.06	0.16	0.45	0.67	0.95	0.99	0.85	0.54	6.47	
1945	Below Normal	0.30	0.24	0.23	0.13	0.13	0.76	0.83	1.03	1.27	1.31	1.14	0.85	8.22	
1946	Below Normal	0.58	0.50	0.41	0.48	0.43	0.61	0.67	0.90	1.11	1.15	0.99	0.73	8.56	
1947	Dry	0.47	0.40	0.33	0.18	0.16	0.28	0.85	1.06	1.30	1.34	1.16	0.87	8.40	
1948	Below Normal	0.60	0.51	0.42	0.07	0.06	0.09	0.31	0.92	1.12	1.16	0.98	0.72	6.96	
1949	Dry	0.37	0.28	0.25	0.12	0.11	0.19	0.72	1.11	1.35	1.41	1.19	0.88	7.98	
1950	Below Normal	0.48	0.37	0.33	0.07	0.06	0.16	0.59	0.97	0.92	1.27	1.08	0.80	7.10	
1951	Above Normal	0.43	0.33	0.30	0.56	0.52	0.74	0.76	0.99	1.23	1.27	1.10	0.81	9.04	
1952	Wet	0.55	0.47	0.38	0.44	0.46	0.67	0.84	1.27	1.57	1.62	1.40	1.05	10.72	
1953	Wet	0.71	0.61	0.49	0.43	0.22	0.25	0.54	0.94	1.15	1.20	1.01	0.74	8.29	
1954	Above Normal	0.37	0.27	0.24	0.14	0.31	0.30	0.63	1.06	1.29	1.34	1.13	0.83	7.91	
1955	Dry	0.42	0.31	0.28	0.14	0.17	0.24	0.55	0.92	1.11	1.16	0.98	0.72	7.00	
1956	Wet	0.36	0.27	0.24	0.43	0.59	0.84	0.90	1.12	1.39	1.44	1.24	0.92	9.74	
1957	Above Normal	0.62	0.53	0.43	0.13	0.15	0.36	0.64	1.08	1.31	1.37	1.15	0.85	8.62	
1958	Wet	0.43	0.32	0.29	0.18	0.45	0.69	1.09	1.36	1.68	1.74	1.51	1.13	10.87	
1959	Below Normal	0.77	0.66	0.54	0.13	0.19	0.25	0.54	0.90	0.86	1.18	1.00	0.74	7.76	
1960	Dry	0.39	0.30	0.27	0.06	0.06	0.19	0.73	1.13	1.37	1.42	1.21	0.89	8.02	
1961	Dry	0.49	0.38	0.33	0.06	0.08	0.14	0.57	0.93	1.13	1.18	0.99	0.73	7.01	
1962	Below Normal	0.37	0.28	0.25	0.07	0.06	0.25	0.61	1.01	1.22	1.28	1.08	0.79	7.27	
1963	Wet	0.40	0.30	0.27	0.45	0.40	0.59	0.66	0.92	1.14	1.18	1.01	0.75	8.07	
1964	Dry	0.47	0.39	0.32	0.23	0.46	0.46	0.72	0.96	1.18	1.22	1.05	0.78	8.24	
1965	Wet	0.49	0.41	0.34	0.32	0.41	0.60	0.69	0.94	1.16	1.20	1.03	0.76	8.35	
1966	Below Normal	0.47	0.39	0.32	0.44	0.38	0.49	0.61	0.99	1.21	1.26	1.07	0.78	8.41	
1967	Wet	0.42	0.33	0.28	0.18	0.50	0.74	1.09	1.36	1.67	1.73	1.50	1.12	10.92	
1968	Below Normal	0.76	0.65	0.53	0.18	0.22	0.25	0.55	0.91	1.10	1.15	0.97	0.71	7.98	
1969	Wet	0.36	0.26	0.24	0.42	0.47	0.77	1.07	1.33	1.65	1.70	1.47	1.10	10.84	
1970	Wet	0.74	0.64	0.52	0.48	0.43	0.74	0.76	0.97	1.21	1.25	1.08	0.80	9.62	
1971	Wet	0.54	0.46	0.37	0.44	0.39	0.46	0.62	0.99	1.21	1.26	1.07	0.79	8.60	
1972	Below Normal	0.43	0.33	0.29	0.26	0.37	0.52	0.63	1.02	1.24	1.29	1.09	0.80	8.27	
1973	Above Normal	0.42	0.32	0.28	0.20	0.46	0.68	0.79	1.01	1.25	1.30	1.12	0.83	8.66	
1974	Wet	0.57	0.48	0.40	0.48	0.49	0.73	0.85	1.06	1.32	1.36	1.18	0.87	9.79	
1975	Wet	0.59	0.50	0.41	0.32	0.23	0.66	0.78	0.98	1.21	1.25	1.08	0.81	8.82	
1976	Critical	0.55	0.47	0.38	0.15	0.14	0.23	0.63	1.03	1.25	1.31	1.10	0.81	8.05	
1977	Critical	0.41	0.31	0.27	0.06	0.06	0.09	0.16	0.21	0.00	0.00	0.00	0.81	2.38	
1978	Above Normal	0.33	0.25	0.24	0.06	0.18	0.59	0.73	1.00	1.22	1.27	1.09	0.81	7.77	
1979	Below Normal	0.52	0.44	0.37	0.11	0.14	0.70	0.81	1.01	1.25	1.29	1.12	0.84	8.60	
1980	Above Normal	0.57	0.49	0.40	0.20	0.50	0.78	1.08	1.35	1.67	1.73	1.49	1.12	11.39	
1981	Dry	0.76	0.65	0.53	0.11	0.15	0.22	0.57	0.97	1.18	1.23	1.04	0.76	8.17	
1982	Wet	0.39	0.29	0.26	0.39	0.42	0.70	1.08	1.35	1.67	1.73	1.49	1.12	10.89	
1983	Wet	0.76	0.65	0.53	0.54	0.50	0.76	1.05	1.31	1.63	1.68	1.46	1.08	11.95	
1984	Wet	0.81	0.70	0.59	0.62	0.52	0.73	0.75	0.99	1.23	1.27	1.10	0.81	10.12	
1985	Dry	0.55	0.47	0.38	0.45	0.39	0.67	0.75	0.97	1.20	1.24	1.07	0.80	8.94	
1986	Wet	0.54	0.46	0.37	0.06	0.10	0.83	1.08	1.34	1.65	1.70	1.48	1.11	10.72	
1987	Dry	0.76	0.66	0.54	0.06	0.06	0.09	0.23	0.29	0.54	0.56	0.50	0.25	4.54	
1988	Critical	0.16	0.13	0.14	0.07	0.10	0.09	0.17	0.23	0.43	0.44	0.39	0.19	2.54	
1989	Dry	0.12	0.10	0.11	0.10	0.11	0.14	0.78	1.07	1.31	1.36	1.17	0.87	7.24	
1990	Critical	0.54	0.45	0.38	0.06	0.07	0.12	0.27	0.34	0.63	0.65	0.58	0.29	4.38	
1991	Critical	0.18	0.15	0.16	0.07	0.06	0.09	0.18	0.22	0.42	0.44	0.39	0.19	2.55	
1992	Critical	0.12	0.10	0.11	0.06	0.06	0.09	0.25	0.31	0.57	0.59	0.52	0.26	3.04	
1993	Above Normal	0.16	0.14	0.15	0.07	0.41	0.60	0.69	1.00	1.22	1.27	1.08	0.80	7.59	
1994	Critical	0.46	0.37	0.32	0.14	0.14	0.27	0.63	1.04	1.27	1.32	1.11	0.82	7.89	
1995	Wet	0.41	0.31	0.28	0.07	0.34	0.39	0.99	1.24	1.52	1.57	1.37	1.02	9.51	
1996	Wet	0.70	0.60	0.49	0.34	0.27	0.59	0.75	0.94	1.16	1.20	1.04	0.77	8.85	
1997	Wet	0.52	0.45	0.37	0.44	0.45	0.78	0.91	1.13	1.40	1.45	1.26	0.93	10.09	
1998	Wet	0.63	0.54	0.44	0.14	0.40	0.65	0.81	1.03	1.27	1.31	1.14	0.85	9.21	
1999	Wet	0.58	0.57	0.48	0.52	0.52	0.73	0.76	0.99	1.22	1.27	1.09	0.81	9.54	
2000	Above Normal	0.55	0.47	0.38	0.14	0.33	0.46	0.70	1.01	1.24	1.29	1.10	0.81	8.48	
2001	Dry	0.48	0.39	0.33	0.06	0.07	0.16	0.38	0.49	0.86	0.90	0.79	0.42	5.33	
2002	Dry	0.25	0.21	0.22	0.15	0.18	0.24	0.82	1.01	1.25	1.29	1.12	0.84	7.58	
2003	Above Normal	0.57	0.49	0.41	0.20	0.19	0.25	0.54	0.90	1.09	1.14	0.96	0.70	7.44	
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Average		0.48	0.40	0.34	0.21	0.25	0.43	0.67	0.94	1.18	1.23	1.06	0.77	7.96	
Wet		0.54	0.45	0.38	0.35	0.40	0.66	0.86	1.12	1.39	1.43	1.24	0.92	9.75	
Above Normal		0.48	0.38	0.33	0.18	0.31	0.49	0.73	1.04	1.27	1.32	1.13	0.84	8.51	
Below Normal		0.52	0.43	0.36	0.19	0.21	0.42	0.67	1.00	1.19	1.28	1.10	0.81	8.18	
Dry		0.44	0.37	0.32	0.12	0.15	0.24	0.59	0.89	1.13	1.18	1.00	0.72	7.15	
Critical		0.36	0.29	0.26	0.08										

Energy Use (GWh) At Pumping Plant at Las Perillas: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.72	0.54	0.48	0.25	0.38	0.62	0.72	0.93	1.14	1.18	1.02	0.76	8.74
1923	Below Normal	0.50	0.42	0.35	0.47	0.38	0.48	0.60	0.99	1.21	1.26	1.07	0.79	8.52
1924	Critical	0.42	0.32	0.28	0.07	0.08	0.14	0.25	0.31	0.59	0.61	0.54	0.27	3.88
1925	Dry	0.17	0.14	0.15	0.07	0.07	0.30	0.66	1.08	1.31	1.37	1.15	0.85	7.32
1926	Dry	0.44	0.33	0.29	0.07	0.09	0.21	0.35	0.90	1.08	1.13	0.95	0.70	6.54
1927	Wet	0.36	0.27	0.24	0.15	0.29	0.68	0.77	0.96	1.19	1.23	1.07	0.80	8.01
1928	Above Normal	0.54	0.46	0.38	0.17	0.22	0.21	0.85	1.06	1.31	1.35	1.17	0.88	8.60
1929	Critical	0.60	0.52	0.42	0.06	0.06	0.09	0.23	0.35	0.64	0.67	0.59	0.30	4.53
1930	Dry	0.19	0.16	0.17	0.06	0.09	0.14	0.43	0.61	0.92	0.96	0.83	0.50	5.06
1931	Critical	0.28	0.23	0.23	0.06	0.09	0.15	0.31	0.39	0.72	0.75	0.66	0.33	4.20
1932	Dry	0.21	0.18	0.19	0.09	0.15	0.29	0.48	0.79	0.98	1.03	0.87	0.62	5.88
1933	Critical	0.32	0.24	0.22	0.06	0.20	0.26	0.38	0.63	0.93	0.97	0.84	0.52	5.57
1934	Critical	0.29	0.23	0.23	0.07	0.10	0.19	0.41	0.58	0.90	0.94	0.82	0.30	5.06
1935	Below Normal	0.34	0.28	0.28	0.07	0.12	0.21	0.77	1.08	1.31	1.36	1.17	0.87	7.86
1936	Below Normal	0.53	0.43	0.37	0.07	0.16	0.77	0.83	1.06	1.30	1.35	1.17	0.88	8.92
1937	Below Normal	0.60	0.52	0.42	0.08	0.19	0.36	1.03	1.28	1.57	1.62	1.41	1.06	10.14
1938	Wet	0.73	0.63	0.52	0.20	0.45	0.81	1.10	1.37	1.69	1.74	1.51	1.13	11.88
1939	Dry	0.77	0.66	0.54	0.13	0.14	0.20	0.55	0.91	0.87	1.19	1.01	0.75	7.72
1940	Above Normal	0.40	0.30	0.27	0.06	0.07	0.27	0.65	1.09	1.32	1.38	1.16	0.86	7.83
1941	Wet	0.44	0.33	0.29	0.30	0.40	0.67	0.87	1.09	1.35	1.40	1.21	0.90	9.25
1942	Wet	0.61	0.52	0.43	0.42	0.38	0.55	0.66	0.96	1.18	1.23	1.04	0.77	8.75
1943	Wet	0.44	0.35	0.30	0.39	0.41	0.63	0.97	1.21	1.50	1.55	1.34	1.00	10.09
1944	Dry	0.68	0.26	0.79	0.06	0.06	0.16	0.45	0.67	0.95	0.99	0.85	0.54	6.46
1945	Below Normal	0.30	0.24	0.23	0.13	0.13	0.75	0.83	1.03	1.27	1.31	1.14	0.85	8.21
1946	Below Normal	0.58	0.50	0.41	0.48	0.43	0.61	0.67	0.90	1.12	1.16	0.99	0.73	8.58
1947	Dry	0.47	0.39	0.32	0.18	0.16	0.28	0.85	1.06	1.30	1.35	1.17	0.88	8.41
1948	Below Normal	0.60	0.52	0.42	0.07	0.06	0.09	0.31	0.93	1.12	1.17	0.98	0.72	6.99
1949	Dry	0.37	0.28	0.25	0.11	0.11	0.19	0.71	1.11	1.35	1.41	1.19	0.88	7.96
1950	Below Normal	0.48	0.37	0.32	0.07	0.06	0.16	0.59	0.97	0.92	1.27	1.08	0.80	7.09
1951	Above Normal	0.43	0.33	0.30	0.55	0.52	0.74	0.76	0.99	1.23	1.27	1.10	0.82	9.04
1952	Wet	0.55	0.47	0.38	0.44	0.46	0.67	0.84	1.08	1.34	1.39	1.20	0.89	9.71
1953	Wet	0.60	0.51	0.42	0.49	0.37	0.42	0.59	1.00	1.23	1.28	1.08	0.79	8.78
1954	Above Normal	0.41	0.31	0.27	0.14	0.36	0.34	0.63	1.07	1.30	1.36	1.14	0.84	8.17
1955	Dry	0.42	0.31	0.28	0.15	0.18	0.25	0.57	0.94	1.14	1.19	1.00	0.73	7.16
1956	Wet	0.37	0.28	0.25	0.42	0.58	0.84	0.90	1.13	1.39	1.44	1.25	0.93	9.78
1957	Above Normal	0.63	0.53	0.43	0.13	0.15	0.35	0.64	1.08	1.31	1.37	1.15	0.85	8.62
1958	Wet	0.43	0.32	0.29	0.18	0.45	0.69	1.09	1.36	1.68	1.74	1.50	1.13	10.86
1959	Below Normal	0.77	0.66	0.54	0.13	0.19	0.25	0.54	0.90	0.86	1.18	1.00	0.74	7.76
1960	Dry	0.39	0.30	0.27	0.06	0.06	0.19	0.73	1.13	1.37	1.42	1.21	0.89	8.02
1961	Dry	0.49	0.38	0.33	0.06	0.08	0.14	0.57	0.93	1.13	1.18	0.99	0.73	7.01
1962	Below Normal	0.33	0.30	0.27	0.07	0.06	0.25	0.61	1.01	1.22	1.28	1.08	0.79	7.27
1963	Wet	0.40	0.30	0.27	0.45	0.40	0.59	0.66	0.92	1.14	1.18	1.01	0.75	8.07
1964	Dry	0.47	0.39	0.32	0.23	0.46	0.46	0.72	0.96	1.18	1.22	1.05	0.78	8.24
1965	Wet	0.49	0.41	0.34	0.32	0.41	0.60	0.69	0.94	1.16	1.20	1.03	0.76	8.35
1966	Below Normal	0.47	0.39	0.32	0.44	0.38	0.49	0.61	0.99	1.21	1.26	1.06	0.78	8.40
1967	Wet	0.42	0.33	0.28	0.18	0.50	0.74	1.09	1.36	1.67	1.73	1.50	1.12	10.92
1968	Below Normal	0.76	0.65	0.53	0.18	0.21	0.25	0.55	0.91	1.11	1.16	0.97	0.71	7.99
1969	Wet	0.36	0.27	0.24	0.42	0.47	0.77	1.07	1.33	1.65	1.70	1.47	1.10	10.85
1970	Wet	0.75	0.64	0.52	0.47	0.42	0.72	0.76	0.97	1.20	1.24	1.07	0.79	9.55
1971	Wet	0.53	0.46	0.37	0.44	0.39	0.47	0.62	0.98	1.21	1.26	1.06	0.78	8.57
1972	Below Normal	0.43	0.34	0.29	0.26	0.37	0.52	0.63	1.01	1.24	1.29	1.09	0.80	8.27
1973	Above Normal	0.42	0.32	0.28	0.20	0.46	0.68	0.79	1.01	1.25	1.30	1.12	0.83	8.66
1974	Wet	0.57	0.48	0.40	0.48	0.49	0.73	0.85	1.06	1.31	1.36	1.17	0.87	9.77
1975	Wet	0.59	0.50	0.41	0.32	0.23	0.66	0.78	0.98	1.21	1.25	1.08	0.81	8.82
1976	Critical	0.55	0.47	0.38	0.15	0.14	0.23	0.63	1.04	1.26	1.31	1.10	0.81	8.07
1977	Critical	0.41	0.31	0.27	0.06	0.06	0.09	0.16	0.21	0.00	0.00	0.00	0.81	2.38
1978	Above Normal	0.23	0.30	0.28	0.06	0.18	0.55	0.71	1.03	1.25	1.30	1.11	0.83	7.83
1979	Below Normal	0.50	0.41	0.35	0.11	0.14	0.67	0.77	0.97	1.19	1.23	1.07	0.80	8.21
1980	Above Normal	0.55	0.47	0.39	0.33	0.50	0.77	0.91	1.17	1.45	1.50	1.29	0.96	10.29
1981	Dry	0.65	0.56	0.45	0.15	0.27	0.37	0.64	1.08	1.31	1.36	1.15	0.85	8.84
1982	Wet	0.43	0.33	0.29	0.39	0.42	0.70	1.08	1.35	1.67	1.73	1.49	1.12	11.00
1983	Wet	0.76	0.65	0.53	0.54	0.50	0.76	1.05	1.31	1.63	1.68	1.46	1.08	11.95
1984	Wet	0.81	0.70	0.59	0.62	0.52	0.73	0.75	0.99	1.23	1.27	1.10	0.81	10.12
1985	Dry	0.55	0.47	0.38	0.45	0.39	0.67	0.75	0.97	1.20	1.24	1.07	0.80	8.94
1986	Wet	0.54	0.46	0.37	0.06	0.10	0.81	1.08	1.34	1.65	1.71	1.48	1.11	10.71
1987	Dry	0.76	0.66	0.54	0.06	0.06	0.09	0.23	0.29	0.54	0.56	0.50	0.25	4.54
1988	Critical	0.16	0.13	0.14	0.07	0.10	0.09	0.17	0.23	0.43	0.45	0.40	0.20	2.57
1989	Dry	0.12	0.10	0.11	0.10	0.11	0.14	0.78	1.08	1.32	1.37	1.17	0.87	7.27
1990	Critical	0.54	0.44	0.37	0.06	0.07	0.12	0.27	0.34	0.63	0.66	0.58	0.29	4.37
1991	Critical	0.18	0.15	0.17	0.07	0.06	0.09	0.18	0.22	0.42	0.44	0.39	0.19	2.56
1992	Critical	0.12	0.10	0.11	0.06	0.06	0.09	0.24	0.30	0.56	0.58	0.51	0.26	2.99
1993	Above Normal	0.16	0.14	0.15	0.07	0.41	0.61	0.69	0.99	1.22	1.27	1.08	0.80	7.59
1994	Critical	0.47	0.37	0.32	0.14	0.14	0.27	0.63	1.04	1.26	1.32	1.11	0.82	7.89
1995	Wet	0.41	0.31	0.28	0.07	0.34	0.39	0.99	1.24	1.52	1.57	1.37	1.02	9.51
1996	Wet	0.70	0.16	0.93	0.34	0.27	0.59	0.75	0.93	1.15	1.19	1.03	0.77	8.81
1997	Wet	0.52	0.45	0.36	0.44	0.45	0.78	0.91	1.13	1.40	1.45	1.26	0.93	10.08
1998	Wet	0.63	0.54	0.44	0.14	0.40	0.65	0.81	1.02	1.26	1.30	1.13	0.84	9.16
1999	Wet	0.57	0.49	0.48	0.52	0.52	0.73	0.76	0.99	1.22	1.27	1.09	0.81	9.45
2000	Above Normal	0.55	0.47	0.38	0.14	0.33	0.45	0.70	1.02	1.24	1.29	1.10	0.82	8.49
2001	Dry	0.48	0.39	0.33	0.06	0.07	0.16	0.38	0.49	0.86	0.90	0.79	0.42	5.33
2002	Dry	0.25	0.21	0.22	0.15	0.18	0.24	0.81	1.01	1.25	1.29	1.12	0.84	7.57
2003	Above Normal	0.57	0.49	0.41	0.20	0.19	0.25	0.54	0.90	1.09	1.14	0.96	0.70	7.44
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	Average	0.48	0.38	0.35	0.21	0.26	0.43	0.67	0.94	1.17	1.23	1.05	0.77	7.93
	Wet	0.54	0.43	0.39	0.35	0.41	0.67	0.87	1.12	1.38	1.43	1.23	0.92	9.72
	Above Normal	0.47	0.39	0.34	0.19	0.31	0.49	0.72	1.03	1.26	1.31	1.12	0.83	8.44
	Below Normal	0.51	0.43	0.36	0.19	0.21	0.42	0.67	1.00	1.19	1.28	1.09	0.81	8.16
	Dry	0.44	0.34	0.33	0.12	0.15	0.25	0.59	0.89	1.11	1.18	1.00	0.72	7.13
	Critical	0.36	0.29	0.26	0.08	0.10	0.15	0.32	0.47	0.70	0.73	0.63	0.43	4.51</

Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1923	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1924	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1926	Dry	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1927	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1928	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1932	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1933	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1934	Critical	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.12	0.06	0.06	0.05	0.04	0.04
1935	Below Normal	0.05	0.03	0.02	0.00	0.00	0.00	(0.01)	0.02	0.01	0.01	0.01	0.01	0.01
1936	Below Normal	(0.01)	(0.02)	(0.01)	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1938	Wet	0.00	0.00	0.00	(0.01)	(0.01)	(0.02)	0.01	0.01	0.01	0.00	0.01	0.01	0.00
1939	Dry	0.00	0.00	0.00	(0.03)	(0.04)	(0.05)	(0.10)	(0.17)	(0.44)	(0.18)	(0.14)	(0.10)	(0.10)
1940	Above Normal	(0.03)	(0.02)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1941	Wet	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1942	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
1943	Wet	0.00	(0.01)	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
1944	Dry	0.00	(0.32)	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1946	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
1947	Dry	0.00	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
1948	Below Normal	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
1949	Dry	0.00	0.00	0.00	(0.01)	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00
1950	Below Normal	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1951	Above Normal	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1952	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.19)	(0.23)	(0.23)	(0.20)	(0.16)	(0.08)
1953	Wet	(0.11)	(0.10)	(0.07)	0.06	0.15	0.17	0.05	0.06	0.08	0.08	0.07	0.05	0.04
1954	Above Normal	0.04	0.04	0.03	0.00	0.05	0.04	0.00	0.01	0.01	0.02	0.01	0.01	0.02
1955	Dry	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.02	0.01	0.01
1956	Wet	0.01	0.01	0.01	(0.01)	(0.01)	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00
1957	Above Normal	0.01	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1958	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00
1959	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1960	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1961	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1962	Below Normal	(0.04)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1964	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1966	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1968	Below Normal	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
1969	Wet	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1970	Wet	0.01	0.00	0.00	(0.01)	(0.01)	(0.02)	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
1971	Wet	(0.01)	0.00	0.00	0.00	0.00	0.01	0.00	(0.01)	0.00	0.00	(0.01)	(0.01)	0.00
1972	Below Normal	0.00	0.01	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00
1973	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1974	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	(0.01)	0.00	0.00
1975	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1976	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00
1977	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1978	Above Normal	(0.10)	0.05	0.04	0.00	0.00	(0.04)	(0.02)	0.03	0.03	0.03	0.02	0.02	0.01
1979	Below Normal	(0.02)	(0.03)	(0.02)	0.00	0.00	(0.03)	(0.04)	(0.04)	(0.06)	(0.06)	(0.05)	(0.04)	(0.03)
1980	Above Normal	(0.02)	(0.02)	(0.01)	0.13	(0.01)	(0.01)	(0.17)	(0.18)	(0.22)	(0.23)	(0.20)	(0.16)	(0.09)
1981	Dry	(0.11)	(0.09)	(0.08)	0.04	0.12	0.15	0.07	0.11	0.13	0.13	0.11	0.09	0.06
1982	Wet	0.04	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1983	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	0.00	(0.02)	0.00	0.00	0.00	0.01	0.00	0.00	0.00
1987	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
1989	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
1990	Critical	0.00	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
1991	Critical	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	0.00	0.00
1993	Above Normal	0.00	0.00	0.00	0.00	0.00	0.01	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00
1994	Critical	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00
1995	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1996	Wet	0.00	(0.44)	0.44	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	0.00	0.00
1997	Wet	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1998	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	0.00
1999	Wet	(0.01)	(0.08)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.01	0.00	0.00	0.00	0.01	0.00
2001	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2002	Dry	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average		(0.00)	(0.01)	0.01	0.00	0.00	0.00	(0.00)	(0.00)	(0.01)	(0.00)	(0.00)	(0.00)	(0.00)
Wet		(0.00)	(0.02)	0.02	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.00)
Above Normal		(0.01)	0.00	0.00	0.01	0.00	(0.00)	(0.02)	(0.01)	(0.02)	(0.02)	(0.01)	(0.01)	(0.01)
Below Normal		(0.00)	0.00	0.00	0.00	0.00	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)	(0.00)
Dry		(0.01)	(0.02)	0.01	0.00	0.01	0.01	(0.00)	(0.00)	(0.02)	0.00	0.00	0.00	(0.00)
Critical		0.00	(0.00)	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00</	

Percent Difference in Energy Use (GWh) At Pumping Plant at Las Perillas: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	25%	19%	11%	26%	7%	7%	6%	15%
1935	Below Normal	17%	12%	8%	0%	0%	0%	-1%	2%	1%	1%	1%	1%
1936	Below Normal	-2%	-4%	-3%	0%	7%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	-5%	-2%	-2%	1%	1%	1%	0%	1%	1%
1939	Dry	0%	0%	0%	-19%	-22%	-20%	-15%	-16%	-34%	-13%	-12%	-12%
1940	Above Normal	-7%	-6%	-4%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%
1943	Wet	0%	-3%	0%	0%	0%	-2%	-1%	-1%	-1%	-1%	-1%	-1%
1944	Dry	0%	-55%	65%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1947	Dry	0%	-3%	-3%	0%	0%	0%	0%	0%	0%	1%	1%	1%
1948	Below Normal	0%	2%	0%	0%	0%	0%	0%	1%	0%	1%	0%	0%
1949	Dry	0%	0%	0%	-8%	0%	0%	-1%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	1%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-15%	-14%	-14%	-15%
1953	Wet	-15%	-16%	-14%	14%	68%	6%	9%	6%	7%	7%	7%	7%
1954	Above Normal	11%	15%	13%	0%	16%	13%	0%	1%	1%	1%	1%	1%
1955	Dry	0%	0%	0%	7%	6%	4%	4%	2%	3%	3%	2%	1%
1956	Wet	3%	4%	4%	-2%	-2%	0%	0%	1%	0%	0%	1%	1%
1957	Above Normal	2%	0%	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	-11%	7%	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	0%	-5%	0%	0%	0%	1%	1%	0%	0%
1969	Wet	0%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1970	Wet	1%	0%	0%	-2%	-2%	-3%	0%	0%	-1%	-1%	-1%	-1%
1971	Wet	-2%	0%	0%	0%	0%	2%	0%	-1%	0%	0%	-1%	-1%
1972	Below Normal	0%	3%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	-1%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-30%	20%	17%	0%	0%	-7%	-3%	3%	2%	2%	2%	2%
1979	Below Normal	-4%	-7%	-5%	0%	0%	-4%	-5%	-4%	-5%	-5%	-4%	-5%
1980	Above Normal	-4%	-4%	-3%	65%	-2%	-1%	-16%	-13%	-13%	-13%	-13%	-14%
1981	Dry	-14%	-14%	-15%	36%	80%	68%	12%	11%	11%	11%	11%	12%
1982	Wet	10%	14%	12%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	-2%	0%	0%	0%	1%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	2%	3%	5%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%	0%
1990	Critical	0%	-2%	-3%	0%	0%	0%	0%	0%	0%	2%	0%	0%
1991	Critical	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-4%	-3%	-2%	-2%	-2%	0%
1993	Above Normal	0%	0%	0%	0%	0%	2%	0%	-1%	0%	0%	0%	0%
1994	Critical	2%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	-73%	90%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	0%
1997	Wet	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%
1999	Wet	-2%	-14%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-2%	0%	1%	0%	0%	0%	1%
2001	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		-1%	-1%	2%	1%	2%	2%	0%	0%	0%	0%	0%	0%
Wet		0%	-3%	3%	0%	2%	2%	0%	0%	0%	0%	0%	0%
Above Normal		-2%	2%	2%	5%	1%	0%	-2%	-1%	-1%	-1%	-1%	-1%
Below Normal		0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Dry		-1%	-4%	3%	1%	4%	3%	0%	0%	-1%	0%	0%	0%
Critical		0%	0%	0%	0%	2%	2%	1%	2%	0%	1%	1%	2%

Energy Use (GWh) At Pumping Plant at Oso: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	26.99	22.85	15.14	2.88	14.50	18.02	17.81	17.44	16.15	16.99	16.73	15.89	201.39
1923	Below Normal	12.69	11.66	10.42	17.39	20.97	18.16	17.72	17.65	16.66	19.48	18.17	15.39	196.36
1924	Critical	11.23	10.28	6.99	4.71	4.48	6.48	8.95	8.64	8.04	9.59	7.28	5.35	92.02
1925	Dry	0.47	0.26	0.09	0.70	3.04	14.38	15.93	20.31	19.59	23.36	21.45	17.55	137.13
1926	Dry	12.84	11.79	7.44	3.00	3.51	8.45	11.35	16.94	16.16	19.23	17.65	14.44	142.80
1927	Wet	10.05	9.13	5.40	2.31	8.97	19.78	18.67	18.43	17.07	17.59	17.52	16.96	161.88
1928	Above Normal	13.93	12.85	11.93	9.78	12.25	11.71	21.08	20.77	19.34	19.90	19.84	19.21	192.59
1929	Critical	16.20	15.03	14.12	9.37	8.52	7.17	8.43	9.34	8.78	10.54	7.98	1.51	116.99
1930	Dry	3.05	2.92	1.27	2.92	3.42	6.13	13.60	13.37	12.89	15.29	12.57	9.68	97.11
1931	Critical	4.44	3.51	1.17	2.90	3.35	6.44	10.52	10.20	9.69	11.69	8.79	6.42	79.12
1932	Dry	1.11	0.29	0.11	2.37	3.63	22.77	11.39	15.48	14.66	17.46	15.85	12.90	118.02
1933	Critical	8.46	7.60	4.21	2.92	24.36	6.42	8.09	13.57	12.98	15.52	12.95	10.05	127.13
1934	Critical	4.97	4.02	1.56	2.98	3.17	6.73	11.80	11.56	11.19	13.43	10.15	0.76	82.32
1935	Below Normal	6.66	5.00	2.44	3.02	4.09	8.56	20.40	20.24	19.16	20.80	20.12	18.37	148.86
1936	Below Normal	14.80	13.69	11.62	7.31	8.63	26.97	15.92	20.21	18.81	19.39	19.30	18.68	195.33
1937	Below Normal	15.66	14.57	13.59	9.96	24.36	26.97	20.06	24.14	22.70	23.37	23.29	22.57	241.17
1938	Wet	19.56	18.22	17.35	11.76	24.36	26.97	25.19	24.96	23.59	24.22	24.14	23.43	263.75
1939	Dry	20.39	18.98	18.11	13.22	14.57	13.98	20.39	20.53	7.40	27.02	17.24	25.70	217.53
1940	Above Normal	8.79	7.49	26.97	2.87	3.08	10.26	19.82	20.48	19.78	24.86	23.16	18.92	186.48
1941	Wet	14.11	12.96	8.36	4.85	15.27	19.36	20.49	20.25	18.82	19.43	19.35	18.75	192.00
1942	Wet	15.71	14.55	13.65	18.46	23.66	22.99	17.52	17.28	16.25	18.33	17.40	15.34	211.14
1943	Wet	11.57	10.60	8.07	12.74	18.94	19.47	22.46	22.21	20.74	21.40	21.34	20.72	210.26
1944	Dry	17.67	0.17	26.97	7.92	7.14	8.01	14.24	14.14	13.43	16.03	13.59	10.65	149.96
1945	Below Normal	5.60	4.65	2.07	4.71	4.01	26.97	15.83	19.65	18.29	18.86	18.75	18.17	157.56
1946	Below Normal	15.15	14.00	13.09	18.75	24.36	24.96	16.96	16.41	15.11	16.00	15.73	14.86	205.38
1947	Dry	11.62	10.66	9.34	8.55	10.14	10.80	21.02	20.68	19.26	19.76	19.72	19.12	180.67
1948	Below Normal	16.11	14.93	14.03	9.40	8.55	7.07	10.42	16.79	0.83	25.90	23.79	19.47	167.29
1949	Dry	14.61	13.37	8.63	4.57	3.94	7.52	20.83	20.89	20.10	23.39	21.76	20.99	180.60
1950	Below Normal	16.43	15.62	19.41	3.48	3.17	6.51	18.43	18.44	0.81	25.08	23.02	18.82	169.22
1951	Above Normal	14.01	12.85	8.29	26.97	24.36	26.97	13.67	18.12	16.77	17.25	17.19	16.66	213.11
1952	Wet	13.60	12.53	11.60	18.20	25.23	26.97	21.20	22.94	21.44	22.14	22.07	21.42	239.34
1953	Wet	18.39	17.07	16.18	19.91	17.36	14.35	17.15	17.52	12.56	22.49	20.63	16.90	210.51
1954	Above Normal	12.27	11.18	6.95	3.87	9.92	10.87	19.19	19.55	18.71	22.73	21.10	17.28	173.62
1955	Dry	12.60	11.55	7.23	2.90	3.56	9.54	17.57	17.61	16.76	20.01	18.44	15.09	152.86
1956	Wet	10.62	9.68	5.85	14.96	25.23	26.97	16.35	20.27	18.91	19.45	19.38	18.81	206.48
1957	Above Normal	15.74	14.57	13.65	12.50	12.50	15.81	19.75	20.20	19.52	24.77	22.91	18.75	210.67
1958	Wet	13.93	12.79	8.19	1.04	17.02	19.64	25.13	25.04	23.58	24.25	24.22	23.49	218.32
1959	Below Normal	20.48	15.35	26.97	9.97	9.89	11.83	17.31	17.15	0.87	23.26	21.34	17.46	191.88
1960	Dry	12.78	11.70	7.37	2.88	2.88	7.21	21.06	21.20	20.48	25.19	23.40	21.53	177.56
1961	Dry	16.93	15.62	11.29	4.21	4.41	6.42	17.83	17.77	17.05	20.29	18.64	16.57	167.03
1962	Below Normal	0.29	23.09	25.15	3.01	2.83	9.54	18.78	19.01	0.84	25.97	23.86	19.52	171.89
1963	Wet	14.62	13.45	8.72	10.11	15.26	16.88	17.15	16.80	15.57	16.85	16.38	15.11	176.90
1964	Dry	11.70	10.73	8.96	8.25	22.39	17.77	18.21	17.87	16.68	17.97	17.48	16.19	184.20
1965	Wet	12.83	11.78	10.10	12.16	20.74	20.26	17.60	17.29	16.08	18.75	18.12	16.51	192.22
1966	Below Normal	13.03	11.98	9.96	15.22	19.17	16.53	17.84	17.68	16.73	19.38	18.15	15.43	191.10
1967	Wet	11.32	10.36	7.15	3.36	20.43	21.69	24.78	24.81	23.37	24.09	24.02	23.29	218.67
1968	Below Normal	20.25	18.84	17.94	10.21	12.57	12.71	17.66	17.60	0.90	23.88	21.90	17.92	192.38
1969	Wet	13.18	12.09	7.66	9.36	24.36	26.97	21.33	22.58	22.54	23.22	23.15	22.45	228.89
1970	Wet	19.39	18.04	17.16	21.51	24.36	26.97	17.87	17.84	16.50	17.00	16.90	16.36	229.90
1971	Wet	13.32	12.25	11.33	18.12	22.93	20.08	17.82	17.70	16.77	19.38	18.15	15.53	203.38
1972	Below Normal	11.46	10.51	7.41	5.80	16.29	16.50	18.55	18.55	17.72	20.80	19.28	16.11	178.98
1973	Above Normal	11.76	10.78	7.10	2.34	20.33	20.86	14.63	19.01	17.67	18.12	18.05	17.48	178.13
1974	Wet	14.45	13.32	12.42	18.96	24.36	26.97	25.11	19.26	17.94	18.43	18.35	17.80	227.37
1975	Wet	14.74	13.59	12.66	15.14	14.35	22.41	19.07	18.75	17.41	17.88	17.81	17.26	201.07
1976	Critical	14.21	13.12	12.21	10.43	10.91	12.22	19.51	19.72	18.94	23.44	21.49	19.42	195.62
1977	Critical	14.60	13.37	8.65	2.94	2.83	4.93	7.15	2.09	0.00	1.89	0.95	0.77	60.17
1978	Above Normal	0.32	11.70	16.56	2.87	3.65	17.86	19.37	19.04	17.83	19.11	18.61	17.27	164.19
1979	Below Normal	13.93	12.82	11.13	9.37	8.91	22.34	19.61	19.36	18.01	18.48	18.41	17.84	190.21
1980	Above Normal	14.81	13.67	12.80	21.75	25.23	26.97	20.65	24.69	23.26	23.98	23.90	23.20	254.91
1981	Dry	20.17	18.75	21.82	10.24	10.35	11.27	18.03	18.51	0.95	25.19	23.13	18.92	197.33
1982	Wet	14.06	12.92	8.33	8.76	15.75	19.65	24.61	24.48	23.05	23.71	23.62	22.91	221.85
1983	Wet	19.88	18.49	17.59	22.90	21.86	26.97	20.87	22.15	22.14	22.74	22.73	22.07	260.39
1984	Wet	21.82	20.46	26.97	20.49	25.23	26.97	13.44	18.06	16.65	17.23	17.15	16.62	241.09
1985	Dry	13.54	12.49	20.80	9.30	17.71	15.91	17.79	17.79	16.51	16.97	16.88	16.34	192.03
1986	Wet	13.31	12.26	11.31	9.46	16.26	26.97	20.84	24.94	23.53	24.15	24.13	23.40	230.56
1987	Dry	20.43	14.34	26.97	8.00	7.21	6.39	8.71	8.14	7.49	8.86	6.79	5.00	128.33
1988	Critical	0.35	0.26	0.10	0.36	3.71	5.05	7.26	6.79	5.98	7.22	5.51	4.08	46.67
1989	Dry	0.33	0.24	0.10	0.07	3.76	6.13	20.79	20.54	19.42	21.31	20.51	18.89	132.09
1990	Critical	15.26	14.11	11.82	6.93	6.52	7.03	9.56	9.08	8.54	10.24	7.74	5.68	112.51
1991	Critical	0.68	0.27	0.08	0.95	2.84	4.93	7.37	6.74	5.95	7.16	5.46	4.06	46.49
1992	Critical	0.34	0.24	0.11	0.07	1.64	5.01	8.99	8.50	7.83	9.34	7.12	5.32	54.51
1993	Above Normal	0.47	0.28	0.10	2.68	15.29	17.53	18.27	18.13	11.42	21.64	20.55	18.10	144.46
1994	Critical	14.16	13.00	10.12	6.81	6.96	11.62	19.59	19.70	18.94	24.17	6.11	23.46	174.64
1995	Wet	0.29	26.11	26.97	2.97	11.67	12.79	23.22	23.00	21.58	22.20	22.18	21.50	214.48
1996	Wet	18.48	17.17	25.93	7.22	8.46	17.50	18.30	17.83	16.46	16.97	16.91	16.35	197.58
1997	Wet	13.32	12.28	11.38	17.60	24.18	26.97	20.59	20.62	19.19	19.75	19.71	19.12	224.71
1998	Wet	16.06	14.87	13.95	12.46	23.54	26.22	19.92	19.04	17.64	18.26	18.22	17.63	217.81
1999	Wet	14.58	19.07	17.32	18.88	24.36	23.90	13.52	17.94	16.55	17.15	17.11	16.56	216.94
2000	Above Normal	13.50	12.44	11.50	11.52	19.01	17.13	18.95	18.76	17.67	19.84	18.95	16.85	196.12
2001	Dry	13.07	12.04	9.53	6.24	5.97	7.50	12.03	11.87	11.48	13.81	10.64	7.87	122.05
2002	Dry	2.26	1.35	0.08	1.17	3.65	9.48	20.17	19.80	18.37	19.01	18.97	20.18	134.49
2003	Above Normal	8.55	13.39	26.97	1.71	4.24	9.81	17.50	17.48	0.73	23.76	21.85	17.86	

Energy Use (GWh) At Pumping Plant at Oso: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	26.99	22.85	15.14	2.88	14.50	18.02	17.81	17.44	18.79	20.42	18.02	15.89	208.75
1923	Below Normal	12.68	11.66	10.42	17.39	20.95	18.05	17.73	17.66	21.47	20.00	18.21	15.40	201.62
1924	Critical	11.23	10.28	6.97	4.67	4.44	6.47	8.96	8.64	8.04	9.59	7.28	5.35	91.92
1925	Dry	0.47	0.26	0.09	0.70	3.03	14.23	15.94	20.32	19.60	23.38	21.47	17.56	137.05
1926	Dry	12.85	11.80	7.44	3.00	3.51	8.44	11.34	16.93	16.15	19.22	17.64	14.43	142.75
1927	Wet	10.04	9.12	5.40	2.31	8.96	19.78	18.67	18.43	20.23	19.69	17.52	16.96	167.11
1928	Above Normal	13.93	12.85	11.93	9.78	12.24	11.71	21.08	20.77	19.34	19.90	19.84	19.22	192.59
1929	Critical	16.20	15.03	14.12	9.37	8.52	7.17	8.43	9.34	8.77	10.53	7.98	1.11	116.57
1930	Dry	3.06	2.80	1.21	2.92	3.41	6.13	13.60	13.37	12.89	15.29	12.57	9.68	96.93
1931	Critical	4.44	3.51	1.17	2.90	3.35	6.44	10.52	10.20	9.68	11.68	8.79	6.42	79.10
1932	Dry	1.11	0.29	0.11	2.36	3.63	23.50	11.38	15.47	18.34	19.03	15.85	12.90	123.97
1933	Critical	8.45	7.59	4.21	2.92	24.36	6.42	8.09	13.57	12.98	15.52	12.95	10.05	127.11
1934	Critical	4.97	4.02	1.56	2.98	3.56	11.61	8.99	12.95	12.37	14.75	11.97	0.76	90.49
1935	Below Normal	8.11	7.08	3.97	3.01	4.10	8.48	20.51	20.42	19.41	21.45	20.56	18.41	155.51
1936	Below Normal	14.65	13.54	11.06	6.69	7.88	26.97	15.92	20.21	21.57	21.88	19.30	18.68	198.35
1937	Below Normal	15.66	14.50	13.59	9.96	23.98	26.97	20.06	24.14	23.25	23.88	23.70	22.95	242.64
1938	Wet	20.70	19.36	17.96	14.24	24.36	26.97	26.11	25.56	25.13	24.66	24.59	23.92	273.56
1939	Dry	21.48	20.12	18.70	16.88	13.15	11.54	17.53	17.45	6.11	23.61	18.98	20.76	206.31
1940	Above Normal	10.36	7.00	26.97	2.87	3.09	10.26	19.82	20.48	23.47	26.43	23.16	18.93	192.84
1941	Wet	14.12	12.96	8.36	4.85	15.27	19.30	20.43	20.19	21.40	22.31	21.07	18.69	198.95
1942	Wet	15.65	14.49	13.59	18.44	23.64	22.91	17.52	17.28	18.89	22.63	17.85	15.34	218.23
1943	Wet	11.57	10.60	8.07	12.72	18.79	19.32	22.36	22.11	22.46	23.12	23.01	22.30	216.43
1944	Dry	17.81	0.17	26.97	7.43	6.71	7.87	14.24	14.14	13.43	16.03	13.59	10.65	149.04
1945	Below Normal	5.60	4.65	2.07	4.71	4.01	23.80	15.86	19.67	21.37	22.00	19.96	18.19	161.89
1946	Below Normal	15.17	14.02	13.12	18.74	24.36	24.91	16.99	16.46	20.29	16.34	15.86	14.87	211.13
1947	Dry	11.59	10.63	9.19	8.25	10.61	10.06	21.08	20.74	19.31	19.82	19.78	19.17	180.23
1948	Below Normal	16.16	14.98	14.08	9.42	8.46	7.04	10.43	16.15	0.83	25.92	23.79	19.46	166.72
1949	Dry	14.61	13.38	8.64	4.55	3.93	7.50	20.85	20.92	20.13	23.49	21.82	21.00	180.82
1950	Below Normal	16.40	15.56	0.10	3.48	3.17	6.51	18.43	18.44	0.81	25.08	23.02	18.82	149.82
1951	Above Normal	14.01	12.85	8.29	20.79	22.13	26.97	13.69	18.13	20.85	18.44	17.21	16.67	210.03
1952	Wet	13.62	12.54	11.62	18.20	22.92	26.97	21.11	19.73	20.89	22.16	20.29	18.25	228.30
1953	Wet	15.22	14.05	13.14	20.03	22.47	21.32	17.69	17.83	16.93	20.09	18.56	15.48	212.81
1954	Above Normal	11.14	10.19	6.56	4.32	13.86	11.68	19.10	19.52	18.68	22.38	20.55	16.83	174.81
1955	Dry	12.19	11.17	6.93	2.63	3.63	9.73	17.93	18.01	17.17	20.50	18.89	15.45	154.23
1956	Wet	10.95	9.99	6.09	9.39	25.23	26.97	16.40	20.32	21.79	22.42	21.03	18.85	209.43
1957	Above Normal	15.79	14.61	13.69	12.50	12.47	15.59	19.75	20.19	19.51	24.83	22.98	18.80	210.71
1958	Wet	13.98	12.84	8.23	1.04	17.01	19.63	25.12	25.02	23.59	24.35	24.23	23.48	218.52
1959	Below Normal	21.21	20.39	26.97	10.77	9.90	11.83	17.31	17.15	0.87	23.26	21.34	17.46	198.46
1960	Dry	12.78	11.70	7.37	2.88	2.76	7.19	21.06	21.20	20.48	25.19	23.39	21.51	177.51
1961	Dry	16.90	15.60	11.27	4.21	4.41	6.42	17.83	17.77	17.05	20.29	18.64	16.57	166.96
1962	Below Normal	0.29	22.92	6.63	3.01	2.83	9.54	18.78	19.01	6.10	25.97	23.86	19.52	158.46
1963	Wet	14.62	13.45	8.72	10.11	15.26	16.88	17.15	16.80	20.52	19.25	16.38	15.11	184.25
1964	Dry	11.71	10.73	8.96	8.27	22.39	17.78	18.20	17.87	16.68	17.96	17.48	16.19	184.22
1965	Wet	12.83	11.78	10.10	12.16	20.74	20.26	17.60	17.30	21.34	21.02	18.27	16.65	200.05
1966	Below Normal	13.17	12.11	10.08	15.21	19.16	16.53	17.83	17.68	16.73	19.37	18.15	15.42	191.44
1967	Wet	11.32	10.36	7.16	3.37	20.43	21.70	24.78	24.81	23.60	24.33	24.18	23.42	219.46
1968	Below Normal	21.15	22.11	20.61	11.66	11.44	12.42	17.72	17.67	0.90	23.99	21.99	18.00	199.66
1969	Wet	13.25	12.16	7.71	9.32	24.36	26.97	19.95	24.00	26.78	23.91	24.21	23.46	236.08
1970	Wet	21.17	19.85	18.09	20.84	22.22	26.97	19.96	17.72	20.67	19.95	16.79	16.24	240.47
1971	Wet	13.20	12.14	11.22	18.08	22.89	20.22	17.78	17.63	16.69	19.24	18.05	15.50	202.64
1972	Below Normal	11.47	10.51	7.49	6.07	16.36	16.58	18.55	18.55	17.71	20.78	19.27	16.11	179.45
1973	Above Normal	11.78	10.79	7.12	2.38	20.33	20.86	14.63	19.01	21.21	19.84	18.05	17.48	183.48
1974	Wet	14.45	13.32	12.42	18.96	21.90	26.97	24.68	19.20	21.35	21.97	18.60	17.74	231.56
1975	Wet	14.69	13.54	12.61	15.22	14.39	22.39	19.05	18.73	21.06	19.44	17.79	17.24	206.15
1976	Critical	14.19	13.10	12.19	10.41	10.92	12.24	19.55	19.76	18.98	23.47	21.53	19.51	195.85
1977	Critical	14.68	13.44	8.71	2.94	2.83	4.93	7.15	2.09	0.00	1.89	0.95	0.77	60.38
1978	Above Normal	0.32	11.26	9.38	2.87	3.65	16.84	19.61	19.46	21.04	22.21	22.48	17.45	166.57
1979	Below Normal	13.75	12.64	10.18	8.11	7.59	21.03	18.90	18.61	20.92	21.41	17.64	17.09	187.87
1980	Above Normal	14.07	12.96	12.09	14.31	25.23	26.97	16.73	21.24	22.15	22.78	20.21	20.22	231.46
1981	Dry	16.76	15.50	14.61	12.37	16.97	16.00	19.60	20.07	19.38	23.63	21.77	17.97	214.63
1982	Wet	13.32	12.25	8.04	9.30	16.22	19.64	24.60	24.47	23.51	24.17	24.02	23.27	222.81
1983	Wet	20.99	19.65	26.32	20.49	24.36	26.97	25.07	20.31	27.74	22.74	25.79	22.75	283.18
1984	Wet	22.42	21.05	26.97	20.49	23.01	26.97	13.44	18.06	20.80	20.43	17.15	16.62	247.41
1985	Dry	13.54	12.49	20.80	9.30	17.71	15.91	17.79	17.79	16.51	16.97	16.88	16.34	192.03
1986	Wet	13.31	12.26	11.31	9.46	9.59	26.97	23.89	24.99	23.59	24.21	24.20	23.48	227.26
1987	Dry	21.13	13.22	26.97	9.07	7.21	6.39	8.71	8.14	7.49	8.86	6.79	5.00	128.98
1988	Critical	0.35	0.26	0.10	0.35	3.71	5.05	7.26	6.85	6.05	7.30	5.57	4.12	46.97
1989	Dry	0.34	0.24	0.10	0.07	3.78	6.11	20.82	20.58	19.47	21.44	20.59	19.25	132.79
1990	Critical	15.57	14.41	12.01	6.81	6.44	7.02	9.62	9.14	8.61	10.31	7.79	5.72	113.45
1991	Critical	0.71	0.27	0.08	0.98	2.84	4.93	7.37	6.74	5.95	7.16	5.46	4.06	46.55
1992	Critical	0.34	0.24	0.11	0.07	1.64	5.01	8.89	8.38	7.71	9.19	7.01	5.23	53.82
1993	Above Normal	0.42	0.26	0.10	2.35	15.32	17.58	18.26	18.11	14.82	24.99	20.42	17.91	150.54
1994	Critical	14.04	12.92	10.11	6.90	7.02	11.64	19.57	19.68	18.92	24.04	4.45	23.21	172.50
1995	Wet	0.29	25.84	18.74	2.97	11.67	12.79	23.22	23.00	22.80	22.20	25.76	23.15	212.43
1996	Wet	22.20	0.17	0.13	7.23	8.45	17.50	18.25	17.78	19.57	20.53	17.45	16.30	165.56
1997	Wet	13.27	12.23	11.33	17.58	24.16	26.97	20.58	20.62	21.87	22.50	21.63	19.12	231.86
1998	Wet	16.06	14.87	13.95	12.45	23.54	25.73	20.13	18.93	21.08	21.96	18.17	17.58	224.45
1999	Wet	14.53	19.02	16.12	18.84	24.36	23.90	13.52	17.94	20.04	20.32	17.80	16.56	222.95
2000	Above Normal	13.50	12.44	11.50	11.52	19.01	16.96	18.98	18.82	21.63	21.36	19.06	16.88	201.66
2001	Dry	13.05	12.03	9.42	6.09	5.84	7.46	12.06	11.90	11.50	13.83	10.67	7.90	121.75
2002	Dry	2.30	1.39	0.08	1.20	3.65	9.48	20.15	19.78	18.35	18.98	18.95	20.12	134.43
2003	Above Normal	9.78	11.90	13.34	1.71	4.24	9.81	17.50	17.48	0.73	23.76	21.85	17.86	

Difference in Energy Use (GWh) At Pumping Plant at Oso: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.64	3.43	1.29	0.00	0.61
1923	Below Normal	(0.01)	0.00	0.00	0.00	(0.02)	(0.11)	0.01	0.01	4.81	0.52	0.04	0.01	0.44
1924	Critical	0.00	0.00	(0.02)	(0.04)	(0.04)	(0.01)	0.01	0.00	0.00	0.00	0.00	0.00	(0.01)
1925	Dry	0.00	0.00	0.00	0.00	(0.01)	(0.15)	0.01	0.01	0.01	0.02	0.02	0.01	(0.01)
1926	Dry	0.01	0.01	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	0.00
1927	Wet	(0.01)	(0.01)	0.00	0.00	(0.01)	0.00	0.00	0.00	3.16	2.10	0.00	0.00	0.44
1928	Above Normal	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	0.00	(0.40)	(0.04)
1930	Dry	0.01	(0.12)	(0.06)	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.02)
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	0.00	0.00	0.00
1932	Dry	0.00	0.00	0.00	(0.01)	0.00	0.73	(0.01)	(0.01)	3.68	1.57	0.00	0.00	0.50
1933	Critical	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1934	Critical	0.00	0.00	0.00	0.00	0.39	4.88	(2.81)	1.39	1.18	1.32	1.82	0.00	0.68
1935	Below Normal	1.45	2.08	1.53	(0.01)	0.01	(0.08)	0.11	0.18	0.25	0.65	0.44	0.04	0.55
1936	Below Normal	(0.15)	(0.15)	(0.56)	(0.62)	(0.75)	0.00	0.00	0.00	2.76	2.49	0.00	0.00	0.25
1937	Below Normal	0.00	0.00	0.00	0.00	(0.38)	0.00	0.00	0.00	0.55	0.51	0.41	0.38	0.12
1938	Wet	1.14	1.14	0.61	2.48	0.00	0.00	0.92	0.60	1.54	0.44	0.45	0.49	0.82
1939	Dry	1.09	1.14	0.59	3.66	(1.42)	(2.44)	(2.86)	(3.08)	(1.29)	(3.41)	1.74	(4.94)	(0.94)
1940	Above Normal	1.57	(0.49)	0.00	0.00	0.01	0.00	0.00	0.00	3.69	1.57	0.00	0.01	0.53
1941	Wet	0.01	0.00	0.00	0.00	0.00	(0.06)	(0.06)	(0.06)	2.58	2.88	1.72	(0.06)	0.58
1942	Wet	(0.06)	(0.06)	(0.06)	(0.02)	(0.02)	(0.08)	0.00	0.00	2.64	4.30	0.45	0.00	0.59
1943	Wet	0.00	0.00	0.00	(0.02)	(0.15)	(0.15)	(0.10)	(0.10)	1.72	1.72	1.67	1.58	0.51
1944	Dry	0.14	0.00	0.00	(0.49)	(0.43)	(0.14)	0.00	0.00	0.00	0.00	0.00	0.00	(0.08)
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	(3.17)	0.03	0.02	3.08	3.14	1.21	0.02	0.36
1946	Below Normal	0.02	0.02	0.03	(0.01)	0.00	(0.05)	0.03	0.05	5.18	0.34	0.13	0.01	0.48
1947	Dry	(0.03)	(0.03)	(0.15)	(0.30)	0.47	(0.74)	0.06	0.06	0.05	0.06	0.06	0.05	(0.04)
1948	Below Normal	0.05	0.05	0.05	0.02	(0.09)	(0.03)	0.01	(0.64)	0.00	0.02	0.00	(0.01)	(0.05)
1949	Dry	0.00	0.01	0.01	(0.02)	(0.01)	(0.02)	0.02	0.03	0.03	0.10	0.06	0.01	0.02
1950	Below Normal	(0.03)	(0.06)	(19.31)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1.62)
1951	Above Normal	0.00	0.00	0.00	(6.18)	(2.23)	0.00	0.02	0.01	4.08	1.19	0.02	0.01	(0.26)
1952	Wet	0.02	0.01	0.02	0.00	(2.31)	0.00	(0.09)	(3.21)	(0.55)	0.02	(1.78)	(3.17)	(0.92)
1953	Wet	(3.17)	(3.02)	(3.04)	0.12	5.11	6.97	0.54	0.31	4.37	(2.40)	(2.07)	(1.42)	0.19
1954	Above Normal	(1.13)	(0.99)	(0.39)	0.45	3.94	0.81	(0.09)	(0.03)	(0.03)	(0.35)	(0.55)	(0.45)	0.10
1955	Dry	(0.41)	(0.38)	(0.30)	(0.27)	0.07	0.19	0.36	0.40	0.41	0.49	0.45	0.36	0.11
1956	Wet	0.33	0.31	0.24	(5.57)	0.00	0.00	0.05	0.05	-2.88	-2.97	1.65	0.04	0.25
1957	Above Normal	0.05	0.04	0.04	0.00	(0.03)	(0.22)	0.00	(0.01)	(0.01)	0.06	0.07	0.05	0.00
1958	Wet	0.05	0.05	0.04	0.00	(0.01)	(0.01)	(0.01)	(0.02)	0.01	0.10	0.01	(0.01)	0.02
1959	Below Normal	0.73	5.04	0.00	0.80	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.55
1960	Dry	0.00	0.00	0.00	0.00	0.00	(0.02)	0.00	0.00	0.00	0.00	(0.01)	(0.02)	0.00
1961	Dry	(0.03)	(0.02)	(0.02)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1962	Below Normal	0.00	(0.17)	(18.52)	0.00	0.00	0.00	0.00	0.00	5.26	0.00	0.00	0.00	(1.12)
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.95	2.40	0.00	0.00	0.61
1964	Dry	0.01	0.00	0.00	0.02	0.00	0.01	(0.01)	0.00	0.00	(0.01)	0.00	0.00	0.00
1965	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	5.26	2.27	0.15	0.14	0.65
1966	Below Normal	0.14	0.13	0.12	(0.01)	(0.01)	(0.01)	(0.01)	0.00	0.00	(0.01)	0.00	(0.01)	0.03
1967	Wet	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.23	0.24	0.16	0.13	0.07
1968	Below Normal	0.90	3.27	2.67	1.45	(1.13)	(0.29)	0.06	0.07	0.00	0.11	0.09	0.08	0.61
1969	Wet	0.07	0.07	0.05	(0.04)	0.00	0.00	(1.38)	1.42	4.24	0.69	1.06	1.01	0.60
1970	Wet	1.78	1.81	0.93	(0.67)	(2.14)	0.00	2.09	(0.12)	4.17	2.95	(0.11)	(0.12)	0.88
1971	Wet	(0.12)	(0.11)	(0.11)	(0.04)	(0.04)	0.14	(0.04)	(0.07)	(0.08)	(0.14)	(0.10)	(0.03)	(0.06)
1972	Below Normal	0.01	0.00	0.08	0.27	0.07	0.08	0.00	0.00	(0.01)	(0.02)	(0.01)	0.00	0.04
1973	Above Normal	0.02	0.01	0.02	0.04	0.00	0.00	0.00	0.00	3.54	1.72	0.00	0.00	0.45
1974	Wet	0.00	0.00	0.00	0.00	(2.46)	0.00	(0.43)	(0.06)	3.41	3.54	0.25	(0.06)	0.35
1975	Wet	(0.05)	(0.05)	(0.05)	0.08	0.04	(0.02)	(0.02)	(0.02)	3.65	1.56	(0.02)	(0.02)	0.42
1976	Critical	(0.02)	(0.02)	(0.02)	(0.02)	0.01	0.02	0.04	0.04	0.04	0.03	0.04	0.00	0.02
1977	Critical	0.08	0.07	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
1978	Above Normal	0.00	(0.44)	(7.18)	0.00	0.00	(1.02)	0.24	0.42	3.21	3.10	3.87	0.18	0.20
1979	Below Normal	(0.18)	(0.18)	(0.95)	(1.26)	(1.32)	(1.31)	(0.71)	(0.75)	2.91	2.93	(0.77)	(0.75)	(0.20)
1980	Above Normal	(0.74)	(0.71)	(0.71)	(7.44)	0.00	0.00	(3.92)	(3.45)	(1.11)	(1.20)	(1.19)	(2.98)	(1.95)
1981	Dry	(3.41)	(3.25)	(7.21)	2.13	6.62	4.73	1.57	1.56	18.43	(1.56)	(1.36)	(0.95)	1.44
1982	Wet	(0.74)	(0.67)	(0.29)	0.54	0.47	(0.01)	(0.01)	(0.01)	0.46	0.46	0.40	0.36	0.08
1983	Wet	1.11	1.16	8.73	(2.41)	2.50	0.00	4.20	(1.84)	5.60	0.00	3.06	0.68	1.90
1984	Wet	0.60	0.59	0.00	0.00	(2.22)	0.00	0.00	0.00	4.15	3.20	0.00	0.00	0.53
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	(6.67)	0.00	3.05	0.05	0.06	0.06	0.07	0.08	(0.28)
1987	Dry	0.70	(1.12)	0.00	1.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
1988	Critical	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.06	0.07	0.08	0.06	0.04	0.03
1989	Dry	0.01	0.00	0.00	0.00	0.02	(0.02)	0.03	0.04	0.05	0.13	0.08	0.36	0.06
1990	Critical	0.31	0.30	0.19	(0.12)	(0.08)	(0.01)	0.06	0.06	0.07	0.07	0.05	0.04	0.08
1991	Critical	0.03	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.10)	(0.12)	(0.12)	(0.15)	(0.11)	(0.09)	(0.06)
1993	Above Normal	(0.05)	(0.02)	0.00	(0.33)	0.03	0.05	(0.01)	(0.02)	3.40	3.35	(0.13)	(0.19)	0.51
1994	Critical	(0.12)	(0.08)	(0.01)	0.09	0.06	0.02	(0.02)	(0.02)	(0.02)	(0.13)	(1.66)	(0.25)	(0.18)
1995	Wet	0.00	(0.27)	(8.23)	0.00	0.00	0.00	0.00	0.00	1.22	0.00	3.58	1.65	(0.17)
1996	Wet	3.72	(17.00)	(25.80)	0.01	(0.01)	0.00	(0.05)	(0.05)	3.11	3.56	0.54	(0.05)	(2.67)
1997	Wet	(0.05)	(0.05)	(0.05)	(0.02)	(0.02)	0.00	(0.01)	0.00	2.68	2.75	1.92	0.00	0.60
1998	Wet	0.00	0.00	0.00	(0.01)	0.00	(0.49)	0.21	(0.11)	3.44	3.70	(0.05)	(0.05)	0.55
1999	Wet	(0.05)	(0.05)	(1.20)	(0.04)	0.00	0.00	0.00	0.00	3.49	3.17	0.69	0.00	0.50
2000	Above Normal	0.00	0.00	0.00	0.00	0.00	(0.17)	0.03	0.06	3.96	1.52	0.11	0.03	0.46
2001	Dry	(0.02)	(0.01)	(0.11)	(0.15)	(0.13)	(0.04)	0.03	0.03	0.02	0.02	0.03	0.03	(0.02)
2002	Dry	0.04	0.04	0.00	0.03	0.00	0.00	(0.02)	(0.02)	(0.02)	(0.03)	(0.02)	(0.06)	(0.01)
2003	Above Normal	1.23	(1.49)	(13.63)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1.16)
Average		0.08	(0.17)	(1.12)	(0.16)	(0.05)	0.09	0.01	(0.08)	1.70	0.81	0.24	(0.10)	0.10
Wet		0.18	(0.62)	(1.08)	(0.22)	(0.31)	0.24	0.34	(0.12)	2.63	1.64	0.53	0.05	0.27
Above Normal		0.08	(0.34)	(1.82)	(1.12)	0.14	(0.05)	(0.31)	(0.25)	1.95	1.20	0.29	(0.28)	(0.04)
Below Normal		0.21	0.72	(2.49)	0.04	(0.26)	(0.35)	(0.03)	(0.08)	1.77	0.76	0.11	(0.02)	0.03
Dry		(0.11)	(0.21)	(0.40)	0.32	0.29	0.12	(0.05)						

Percent Difference in Energy Use (GWh) At Pumping Plant at Osso: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	16%	20%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	29%	3%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	19%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-26%
1930	Dry	0%	-4%	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	3%	0%	0%	25%	9%	0%	0%
1933	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	12%	73%	-24%	12%	11%	10%	18%	0%
1935	Below Normal	22%	42%	63%	0%	0%	-1%	1%	1%	3%	2%	0%	0%
1936	Below Normal	-1%	-1%	-5%	-8%	-9%	0%	0%	0%	15%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	-2%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	6%	6%	4%	21%	0%	0%	4%	2%	7%	2%	2%	2%
1939	Dry	5%	6%	3%	28%	-10%	-17%	-14%	-15%	-17%	-13%	10%	-19%
1940	Above Normal	18%	-7%	0%	0%	0%	0%	0%	0%	19%	6%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	16%	23%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	8%	8%	8%	8%
1944	Dry	1%	0%	0%	-6%	-2%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-12%	0%	0%	17%	17%	6%	12%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	34%	2%	1%	0%
1947	Dry	0%	0%	-2%	-4%	5%	-7%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	0%	-1%	0%	0%	-4%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	-99%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	-23%	-9%	0%	0%	0%	24%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	-9%	0%	0%	-14%	-3%	0%	-8%	-15%
1953	Wet	-17%	-18%	-19%	1%	29%	49%	3%	2%	35%	-11%	-10%	-8%
1954	Above Normal	-9%	-9%	-6%	12%	40%	7%	0%	0%	0%	-2%	-3%	-3%
1955	Dry	-3%	-3%	-4%	-9%	2%	2%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	4%	-37%	0%	0%	0%	0%	15%	15%	9%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	4%	33%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	-1%	-74%	0%	0%	0%	0%	0%	626%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	32%	14%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	33%	12%	1%	1%
1966	Below Normal	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	17%	15%	14%	-9%	-2%	0%	0%	0%	0%	0%	0%
1969	Wet	1%	1%	1%	0%	0%	0%	-6%	6%	19%	3%	5%	4%
1970	Wet	9%	10%	5%	-3%	-9%	0%	12%	-1%	25%	17%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	-1%	-1%	0%
1972	Below Normal	0%	0%	1%	5%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	2%	0%	0%	0%	0%	20%	9%	0%	0%
1974	Wet	0%	0%	0%	0%	-10%	0%	-2%	0%	19%	19%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	-4%	-43%	0%	0%	-6%	1%	2%	18%	16%	21%	1%
1979	Below Normal	-1%	-1%	-9%	-13%	-15%	-6%	-4%	-4%	16%	16%	-4%	-4%
1980	Above Normal	-5%	-5%	-6%	-34%	0%	0%	-19%	-14%	-5%	-5%	-5%	-13%
1981	Dry	-17%	-17%	-33%	21%	64%	42%	9%	8%	>1,000%	-6%	-6%	-5%
1982	Wet	-5%	-5%	-3%	6%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	6%	6%	50%	-11%	11%	0%	20%	-8%	25%	0%	13%	3%
1984	Wet	3%	3%	0%	0%	-9%	0%	0%	0%	25%	19%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-41%	0%	15%	0%	0%	0%	0%	0%
1987	Dry	3%	-8%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	-3%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	3%	0%	0%	0%	1%	0%	0%	0%	0%	1%	0%	2%
1990	Critical	2%	2%	2%	-2%	-1%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	4%	0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-1%	-2%	-2%	-2%	-2%
1993	Above Normal	-11%	-7%	0%	-12%	0%	0%	0%	0%	30%	15%	-1%	-1%
1994	Critical	-1%	-1%	0%	1%	0%	0%	0%	0%	0%	-1%	-27%	-1%
1995	Wet	0%	-1%	-31%	0%	0%	0%	0%	0%	6%	0%	16%	8%
1996	Wet	20%	-99%	-99%	0%	0%	0%	0%	0%	19%	21%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	-2%	1%	-1%	20%	20%	0%	0%
1999	Wet	0%	0%	-7%	0%	0%	0%	0%	0%	21%	18%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	22%	8%	1%	0%
2001	Dry	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	2%	3%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	14%	-11%	-51%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		1%	-1%	-4%	0%	0%	1%	0%	0%	16%	5%	1%	-1%
Wet		1%	-4%	-4%	-1%	-1%	2%	2%	-1%	15%	9%	3%	0%
Above Normal		1%	-4%	-9%	-5%	3%	0%	-1%	-1%	12%	6%	2%	-1%
Below Normal		2%	6%	-8%	0%	-2%	-2%	0%	0%	53%	4%	1%	0%
Dry		0%	-1%	-2%	2%	3%	1%	0%	0%	1%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	6%	-2%	1%	1%	1%	-1%	-2%

Energy Use (GWh) At Pumping Plant at Pearblossom: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	90.99	83.96	75.54	20.02	56.56	60.87	56.41	59.32	58.22	59.82	60.81	58.69	741.21
1923	Below Normal	55.65	52.83	52.80	90.68	82.18	61.47	44.35	56.13	56.00	55.12	61.18	57.84	726.23
1924	Critical	48.21	44.47	40.30	15.83	18.09	17.82	28.48	38.71	39.88	34.84	34.85	33.43	394.91
1925	Dry	21.90	17.50	15.45	4.33	8.59	24.89	50.48	64.93	65.50	63.15	72.56	67.87	477.15
1926	Dry	54.74	50.58	44.51	4.80	11.13	22.44	39.45	53.23	53.87	51.86	59.69	55.73	502.03
1927	Wet	44.91	41.32	36.47	8.93	37.97	68.76	61.41	64.13	62.54	64.84	65.14	63.06	619.48
1928	Above Normal	61.23	58.50	59.02	48.96	57.09	33.89	70.76	73.31	71.11	73.81	74.32	71.96	753.96
1929	Critical	70.01	67.28	67.70	51.20	48.27	24.25	26.33	42.91	44.00	38.51	38.71	1.50	520.67
1930	Dry	23.19	32.32	31.56	4.20	10.60	15.46	41.78	54.52	55.97	50.82	54.21	51.61	426.24
1931	Critical	37.13	31.97	28.24	4.29	10.30	17.02	35.69	47.62	48.78	42.65	42.82	41.05	387.56
1932	Dry	27.19	21.91	19.20	5.71	15.62	24.57	38.06	49.63	50.31	48.22	54.60	51.22	406.24
1933	Critical	40.35	36.84	32.58	4.52	43.44	20.24	39.14	53.38	54.60	50.17	53.98	51.25	480.49
1934	Critical	37.49	32.44	28.69	4.46	9.31	17.96	41.22	55.08	56.45	49.34	17.48	1.51	351.43
1935	Below Normal	57.80	48.38	39.39	4.37	14.54	22.76	63.45	69.55	68.79	69.46	72.79	69.49	600.77
1936	Below Normal	63.43	60.08	58.57	35.84	39.75	90.99	66.06	71.57	69.60	72.19	72.63	70.32	771.03
1937	Below Normal	68.31	65.48	65.93	53.48	81.23	69.41	82.27	87.05	84.38	87.59	88.23	85.47	918.83
1938	Wet	83.34	80.21	80.55	60.06	76.32	90.99	86.43	89.22	87.03	89.94	90.39	87.70	1,002.18
1939	Dry	85.50	81.93	82.49	63.90	66.70	45.25	51.96	65.10	1.73	67.85	1.97	64.62	679.00
1940	Above Normal	0.32	0.17	59.38	4.58	8.84	28.78	50.89	65.44	35.31	60.61	77.00	72.24	463.56
1941	Wet	58.01	53.52	46.94	29.70	60.10	66.29	68.24	70.80	68.96	71.54	71.80	69.54	735.44
1942	Wet	67.63	64.66	65.26	90.88	79.06	81.76	49.27	56.36	56.08	56.00	60.09	57.12	783.97
1943	Wet	50.05	46.64	44.03	69.09	77.84	66.48	75.82	78.44	76.26	79.16	79.48	77.14	820.43
1944	Dry	75.12	0.17	84.64	35.14	34.05	26.82	41.67	54.19	55.05	50.98	55.40	52.63	565.86
1945	Below Normal	38.91	34.07	30.12	8.18	14.50	90.99	65.64	69.30	67.52	70.02	70.40	68.21	627.86
1946	Below Normal	66.23	63.38	63.83	90.68	76.75	90.96	50.63	54.82	53.85	55.33	56.36	54.31	777.13
1947	Dry	51.21	48.47	48.32	43.82	45.50	30.50	70.48	72.95	70.77	73.40	73.87	71.61	700.90
1948	Below Normal	69.67	66.90	67.31	45.71	43.44	23.49	35.42	1.31	1.66	70.60	79.61	74.61	579.73
1949	Dry	59.52	55.23	48.89	7.64	13.55	20.68	56.97	68.44	68.70	67.10	17.06	81.38	565.16
1950	Below Normal	62.85	9.07	16.28	7.20	9.52	17.67	46.80	58.37	1.60	67.71	76.13	71.38	444.58
1951	Above Normal	56.84	52.60	46.47	75.11	76.59	90.99	56.26	62.07	60.77	62.82	62.99	61.05	766.56
1952	Wet	59.23	56.42	57.09	90.68	79.32	90.99	69.68	81.07	78.77	81.78	82.13	79.67	906.83
1953	Wet	77.73	74.27	74.88	90.68	75.18	43.86	42.15	54.39	1.42	60.26	67.71	63.61	726.14
1954	Above Normal	50.47	46.41	40.87	8.68	41.28	31.36	48.54	61.76	54.90	56.17	70.04	65.75	576.23
1955	Dry	52.74	48.56	42.58	8.93	17.46	25.84	43.91	55.13	55.57	53.76	61.41	57.49	523.38
1956	Wet	46.04	42.34	37.34	53.46	78.76	90.99	66.68	70.43	68.88	71.22	71.41	69.28	766.83
1957	Above Normal	67.33	64.26	64.93	61.65	58.61	51.94	50.46	64.31	23.20	64.38	77.26	72.58	720.91
1958	Wet	57.87	53.58	46.99	10.20	67.82	67.64	86.38	89.67	87.19	90.32	90.87	88.06	836.59
1959	Below Normal	86.04	0.17	84.64	38.81	41.41	34.13	43.15	53.56	1.79	62.36	69.87	65.51	581.44
1960	Dry	52.02	47.93	42.38	4.52	7.22	20.39	57.78	69.68	36.86	71.70	45.26	80.97	536.71
1961	Dry	67.10	62.36	56.49	13.93	17.50	17.61	45.02	56.05	56.86	54.74	38.72	13.28	499.66
1962	Below Normal	0.36	29.12	38.58	4.75	7.99	26.41	47.84	60.39	1.69	70.14	79.02	74.12	440.41
1963	Wet	59.06	54.65	48.25	56.12	58.95	55.64	49.42	55.76	54.94	55.91	57.98	55.68	662.36
1964	Dry	51.19	48.14	47.10	44.81	85.12	58.71	55.83	60.08	59.23	60.33	62.36	59.79	692.69
1965	Wet	55.49	52.30	51.42	65.61	82.18	69.62	52.54	57.51	16.48	62.19	64.82	62.06	692.22
1966	Below Normal	56.36	52.91	51.26	82.87	79.86	54.35	45.76	56.44	56.45	55.41	61.31	57.90	710.88
1967	Wet	48.62	44.90	40.93	20.74	82.18	75.84	85.09	88.66	86.26	89.39	89.91	87.21	839.73
1968	Below Normal	85.03	81.41	81.97	43.21	52.47	37.27	43.94	54.91	1.87	63.83	71.28	66.99	684.18
1969	Wet	53.01	48.87	43.16	51.60	76.22	90.99	80.76	85.10	82.90	83.79	86.21	83.65	868.26
1970	Wet	81.46	77.99	78.60	88.90	76.69	90.99	57.72	60.97	59.74	61.71	61.89	59.92	856.58
1971	Wet	58.16	55.34	56.01	90.68	80.85	67.70	45.81	56.76	56.79	55.95	61.54	58.20	743.79
1972	Below Normal	49.17	45.53	41.77	34.17	65.79	58.02	48.39	59.04	59.38	57.74	64.82	61.01	640.83
1973	Above Normal	50.16	46.32	41.53	16.94	69.48	68.62	60.24	65.81	64.41	66.43	66.70	64.59	681.23
1974	Wet	62.74	59.83	60.43	90.68	75.99	90.99	82.28	66.38	65.10	67.13	67.35	65.34	854.24
1975	Wet	63.49	60.41	61.08	80.34	65.68	81.01	62.85	65.12	63.62	65.75	66.07	64.07	799.49
1976	Critical	62.12	59.37	59.92	50.30	52.52	37.71	49.68	62.50	43.88	62.75	31.39	75.35	647.49
1977	Critical	59.72	55.01	35.25	4.68	7.44	10.09	20.07	1.33	0.00	1.91	3.73	1.65	200.88
1978	Above Normal	0.47	10.77	37.80	4.10	17.99	60.79	58.45	65.50	64.47	65.62	67.91	65.08	518.95
1979	Below Normal	60.70	57.36	56.49	42.65	43.83	80.42	65.36	68.10	66.41	68.66	69.05	66.96	745.99
1980	Above Normal	64.98	62.13	62.59	53.12	78.67	90.99	83.66	88.10	85.74	88.90	89.34	86.67	934.89
1981	Dry	84.61	58.13	84.64	42.34	41.83	32.17	45.41	58.38	2.04	67.72	76.14	71.46	664.87
1982	Wet	56.74	52.44	46.31	48.02	61.40	67.07	84.18	87.26	85.01	87.88	88.32	85.64	850.27
1983	Wet	83.59	80.01	80.60	84.64	82.18	90.99	78.82	83.18	81.12	83.93	84.32	81.83	995.21
1984	Wet	85.44	76.96	84.64	90.68	79.54	90.99	55.38	61.75	60.28	62.55	62.71	60.80	871.72
1985	Dry	58.87	56.15	57.02	90.68	56.91	64.01	57.42	60.99	59.90	61.83	61.97	59.95	745.70
1986	Wet	58.24	55.51	56.16	52.01	55.04	90.99	86.82	90.22	87.39	90.86	90.99	88.06	902.29
1987	Dry	86.61	0.17	84.64	35.47	34.43	18.81	27.33	35.93	37.02	32.35	32.52	31.18	456.46
1988	Critical	20.65	16.42	14.51	4.38	12.21	10.15	20.61	28.10	28.99	25.63	25.45	24.33	231.43
1989	Dry	15.73	12.26	11.00	6.21	12.97	15.29	63.37	70.40	69.53	70.17	67.37	71.42	485.72
1990	Critical	64.74	61.16	59.28	33.70	33.53	22.80	31.30	41.42	42.66	37.30	37.43	35.93	501.25
1991	Critical	23.81	19.06	16.76	4.26	7.50	10.17	21.35	27.94	28.89	25.52	25.44	24.42	235.12
1992	Critical	15.89	12.42	11.13	4.22	7.42	10.07	28.65	37.89	38.88	34.02	32.46	33.38	266.43
1993	Above Normal	13.94	11.69	24.38	4.44	60.79	58.94	52.32	59.80	1.66	66.89	71.98	68.40	495.23
1994	Critical	59.76	55.86	52.60	28.69	32.23	33.41	49.91	62.50	21.18	65.99	1.98	20.18	484.29
1995	Wet	0.34	2.31	63.98	4.74	47.86	39.65	79.31	82.23	79.86	82.91	83.46	80.90	647.55
1996	Wet	78.86	14.43	36.70	39.92	35.68	58.69	59.73	61.49	60.02	62.22	62.50	60.45	630.69
1997	Wet	58.64	56.03	56.61	90.68	76.98	90.99	69.60	71.93	70.10	72.61	72.87	70.68	857.72
1998	Wet	68.70	65.64	66.28	61.09	79.14	90.99	65.85	66.47	64.74	67.39	67.73	65.57	829.59
1999	Wet	63.57	62.20	61.36	90.68	76.61	62.41	55.71	61.41	59.97	62.40	62.61	60.60	779.53
2000	Above Normal	58.77	56.02	56.70	55.29	84.11	58.14	54.76	62.61	61.97	62.40	66.63	63.33	740.73
2001	Dry	56.04	52.62	50.19	29.00	29.46	23.75	41.20	55.17	56.51	50.01	51.19	49.16	544.30
2002	Dry	33.34	27.47	24.07	8.66	18.08	25.70	67.39	69					

Energy Use (GWh) At Pumping Plant at Pear Blossom: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	90.99	83.96	75.54	20.02	56.56	60.87	56.40	59.32	68.08	72.68	65.65	58.69	768.76
1923	Below Normal	55.65	52.83	52.79	90.68	82.18	61.04	44.32	56.16	73.96	56.89	61.25	57.89	745.64
1924	Critical	48.19	44.44	40.24	15.52	17.84	17.75	28.49	38.72	39.90	34.85	34.86	33.45	394.25
1925	Dry	21.90	17.50	15.45	4.33	8.58	24.88	50.51	64.97	65.54	63.18	72.60	67.91	477.35
1926	Dry	54.77	50.61	44.54	4.80	11.11	22.43	39.40	53.19	53.83	51.83	59.65	55.69	501.85
1927	Wet	44.88	41.30	36.45	8.93	37.94	68.76	61.41	64.13	74.36	72.70	65.14	63.06	639.06
1928	Above Normal	61.23	58.50	59.02	48.95	57.05	33.89	70.76	73.32	71.12	73.82	74.32	71.96	753.94
1929	Critical	70.01	67.28	67.70	51.20	48.27	24.24	26.32	42.90	43.99	38.50	38.70	2.51	521.62
1930	Dry	23.17	32.58	31.76	4.20	10.60	15.46	41.78	54.53	55.97	50.82	54.21	51.61	426.69
1931	Critical	37.13	31.97	28.23	4.29	10.29	17.02	35.68	47.60	48.77	42.64	42.80	41.04	387.46
1932	Dry	27.18	21.91	19.20	5.71	15.62	24.57	38.06	49.64	64.10	54.11	54.60	51.22	425.92
1933	Critical	40.35	36.84	32.58	4.52	41.65	20.24	39.14	53.38	54.60	50.17	53.98	51.25	478.70
1934	Critical	37.49	32.44	28.69	4.47	11.42	21.15	40.56	54.12	55.26	50.00	46.16	1.51	383.27
1935	Below Normal	50.98	48.23	41.13	4.47	14.41	22.63	61.89	69.44	68.96	69.06	73.43	69.83	594.46
1936	Below Normal	62.39	58.83	56.56	31.13	35.72	90.99	66.05	71.56	79.92	81.52	72.61	70.30	777.58
1937	Below Normal	68.30	65.48	65.93	53.48	82.18	69.40	82.27	87.05	86.44	89.49	89.78	86.92	926.72
1938	Wet	87.62	84.46	82.84	68.37	76.49	90.99	88.06	90.99	82.68	90.99	90.99	88.06	1,022.54
1939	Dry	89.48	86.11	84.60	81.54	67.09	40.29	43.87	54.64	21.40	63.49	6.27	56.46	695.24
1940	Above Normal	2.28	2.32	60.91	4.50	8.88	28.79	50.90	65.45	49.29	66.31	77.02	72.26	488.91
1941	Wet	58.02	53.53	46.95	29.67	60.10	66.04	68.02	70.56	78.58	82.32	78.23	69.31	761.33
1942	Wet	67.40	64.44	65.04	90.68	79.10	81.37	49.24	56.37	65.94	72.03	61.77	57.14	810.52
1943	Wet	50.04	46.62	44.00	68.97	77.14	65.91	75.44	78.05	82.69	85.61	85.75	83.08	843.30
1944	Dry	75.63	0.17	84.64	32.18	31.41	25.95	41.66	54.18	55.03	50.97	55.39	52.61	559.82
1945	Below Normal	38.90	34.06	30.11	8.18	14.49	87.82	65.74	69.41	79.06	81.80	74.94	68.32	652.83
1946	Below Normal	66.33	63.48	63.94	90.68	76.75	90.80	50.24	54.84	73.02	55.82	56.56	54.44	796.90
1947	Dry	50.94	48.15	47.75	42.52	44.43	30.45	70.68	73.16	70.97	73.60	74.08	71.82	698.55
1948	Below Normal	69.87	67.10	67.51	42.93	41.23	22.68	35.44	3.68	1.66	70.58	79.56	74.84	577.08
1949	Dry	59.61	55.27	48.53	7.61	13.50	20.65	56.69	68.38	68.68	66.98	16.03	81.75	563.68
1950	Below Normal	63.12	9.62	65.28	7.20	9.52	17.67	46.80	58.37	1.60	67.71	76.13	71.38	494.40
1951	Above Normal	56.84	52.60	46.47	90.68	82.18	90.99	56.33	62.13	76.07	67.32	63.05	61.11	805.76
1952	Wet	59.28	56.48	57.15	90.68	85.12	90.99	69.37	68.45	76.43	81.39	74.90	67.29	877.53
1953	Wet	65.50	62.40	63.05	90.68	82.18	71.93	43.71	56.13	56.28	55.01	61.83	58.32	767.02
1954	Above Normal	47.64	43.79	38.98	13.94	55.66	34.74	48.22	61.61	61.91	59.90	68.56	64.30	599.25
1955	Dry	51.69	47.58	41.69	8.99	18.01	26.55	44.98	56.51	56.95	55.08	62.93	58.92	529.88
1956	Wet	47.21	43.42	38.28	51.76	78.84	90.99	66.93	70.66	79.70	82.38	77.63	69.50	797.30
1957	Above Normal	67.54	64.48	65.14	61.73	58.68	50.92	50.45	64.28	21.61	64.32	77.41	72.73	719.29
1958	Wet	57.97	53.68	47.07	10.19	67.77	67.60	86.35	89.64	87.22	90.68	90.92	88.06	837.15
1959	Below Normal	88.79	21.34	84.64	41.80	41.40	34.15	43.15	53.56	1.79	62.36	69.87	65.51	608.36
1960	Dry	52.03	47.93	42.38	4.52	7.23	20.33	57.79	69.69	36.98	71.70	45.67	80.90	537.15
1961	Dry	67.04	62.31	56.46	13.96	17.53	17.63	45.02	56.05	56.87	54.75	38.66	13.30	499.58
1962	Below Normal	0.36	29.45	84.64	4.75	7.99	26.42	47.84	60.39	21.36	70.14	79.02	74.11	506.47
1963	Wet	59.05	54.64	48.25	56.12	58.95	55.64	49.42	55.76	73.47	64.92	57.98	55.68	689.88
1964	Dry	51.19	48.14	47.11	44.90	85.12	58.75	55.83	60.07	59.22	60.32	62.34	59.78	692.77
1965	Wet	55.49	52.30	51.42	65.64	82.18	69.62	52.53	57.51	35.97	69.60	64.38	61.63	718.27
1966	Below Normal	56.20	52.68	51.04	82.82	79.81	54.35	45.77	56.44	56.45	55.41	61.31	57.89	710.17
1967	Wet	48.63	44.90	40.93	20.76	82.18	75.87	85.09	88.66	87.15	90.29	90.52	87.88	842.66
1968	Below Normal	88.36	78.20	84.64	48.83	48.34	36.18	44.14	55.17	1.87	64.13	71.63	67.31	688.80
1969	Wet	53.26	49.12	43.38	51.39	76.28	90.99	80.85	85.21	75.66	88.09	89.90	87.09	871.22
1970	Wet	87.81	84.47	81.77	90.68	82.18	90.99	64.64	60.56	75.41	72.77	61.48	59.51	912.27
1971	Wet	57.76	54.97	55.63	90.68	80.93	68.34	45.96	56.67	55.66	55.92	61.30	58.02	742.84
1972	Below Normal	49.23	45.63	42.01	35.45	66.31	54.34	48.47	59.08	59.40	57.78	64.82	61.02	643.54
1973	Above Normal	50.22	46.38	41.62	17.15	69.48	68.62	60.24	65.81	77.64	72.87	66.70	64.59	701.32
1974	Wet	62.74	59.83	60.43	90.68	82.18	90.99	82.43	66.18	77.86	80.40	68.26	65.14	887.12
1975	Wet	63.30	60.22	60.90	80.81	65.80	80.89	62.76	65.02	77.25	71.59	65.97	63.97	818.48
1976	Critical	62.02	59.28	59.83	50.26	52.49	37.78	49.79	62.64	44.38	62.85	31.00	75.50	647.82
1977	Critical	59.80	55.09	33.36	4.68	7.44	10.09	20.07	1.33	0.00	1.87	3.73	1.69	199.15
1978	Above Normal	0.47	11.75	55.47	4.10	17.99	56.36	56.62	65.69	75.00	71.91	80.57	66.09	562.02
1979	Below Normal	59.15	55.41	53.11	33.39	35.92	74.54	62.59	65.15	77.27	79.54	66.07	64.07	726.21
1980	Above Normal	62.12	59.36	59.83	76.50	78.84	90.99	68.27	74.42	81.24	83.88	84.19	74.89	894.53
1981	Dry	71.40	68.08	68.71	59.90	77.08	52.87	49.79	64.08	47.81	64.25	72.68	68.34	764.99
1982	Wet	55.31	51.07	45.29	50.97	63.50	67.01	84.15	87.23	86.70	89.61	89.80	86.98	857.62
1983	Wet	87.72	84.37	74.69	90.68	75.92	90.99	80.93	83.18	75.66	83.93	81.99	84.09	994.15
1984	Wet	87.42	78.88	50.14	90.68	85.12	90.99	55.38	61.75	75.83	74.55	62.71	60.80	874.25
1985	Dry	58.87	56.15	57.00	90.68	56.91	64.01	57.42	61.00	59.90	61.83	61.97	59.95	745.69
1986	Wet	58.24	55.51	56.16	52.01	55.04	90.99	87.04	90.45	87.24	90.99	90.99	88.06	902.72
1987	Dry	89.22	24.30	84.64	39.47	34.39	18.80	27.32	35.91	37.00	32.34	32.51	31.16	487.06
1988	Critical	20.64	16.41	14.51	4.38	12.23	10.15	20.61	28.45	29.34	25.93	25.76	24.63	233.04
1989	Dry	15.93	12.43	11.14	6.16	12.88	15.17	63.10	70.41	69.58	70.12	60.37	72.61	479.90
1990	Critical	65.56	61.89	59.83	32.81	32.87	22.66	31.54	41.75	43.00	37.59	37.72	36.21	503.43
1991	Critical	24.00	19.21	16.90	4.26	7.50	10.17	21.35	27.94	28.89	25.52	25.44	24.42	235.60
1992	Critical	15.89	12.42	11.13	4.22	7.42	10.07	28.16	37.21	38.20	33.43	31.89	32.78	262.82
1993	Above Normal	15.22	11.79	22.68	4.47	60.89	59.13	52.41	59.79	17.55	80.42	72.26	68.58	525.19
1994	Critical	59.98	56.02	52.65	29.11	32.60	33.46	49.85	62.42	23.30	65.69	6.13	20.82	492.03
1995	Wet	0.34	2.83	84.64	4.74	47.86	39.65	79.31	82.23	84.45	68.00	81.99	86.53	662.57
1996	Wet	39.41	0.17	65.94	39.98	35.66	58.67	59.53	61.29	71.64	75.53	64.50	60.25	632.57
1997	Wet	58.44	55.84	56.41	90.68	77.04	90.99	69.59	71.92	80.14	82.89	80.05	70.66	884.65
1998	Wet	68.69	65.63	66.27	61.01	79.15	90.99	66.55	66.06	77.61	79.76	67.49	65.33	854.54
1999	Wet	63.34	61.97	64.34	90.68	76.61	62.40	55.71	61.41	73.04	74.28	65.20	60.60	809.58
2000	Above Normal	58.77	56.02	56.70	55.28	84.14	57.37	54.50	62.65	76.61	67.49	66.82	63.46	759.81
2001	Dry	55.89	52.42	49.84	27.89	28.54	23.48	41.20	55.15	56.49	50.02	51.25	49.21	541.38
2002	Dry	33.40	27.55	24.14	8.66	18.08	25.69	67.31	69.64	67.50	70.41	18.65	78.03	509.06
2003	Above Normal	0.28	3.95	84.64										

Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	9.86	12.86	4.84	0.00	2.30
1923	Below Normal	0.00	0.00	(0.01)	0.00	0.00	(0.43)	(0.03)	0.03	17.96	1.77	0.07	0.05	1.62
1924	Critical	(0.02)	(0.03)	(0.06)	(0.31)	(0.25)	(0.07)	0.01	0.01	0.02	0.01	0.01	0.02	(0.06)
1925	Dry	0.00	0.00	0.00	0.00	(0.01)	(0.01)	0.03	0.04	0.04	0.03	0.04	0.04	0.02
1926	Dry	0.03	0.03	0.03	0.00	(0.02)	(0.01)	(0.05)	(0.04)	(0.04)	(0.03)	(0.04)	(0.04)	(0.02)
1927	Wet	(0.03)	(0.02)	(0.02)	0.00	(0.03)	0.00	0.00	0.00	11.82	7.86	0.00	0.00	1.63
1928	Above Normal	0.00	0.00	0.00	(0.01)	(0.04)	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
1929	Critical	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	1.01	0.08
1930	Dry	(0.02)	0.26	0.20	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.04
1931	Critical	0.00	0.00	(0.01)	0.00	(0.01)	0.00	(0.01)	(0.02)	(0.01)	(0.01)	(0.02)	(0.01)	(0.01)
1932	Dry	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	13.79	5.89	0.00	0.00	1.64
1933	Critical	0.00	0.00	0.00	0.00	(1.79)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.15)
1934	Critical	0.00	0.00	0.00	0.01	2.11	3.19	(0.66)	(0.96)	(1.19)	0.66	28.68	0.00	2.65
1935	Below Normal	(6.82)	(0.15)	1.74	0.10	(0.13)	(0.13)	(1.56)	(0.11)	0.17	(0.40)	0.64	0.34	(0.53)
1936	Below Normal	(1.04)	(1.25)	(2.01)	(4.71)	(4.03)	0.00	(0.01)	(0.01)	10.32	9.33	(0.02)	(0.02)	0.55
1937	Below Normal	(0.01)	0.00	0.00	0.00	0.95	(0.01)	0.00	0.00	2.06	1.90	1.55	1.45	0.66
1938	Wet	4.28	4.25	2.29	8.31	0.17	0.00	1.63	1.77	(4.35)	1.05	0.60	0.36	1.70
1939	Dry	3.98	4.18	2.11	17.64	0.39	(4.96)	(8.09)	(10.46)	19.67	(4.36)	4.30	(8.16)	1.35
1940	Above Normal	1.96	2.15	1.53	(0.08)	0.04	0.01	0.01	0.01	13.98	5.70	0.02	0.02	2.11
1941	Wet	0.01	0.01	0.01	(0.03)	0.00	(0.25)	(0.22)	(0.24)	9.62	10.78	6.43	(0.23)	2.16
1942	Wet	(0.23)	(0.22)	(0.22)	0.00	0.04	(0.39)	(0.03)	0.01	9.86	16.03	1.68	0.02	2.21
1943	Wet	(0.01)	(0.02)	(0.03)	(0.12)	(0.70)	(0.57)	(0.38)	(0.39)	6.43	6.45	6.27	5.94	1.91
1944	Dry	0.51	0.00	0.00	(2.96)	(2.64)	(0.87)	(0.01)	(0.01)	(0.02)	(0.01)	(0.01)	(0.02)	(0.50)
1945	Below Normal	(0.01)	(0.01)	(0.01)	0.00	(0.01)	(3.17)	0.10	0.11	11.54	11.78	4.54	0.11	2.08
1946	Below Normal	0.10	0.10	0.11	0.00	0.00	(0.16)	(0.39)	0.02	19.17	0.49	0.20	0.13	1.65
1947	Dry	(0.27)	(0.32)	(0.57)	(1.30)	(1.07)	(0.05)	0.20	0.21	0.20	0.20	0.21	0.21	(0.20)
1948	Below Normal	0.20	0.20	0.20	(2.78)	(2.21)	(0.81)	0.02	2.37	0.00	(0.02)	(0.05)	0.23	(0.22)
1949	Dry	0.09	0.04	(0.36)	(0.03)	(0.05)	(0.03)	(0.28)	(0.06)	(0.02)	(0.12)	(1.03)	0.37	(0.12)
1950	Below Normal	0.27	0.55	49.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.15
1951	Above Normal	0.00	0.00	0.00	15.57	5.59	0.00	0.07	0.06	15.29	4.50	0.06	0.06	3.43
1952	Wet	0.05	0.06	0.06	0.00	5.80	0.00	(0.31)	(12.62)	(2.34)	(0.39)	(7.23)	(12.38)	(2.44)
1953	Wet	(12.23)	(11.87)	(11.83)	0.00	7.00	28.07	1.56	1.74	54.86	(5.25)	(5.88)	(5.29)	3.41
1954	Above Normal	(2.83)	(2.62)	(1.89)	5.26	14.38	3.38	(0.32)	(0.15)	7.01	3.73	(1.48)	(1.45)	1.92
1955	Dry	(1.05)	(0.98)	(0.89)	0.06	0.55	0.71	1.07	1.38	1.38	1.32	1.52	1.43	0.54
1956	Wet	1.17	1.08	0.94	(1.70)	0.08	0.00	0.25	0.23	10.82	11.16	6.22	0.22	2.54
1957	Above Normal	0.21	0.22	0.21	0.08	0.07	(1.02)	(0.01)	(0.03)	(1.59)	(0.06)	0.15	0.15	(0.14)
1958	Wet	0.10	0.10	0.08	(0.01)	(0.05)	(0.04)	(0.03)	(0.03)	0.03	0.36	0.05	0.00	0.05
1959	Below Normal	2.75	21.17	0.00	2.99	(0.01)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	2.24
1960	Dry	0.01	0.00	0.00	0.00	0.01	(0.06)	0.01	0.01	0.12	0.00	0.41	(0.07)	0.04
1961	Dry	(0.06)	(0.05)	(0.03)	0.03	0.03	0.02	0.00	0.00	0.01	0.01	(0.06)	0.02	(0.01)
1962	Below Normal	0.00	0.33	46.06	0.00	0.00	0.01	0.00	0.00	19.67	0.00	0.00	(0.01)	5.51
1963	Wet	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	18.53	9.01	0.00	0.00	2.29
1964	Dry	0.00	0.00	0.01	0.09	0.00	0.04	0.00	(0.01)	(0.01)	(0.01)	(0.02)	(0.01)	0.01
1965	Wet	0.00	0.00	0.00	0.03	0.00	0.00	(0.01)	0.00	19.49	7.41	(0.44)	(0.43)	2.17
1966	Below Normal	(0.16)	(0.23)	(0.22)	(0.05)	(0.05)	0.00	0.01	0.00	0.00	0.00	0.00	(0.01)	(0.06)
1967	Wet	0.01	0.00	0.00	0.02	0.00	0.03	0.00	0.00	0.89	0.90	0.61	0.47	0.24
1968	Below Normal	3.33	(3.21)	2.67	5.62	(4.13)	(1.09)	0.20	0.26	0.00	0.30	0.35	0.32	0.39
1969	Wet	0.25	0.25	0.22	(0.21)	0.06	0.00	0.09	0.11	(7.24)	2.30	3.69	3.44	0.25
1970	Wet	6.35	6.48	3.17	1.78	5.49	0.00	6.92	(0.41)	15.67	11.06	(0.41)	(0.41)	4.64
1971	Wet	(0.40)	(0.37)	(0.38)	0.00	0.08	0.64	0.15	(0.09)	(0.13)	(0.03)	(0.24)	(0.18)	(0.08)
1972	Below Normal	0.06	0.10	0.24	1.28	0.52	0.32	0.08	0.04	0.02	0.04	0.00	0.01	0.23
1973	Above Normal	0.06	0.06	0.09	0.21	0.00	0.00	0.00	0.00	13.23	6.44	0.00	0.00	1.67
1974	Wet	0.00	0.00	0.00	0.00	6.19	0.00	0.15	(0.20)	12.76	13.27	0.91	(0.20)	2.74
1975	Wet	(0.19)	(0.19)	(0.18)	0.47	0.12	(0.12)	(0.09)	(0.10)	13.63	5.84	(0.10)	(0.10)	1.58
1976	Critical	(0.10)	(0.09)	(0.09)	(0.04)	(0.03)	0.07	0.11	0.14	0.50	0.10	(0.39)	0.15	0.03
1977	Critical	0.08	0.08	(1.89)	0.00	0.00	0.00	0.00	0.00	0.00	(0.04)	0.00	0.04	(0.14)
1978	Above Normal	0.00	0.98	17.67	0.00	0.00	(4.43)	(1.83)	0.19	10.53	6.29	12.66	1.01	3.59
1979	Below Normal	(1.55)	(1.95)	(3.38)	(9.26)	(7.91)	(5.88)	(2.77)	(2.95)	10.86	10.88	(2.98)	(2.89)	(1.65)
1980	Above Normal	(2.86)	(2.77)	(2.76)	23.38	0.17	0.00	(15.39)	(13.68)	(4.50)	(5.02)	(5.15)	(11.78)	(3.36)
1981	Dry	(13.21)	9.95	(15.93)	17.56	35.25	20.70	4.38	5.70	45.77	(3.47)	(3.46)	(3.12)	8.34
1982	Wet	(1.43)	(1.37)	(1.02)	2.95	2.10	(0.06)	(0.03)	(0.03)	1.69	1.73	1.48	1.34	0.61
1983	Wet	4.13	4.36	(5.91)	6.04	(6.26)	0.00	2.11	0.00	(5.46)	0.00	(2.33)	2.26	(0.09)
1984	Wet	1.98	1.92	(34.50)	0.00	5.58	0.00	0.00	0.00	15.55	12.00	0.00	0.00	0.21
1985	Dry	0.00	0.00	(0.02)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.23	(0.15)	0.13	0.00	0.00	0.04
1987	Dry	2.61	24.13	0.00	4.00	(0.04)	(0.01)	(0.01)	(0.02)	(0.02)	(0.01)	(0.01)	(0.02)	2.55
1988	Critical	(0.01)	(0.01)	0.00	0.00	0.02	0.00	0.00	0.35	0.35	0.30	0.31	0.30	0.13
1989	Dry	0.20	0.17	0.14	(0.05)	(0.09)	(0.12)	(0.27)	0.01	0.05	(0.05)	(7.00)	1.19	(0.49)
1990	Critical	0.82	0.73	0.55	(0.89)	(0.66)	(0.14)	0.24	0.33	0.34	0.29	0.29	0.28	0.18
1991	Critical	0.19	0.15	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.49)	(0.68)	(0.68)	(0.59)	(0.57)	(0.60)	(0.30)
1993	Above Normal	1.28	0.10	(1.70)	0.03	0.10	0.19	0.09	(0.01)	15.89	13.53	0.28	0.18	2.50
1994	Critical	0.22	0.16	0.05	0.42	0.37	0.05	(0.06)	(0.08)	2.12	(0.30)	4.15	0.64	0.65
1995	Wet	0.00	0.52	20.66	0.00	0.00	0.00	0.00	0.00	4.59	(14.91)	(1.47)	5.63	1.25
1996	Wet	(39.45)	(14.26)	29.24	0.06	(0.02)	(0.02)	(0.20)	(0.20)	11.62	13.31	2.00	(0.20)	0.16
1997	Wet	(0.20)	(0.19)	(0.20)	0.00	0.06	0.00	(0.01)	(0.01)	10.04	10.28	7.18	(0.02)	2.24
1998	Wet	(0.01)	(0.01)	(0.01)	(0.08)	0.01	0.00	0.70	(0.41)	12.87	12.37	(0.24)	(0.24)	2.08
1999	Wet	(0.23)	(0.23)	2.98	0.00	0.00	(0.01)	0.00	0.00	13.07	11.88	2.59	0.00	2.50
2000	Above Normal	0.00	0.00	0.00	(0.01)	0.03	(0.77)	(0.26)	0.04	14.64	5.09	0.19	0.13	1.59
2001	Dry	(0.15)	(0.20)	(0.35)	(1.11)	(0.92)	(0.27)	0.00	(0.02)	(0.02)	0.01	0.06	0.05	(0.24)
2002	Dry	0.06	0.08	0.07	0.00	0.00	(0.01)	(0.08)	(0.09)	(0.09)	(0.09)	(1.95)	0.47	(0.14)
2003	Above Normal	0.00	3.78	34.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.17
Average		(0.58)	0.56	1.59	1.08	0.73	0.38	(0.16)	(0.35)	6.13	2.85	0.76	(0.22)	1.06
Wet		(1.39)	(0.37)	0.21	0.67	0.99	1.05	0.48	(0.41)	9.01	5.56	0.82	0.00	1.38
Above Normal		(0.18)	0.16	3.95	3.70	1.70	(0.22)	(1.47)	(1.13)	7.86	4.42	0.96	(0.97)	1.57
Below Normal		(0.21)	1.12	6.74	(0.49)	(1.22)	(0.81)	(0.31)	(0.02)	6.56	2.58	0.31	(0.02)	1.19
Dry		(0.40)	2.07	(0.87)	1.89	1.74	0.84	(0.17)	(0.19)	4.49	(0.04)	(0.39)	(0.43)	0.71
Critical		0.10	0.08	(0.11)	(0									

Percent Difference in Energy Use (GWh) At Pumping Plant at Pearblossom: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	17%	21%	8%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	32%	3%	0%	0%
1924	Critical	0%	0%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	19%	12%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	67%
1930	Dry	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	27%	12%	0%	0%
1933	Critical	0%	0%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	23%	18%	-2%	-2%	-2%	1%	164%	0%
1935	Below Normal	-12%	0%	4%	2%	-1%	-1%	-2%	0%	0%	-1%	1%	0%
1936	Below Normal	-2%	-2%	-3%	-13%	-10%	0%	0%	0%	15%	13%	0%	0%
1937	Below Normal	0%	0%	0%	0%	1%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	5%	5%	3%	14%	0%	0%	2%	2%	-5%	1%	1%	0%
1939	Dry	5%	5%	3%	28%	1%	-11%	-16%	-16%	>1,000%	-6%	218%	-13%
1940	Above Normal	613%	>1,000%	3%	-2%	0%	0%	0%	0%	40%	9%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	15%	9%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	18%	29%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	-1%	0%	8%	8%	8%	8%
1944	Dry	1%	0%	0%	-8%	-8%	-3%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-3%	0%	0%	17%	17%	6%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	36%	1%	0%	0%
1947	Dry	-1%	-1%	-1%	-3%	-2%	0%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-6%	-5%	-3%	0%	181%	0%	0%	0%	0%
1949	Dry	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%	-6%	0%
1950	Below Normal	0%	6%	301%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	21%	7%	0%	0%	0%	25%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	7%	0%	0%	-16%	-3%	0%	-9%	-16%
1953	Wet	-16%	-16%	-16%	0%	9%	64%	4%	3%	>1,000%	-9%	-9%	-8%
1954	Above Normal	-6%	-6%	-5%	61%	35%	11%	-1%	0%	13%	7%	-2%	-2%
1955	Dry	-2%	-2%	-2%	1%	3%	3%	2%	3%	2%	2%	2%	2%
1956	Wet	3%	3%	3%	-3%	0%	0%	0%	0%	16%	16%	9%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-7%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	3%	>1,000%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	1%	119%	0%	0%	0%	0%	0%	>1,000%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	34%	16%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	118%	12%	-1%	-1%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	-4%	3%	13%	-8%	-3%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	1%	1%	0%	0%	0%	0%	0%	-9%	3%	4%	4%
1970	Wet	8%	8%	4%	2%	7%	0%	12%	-1%	26%	18%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	4%	1%	1%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	21%	10%	0%	0%
1974	Wet	0%	0%	0%	0%	8%	0%	0%	0%	20%	20%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	21%	9%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	-1%	0%
1977	Critical	0%	0%	-5%	0%	0%	0%	0%	0%	0%	-2%	0%	2%
1978	Above Normal	0%	9%	47%	0%	0%	-7%	-3%	0%	16%	10%	19%	2%
1979	Below Normal	-3%	-3%	-6%	-22%	-18%	-7%	-4%	-4%	16%	16%	-4%	-4%
1980	Above Normal	-4%	-4%	-4%	44%	0%	0%	-18%	-16%	-5%	-6%	-6%	-14%
1981	Dry	-16%	17%	-19%	41%	84%	64%	10%	10%	>1,000%	-5%	-5%	-4%
1982	Wet	-3%	-3%	-2%	6%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	5%	5%	-7%	7%	-8%	0%	3%	0%	-7%	0%	-3%	3%
1984	Wet	2%	2%	-41%	0%	7%	0%	0%	0%	26%	19%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1987	Dry	3%	>1,000%	0%	11%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	-1%	-1%	0%	0%	0%	0%	-10%	2%
1990	Critical	1%	1%	1%	-3%	-2%	-1%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-2%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	9%	1%	-7%	1%	0%	0%	0%	0%	957%	20%	0%	0%
1994	Critical	0%	0%	0%	1%	1%	0%	0%	0%	10%	0%	210%	3%
1995	Wet	0%	23%	32%	0%	0%	0%	0%	0%	6%	-18%	-2%	7%
1996	Wet	-50%	-99%	80%	0%	0%	0%	0%	0%	19%	21%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	14%	14%	10%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	1%	-1%	20%	18%	0%	0%
1999	Wet	0%	0%	5%	0%	0%	0%	0%	0%	22%	19%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	24%	8%	0%	0%
2001	Dry	0%	0%	-1%	-4%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-9%	1%
2003	Above Normal	0%	>1,000%	68%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		7%	-1%	7%	2%	2%	1%	0%	2%	21%	4%	8%	1%
Wet		-2%	-3%	2%	1%	1%	2%	1%	0%	15%	9%	1%	0%
Above Normal		51%	0%	8%	10%	4%	0%	-2%	-1%	92%	7%	2%	-1%
Below Normal		-1%	0%	30%	-1%	-3%	-1%	0%	13%	8%	4%	0%	0%
Dry		0%	1%	-1%	4%	4%	3%	0%	0%	2%	0%	11%	-1%
Critical		0%	0%	0%	0%	1%	1%	0%	0%	1%	0%	31%	6%

Energy Use (GWh) At Pumping Plant at South Bay: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	21.07	9.69	10.53	2.74	8.69	17.92	14.15	12.52	13.37	13.45	12.77	12.99	149.89
1923	Below Normal	3.69	5.15	8.08	11.40	8.81	15.11	9.62	9.51	11.56	13.28	12.76	11.86	120.83
1924	Critical	2.25	3.19	5.66	0.85	1.32	10.21	6.93	4.98	5.93	6.68	6.72	6.32	61.04
1925	Dry	1.27	0.94	0.47	0.03	0.03	16.91	6.91	10.52	13.26	15.62	14.78	13.46	94.20
1926	Dry	3.82	3.97	6.13	0.77	1.04	10.82	8.06	8.77	11.04	12.93	12.22	11.10	90.67
1927	Wet	2.05	2.27	5.01	1.01	4.98	19.24	15.47	13.88	14.43	14.22	13.45	13.98	119.99
1928	Above Normal	4.81	6.26	9.22	1.27	2.44	10.95	17.29	15.83	16.15	15.77	14.93	15.81	130.73
1929	Critical	6.55	7.75	10.67	0.89	1.22	9.63	6.64	5.35	6.41	7.23	7.27	4.00	73.61
1930	Dry	1.35	1.00	0.50	0.14	0.99	10.08	8.68	7.40	9.16	10.49	10.32	9.55	69.66
1931	Critical	1.87	1.21	2.42	0.45	0.97	10.29	7.67	6.04	7.10	8.13	8.12	7.59	61.86
1932	Dry	1.55	1.15	0.57	0.04	0.04	19.31	5.23	8.07	10.13	11.87	11.31	10.39	79.66
1933	Critical	1.88	1.16	4.57	0.63	18.08	7.49	4.34	7.47	9.23	10.77	10.48	9.67	85.77
1934	Critical	1.89	1.19	2.74	0.49	0.88	10.44	8.22	6.87	8.18	9.23	9.32	2.47	61.92
1935	Below Normal	1.79	3.02	4.97	0.33	1.34	10.74	14.93	13.80	15.06	15.60	14.79	14.82	111.19
1936	Below Normal	5.44	6.27	8.93	0.86	1.76	21.07	15.33	15.36	15.83	15.59	14.78	15.44	136.66
1937	Below Normal	6.17	7.37	10.27	0.97	18.47	8.50	15.73	18.60	18.96	18.56	17.57	18.62	159.79
1938	Wet	9.21	9.92	12.66	1.70	11.35	21.07	19.30	19.08	19.79	19.40	18.44	19.24	181.16
1939	Dry	9.61	10.16	12.77	1.44	2.16	11.57	11.03	10.65	12.99	15.80	15.00	13.76	126.94
1940	Above Normal	4.03	4.10	6.24	0.77	0.83	11.48	10.81	10.67	13.41	15.65	14.90	13.62	106.51
1941	Wet	3.95	4.04	6.19	5.28	9.55	18.91	16.62	15.18	15.84	15.62	14.82	15.33	141.33
1942	Wet	5.98	7.19	10.03	10.33	9.07	16.58	11.49	10.32	12.09	13.19	12.59	11.97	130.83
1943	Wet	2.57	3.67	6.32	9.57	9.64	18.04	17.89	16.67	17.32	17.11	16.25	16.85	151.90
1944	Dry	7.34	3.37	13.99	1.02	1.30	10.61	8.82	7.73	9.44	10.94	10.67	9.95	95.18
1945	Below Normal	1.89	1.15	3.18	0.81	1.33	21.07	14.96	14.91	15.49	15.21	14.39	15.08	119.47
1946	Below Normal	5.81	7.08	10.01	11.54	10.04	17.50	12.47	11.43	12.38	12.59	11.98	12.00	134.83
1947	Dry	2.75	4.35	7.28	1.27	10.87	2.59	17.33	15.80	16.09	15.70	14.86	15.82	124.71
1948	Below Normal	6.50	7.71	10.63	0.91	1.23	9.56	7.50	8.95	11.28	13.23	12.54	11.45	101.49
1949	Dry	2.09	2.63	5.16	0.93	1.27	10.68	12.34	11.87	14.27	16.15	15.28	14.38	107.05
1950	Below Normal	4.72	4.90	7.11	0.48	0.83	10.33	10.23	9.47	11.84	14.00	13.28	12.12	99.31
1951	Above Normal	2.59	3.13	5.47	21.07	16.99	14.93	10.57	13.32	14.04	13.83	13.20	13.53	142.67
1952	Wet	4.24	5.73	8.64	10.65	10.79	18.50	15.85	17.21	17.86	17.68	16.80	17.43	161.38
1953	Wet	7.90	8.70	11.39	10.65	2.84	11.31	9.43	8.60	10.91	13.00	12.40	11.40	118.53
1954	Above Normal	1.79	2.60	5.02	1.06	5.67	11.91	10.54	10.14	12.72	15.05	14.26	13.08	103.84
1955	Dry	3.39	3.68	5.88	1.10	1.37	11.14	9.86	9.15	11.44	13.46	12.82	11.73	95.02
1956	Wet	2.24	2.86	5.26	21.07	17.33	16.61	12.54	15.10	15.91	15.65	14.90	15.32	154.79
1957	Above Normal	5.90	7.09	9.88	1.32	1.90	13.36	10.79	10.51	13.32	15.60	14.80	13.58	118.05
1958	Wet	3.83	3.98	6.13	1.19	10.43	19.06	20.06	19.15	19.81	19.43	18.56	19.34	160.97
1959	Below Normal	9.72	10.22	12.82	1.42	2.19	11.53	9.94	8.97	11.31	13.31	12.57	11.48	115.48
1960	Dry	2.08	2.73	5.15	0.70	0.68	10.70	12.33	11.91	14.45	16.30	15.41	14.43	106.87
1961	Dry	4.80	4.93	7.15	0.80	1.36	10.21	9.97	9.04	2.14	15.53	14.85	13.49	94.27
1962	Below Normal	0.00	6.04	7.67	0.71	1.06	11.16	10.41	9.82	12.37	14.54	13.81	12.61	100.20
1963	Wet	3.06	3.45	5.72	10.85	8.96	16.92	11.74	11.12	12.37	12.82	12.27	12.08	121.36
1964	Dry	2.79	4.18	7.00	2.27	11.04	14.91	13.78	12.25	13.36	13.78	13.11	13.08	121.55
1965	Wet	3.84	5.07	7.88	6.50	9.69	17.54	12.76	11.31	12.58	13.25	12.68	12.30	125.40
1966	Below Normal	3.07	4.32	7.07	10.72	8.90	15.28	10.11	9.68	11.75	13.24	12.80	11.90	118.84
1967	Wet	2.34	3.27	5.76	1.23	11.93	20.01	19.70	18.94	19.62	19.34	18.43	19.17	159.74
1968	Below Normal	9.54	10.10	12.69	1.52	2.72	11.57	9.94	9.06	11.45	13.43	12.71	11.67	116.40
1969	Wet	2.17	2.82	5.21	9.98	19.03	15.78	15.08	18.10	18.86	18.55	17.70	18.29	161.57
1970	Wet	8.65	9.35	11.97	11.73	10.34	21.07	11.83	13.11	13.81	13.64	12.95	13.26	151.71
1971	Wet	4.00	5.55	8.48	10.70	9.08	14.75	10.05	9.85	11.89	13.42	12.89	12.05	122.71
1972	Below Normal	2.49	3.42	5.93	3.57	8.87	16.23	10.64	9.86	12.16	14.02	13.46	12.40	113.05
1973	Above Normal	2.77	3.44	5.82	3.97	19.03	12.72	11.58	14.31	14.94	14.64	13.91	14.37	131.50
1974	Wet	5.12	6.48	9.40	11.57	11.54	19.40	15.76	14.23	15.05	14.80	14.11	14.47	151.93
1975	Wet	5.13	6.41	9.27	6.33	3.13	19.05	15.57	14.00	14.54	14.24	13.54	14.11	135.32
1976	Critical	4.84	6.28	9.24	1.23	1.82	11.19	10.60	10.25	12.00	15.22	14.40	13.22	110.29
1977	Critical	3.59	3.80	6.02	0.75	0.70	9.36	6.14	3.36	0.00	1.69	0.82	4.50	40.73
1978	Above Normal	0.00	2.01	4.38	0.31	1.41	17.86	13.70	13.47	14.45	14.79	14.03	14.16	110.57
1979	Below Normal	4.90	5.94	8.71	1.10	1.80	19.89	16.22	14.74	15.21	14.91	14.12	14.82	132.36
1980	Above Normal	5.54	6.86	9.81	13.37	11.89	12.67	15.85	18.85	19.54	19.23	18.28	19.03	170.92
1981	Dry	9.47	10.03	12.63	1.35	1.98	11.12	10.13	9.67	12.20	14.21	13.48	12.33	118.60
1982	Wet	2.76	3.26	5.56	9.31	9.33	18.77	19.35	18.44	19.15	18.83	17.95	18.61	161.32
1983	Wet	9.02	9.63	20.67	16.83	11.72	11.59	14.66	17.65	18.43	18.16	17.38	17.93	183.67
1984	Wet	20.26	16.94	16.45	18.07	14.96	14.82	10.42	13.31	14.00	13.85	13.17	13.51	179.76
1985	Dry	4.14	5.65	20.53	10.74	8.88	6.31	14.56	13.06	13.88	13.65	12.93	13.21	137.54
1986	Wet	4.02	5.54	8.50	0.91	13.64	14.04	16.15	19.16	19.75	19.31	18.35	19.18	158.55
1987	Dry	9.73	10.29	12.93	1.06	1.35	9.58	6.88	4.69	5.57	6.17	6.25	5.86	80.36
1988	Critical	1.15	0.85	0.42	0.03	0.04	6.52	6.21	3.73	4.52	5.20	5.13	4.78	38.58
1989	Dry	0.93	0.69	0.34	0.04	0.04	5.85	14.62	13.69	15.09	15.81	14.93	14.88	96.91
1990	Critical	5.50	6.24	8.83	0.84	1.24	9.99	7.27	5.25	6.30	7.14	7.17	6.74	72.51
1991	Critical	1.35	0.99	0.49	0.03	0.03	7.18	6.24	3.70	4.46	5.11	5.05	4.78	39.41
1992	Critical	0.91	0.67	0.33	0.03	0.02	4.54	7.00	4.95	5.80	6.54	6.60	6.17	43.56
1993	Above Normal	1.22	0.90	0.45	0.03	5.73	17.71	12.24	11.14	12.93	14.06	13.44	12.84	102.69
1994	Critical	3.37	4.26	6.83	1.16	1.77	11.67	10.72	10.27	10.01	15.74	14.96	13.72	104.48
1995	Wet	2.40	5.04	6.96	0.77	7.26	13.68	18.86	17.63	18.15	17.80	16.90	17.77	143.22
1996	Wet	8.34	9.18	11.92	6.82	4.33	17.50	15.05	13.22	13.81	13.62	12.95	13.33	140.07
1997	Wet	4.15	5.70	8.69	10.72	10.46	21.07	14.78	15.43	16.12	15.84	15.11	15.59	153.66
1998	Wet	6.12	7.28	10.06	1.33	9.83	18.74	15.91	14.35	15.01	14.84	14.14	14.63	142.24
1999	Wet	5.31	20.39	14.35	13.16	14.54	14.83	10.49	13.24	13.96	13.70	13.13	13.45	160.55
2000	Above Normal	4.19	5.66	8.57	1.25	7.13	15.06	12.92	12.16	13.78	14.67	13.98	13.61	122.98
2001	Dry	4.15	4.97	7.56	0.82	1.24	10.50	8.25	7.15	8.48	9.52	9.56	9.01	81.21
2002	Dry	1.81	1.30	0.87	0.68	1.42	11.11	16.79	15.12	15.51	15.16	14.31	15.19	109.27
2003	Above Normal	5.94	7.26	10.21	1.00	1.63	11.27	9.82	9.06	11.40	13.45	12.71	11.65	105.40
Average		4.54	5.23	7.65	4.21	6.02	13.64	12.06	11.75	12.88	13.84	13.20	12.94	117.96
Wet		5.33	6.68	9.17	8.39	10.22	17.26</							

Energy Use (GWh) At Pumping Plant at South Bay: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	21.07	9.69	10.53	2.74	8.69	17.92	14.15	12.52	13.37	13.45	12.77	12.99	149.89
1923	Below Normal	3.69	5.15	8.08	11.40	8.80	15.04	9.60	9.50	11.55	13.28	12.77	11.86	120.72
1924	Critical	2.25	3.18	5.65	0.85	1.32	10.21	6.93	4.98	5.93	6.68	6.72	6.32	61.02
1925	Dry	1.27	0.94	0.47	0.03	0.03	16.91	6.91	10.53	13.26	15.62	14.79	13.46	94.22
1926	Dry	3.82	3.97	6.14	0.77	1.04	10.82	8.05	8.77	11.03	12.93	12.21	11.09	90.64
1927	Wet	2.05	2.26	5.00	1.01	4.98	19.24	15.47	13.88	14.43	14.22	13.45	13.98	119.97
1928	Above Normal	4.81	6.26	9.22	1.27	2.43	10.95	17.29	15.83	16.15	15.77	14.93	15.81	130.72
1929	Critical	6.55	7.75	10.67	0.89	1.22	9.62	6.64	5.35	6.41	7.22	7.27	4.00	73.59
1930	Dry	1.35	1.00	0.50	0.14	0.99	10.08	8.68	7.40	9.16	10.49	10.32	9.55	69.66
1931	Critical	1.87	1.21	2.42	0.45	0.97	10.29	7.67	6.04	7.10	8.13	8.12	7.59	61.86
1932	Wet	1.55	1.15	0.57	0.04	0.04	19.30	5.23	8.07	10.12	11.87	11.31	10.39	79.64
1933	Critical	1.88	1.15	4.57	0.63	18.08	7.49	4.34	7.47	9.23	10.77	10.48	9.67	85.76
1934	Critical	1.89	1.19	2.74	0.49	1.07	10.71	8.62	7.35	8.91	10.21	10.09	1.31	64.58
1935	Below Normal	3.11	4.24	5.77	0.44	1.33	10.74	14.26	13.37	14.93	15.78	14.96	14.74	113.67
1936	Below Normal	5.30	5.95	8.51	0.86	1.74	21.07	15.34	15.36	15.83	15.59	14.78	15.44	135.77
1937	Below Normal	6.17	7.37	10.27	0.97	18.47	8.50	15.73	18.61	18.96	18.56	17.57	18.62	159.80
1938	Wet	9.21	9.92	12.66	1.50	11.03	20.06	20.06	19.19	19.89	19.50	18.53	19.35	180.90
1939	Dry	9.71	10.25	12.86	1.43	2.02	10.98	9.97	9.03	11.32	13.33	12.64	11.57	115.11
1940	Above Normal	2.10	2.76	5.19	0.70	0.84	11.48	10.81	10.67	13.41	15.66	14.91	13.63	102.16
1941	Wet	3.95	4.04	6.19	5.27	9.55	18.87	16.58	15.13	15.79	15.57	14.78	15.28	141.00
1942	Wet	5.93	7.15	9.99	10.34	9.08	16.53	11.48	10.31	12.08	13.20	12.60	11.97	130.66
1943	Wet	2.57	3.67	6.31	9.57	9.55	17.95	17.82	16.59	17.23	17.02	16.17	16.76	151.21
1944	Dry	7.27	3.35	13.97	1.02	1.30	10.62	8.82	7.73	9.44	10.94	10.67	9.95	95.08
1945	Below Normal	1.89	1.15	3.18	0.81	1.33	21.07	14.83	14.93	15.51	15.23	14.40	15.10	119.43
1946	Below Normal	5.83	7.09	10.03	11.53	10.03	17.49	12.29	11.30	12.33	12.63	12.02	11.98	134.55
1947	Dry	2.71	4.26	7.16	1.27	13.72	0.30	16.82	15.84	16.13	15.74	14.90	15.86	124.71
1948	Below Normal	6.54	7.74	10.66	0.91	1.23	9.56	7.50	8.95	11.29	13.25	12.55	11.46	101.64
1949	Dry	2.09	2.65	5.17	0.92	1.26	10.68	12.23	11.78	14.23	16.16	15.29	14.35	106.81
1950	Below Normal	4.68	4.84	7.04	0.48	0.83	10.33	10.23	9.47	11.84	14.00	13.28	12.12	99.14
1951	Above Normal	2.59	3.13	5.47	21.07	16.85	14.94	10.58	13.33	14.06	13.84	13.21	13.54	142.61
1952	Wet	4.25	5.74	8.66	10.65	10.78	18.48	15.83	14.65	15.29	15.19	14.44	14.87	148.83
1953	Wet	5.50	6.73	9.58	12.03	8.74	13.88	9.46	9.08	11.37	13.32	12.77	11.84	124.30
1954	Above Normal	2.14	2.98	5.41	1.13	8.19	12.53	10.45	10.05	12.63	14.95	14.20	13.02	107.68
1955	Dry	3.30	3.63	5.84	1.11	1.41	11.22	10.00	9.36	11.71	13.77	13.12	12.01	96.48
1956	Wet	2.49	3.03	5.39	10.02	19.71	20.09	12.59	15.15	15.95	15.69	14.94	15.37	150.42
1957	Above Normal	5.95	7.12	9.91	1.32	1.91	13.16	10.80	10.51	13.32	15.61	14.80	13.58	117.99
1958	Wet	3.84	3.98	6.13	1.19	10.42	19.05	20.06	19.15	19.80	19.42	18.55	19.33	160.92
1959	Below Normal	9.71	10.22	12.82	1.42	2.18	11.53	9.94	8.97	11.31	13.31	12.57	11.48	115.46
1960	Dry	2.08	2.73	5.15	0.70	0.68	10.69	12.33	11.92	14.46	16.30	15.41	14.43	106.88
1961	Dry	4.80	4.94	7.15	0.80	1.36	10.22	9.97	9.05	1.75	15.62	14.91	13.56	94.13
1962	Below Normal	0.00	6.14	7.75	0.71	1.06	11.16	10.41	9.82	12.37	14.54	13.81	12.61	100.38
1963	Wet	3.06	3.45	5.72	10.85	8.96	16.92	11.74	11.12	12.37	12.82	12.27	12.08	121.36
1964	Dry	2.79	4.18	7.00	2.29	11.04	14.91	13.78	12.25	12.96	13.86	13.19	13.15	121.40
1965	Wet	3.91	5.11	7.93	6.50	9.69	17.54	12.75	11.31	12.58	13.25	12.68	12.30	125.55
1966	Below Normal	3.07	4.32	7.07	10.73	8.90	15.29	10.11	9.68	11.75	13.24	12.79	11.90	118.85
1967	Wet	2.34	3.27	5.76	1.23	11.93	20.01	19.70	18.94	19.62	19.34	18.43	19.17	159.74
1968	Below Normal	9.54	10.10	12.69	1.51	2.52	11.57	9.97	9.11	11.50	13.49	12.77	11.72	116.49
1969	Wet	2.22	2.85	5.24	9.94	19.03	15.68	1.25	18.11	18.87	18.57	17.71	18.31	147.78
1970	Wet	8.67	9.36	11.98	11.49	10.13	21.07	11.67	13.01	13.71	13.54	12.85	13.16	150.64
1971	Wet	3.91	5.48	8.42	10.73	9.11	14.95	10.12	9.91	11.91	13.39	12.86	12.04	122.83
1972	Below Normal	2.50	3.46	5.98	3.65	8.80	16.23	10.67	9.89	12.17	14.02	13.47	12.40	113.24
1973	Above Normal	2.78	3.45	5.84	3.59	19.03	12.72	11.58	14.31	14.94	14.64	13.91	14.37	131.16
1974	Wet	5.12	6.48	9.40	11.57	11.51	19.37	15.73	14.19	15.01	14.75	14.07	14.43	151.63
1975	Wet	5.09	6.38	9.24	6.46	3.17	19.03	15.55	13.98	14.52	14.22	13.52	14.09	135.25
1976	Critical	4.82	6.26	9.23	1.23	1.82	11.19	10.61	10.27	12.00	15.26	14.44	13.25	110.38
1977	Critical	3.62	3.82	6.03	0.75	0.70	9.36	6.14	3.36	0.00	1.69	0.82	4.50	40.79
1978	Above Normal	0.41	1.74	4.24	0.31	1.41	16.96	12.87	12.71	14.22	15.16	14.39	14.07	108.49
1979	Below Normal	4.69	5.40	7.98	1.09	1.78	19.38	15.71	14.13	14.58	14.31	13.54	14.20	126.79
1980	Above Normal	4.97	6.40	9.39	8.62	19.71	14.06	12.89	15.94	16.66	16.44	15.64	16.14	156.86
1981	Dry	6.75	7.78	10.54	1.35	4.72	13.50	10.63	10.71	13.38	15.46	14.70	13.55	123.07
1982	Wet	3.83	4.09	6.27	9.42	9.52	18.76	19.35	18.43	19.15	18.82	17.95	18.60	164.19
1983	Wet	9.01	9.63	12.25	21.07	15.98	0.00	0.15	2.37	3.56	17.20	17.38	17.93	126.53
1984	Wet	20.26	16.94	16.45	3.40	0.82	10.97	10.42	13.31	14.00	13.85	13.17	13.51	147.10
1985	Dry	4.14	5.65	20.53	10.75	8.88	6.31	14.56	13.06	13.88	13.65	12.93	13.21	137.55
1986	Wet	4.02	5.54	8.50	0.91	1.68	21.07	20.20	19.25	19.84	19.40	18.44	19.26	158.11
1987	Dry	9.81	10.35	12.98	1.06	1.35	9.58	6.88	4.68	5.57	6.17	6.25	5.85	80.53
1988	Critical	1.15	0.85	0.42	0.03	0.04	6.52	6.21	3.77	4.56	5.25	5.18	4.83	38.81
1989	Dry	0.94	0.69	0.35	0.04	0.04	5.89	14.50	13.62	15.07	15.85	14.97	14.87	96.83
1990	Critical	5.48	6.18	8.75	0.84	1.25	10.01	7.29	5.29	6.34	7.20	7.22	6.79	72.64
1991	Critical	1.36	1.00	0.50	0.03	0.03	7.25	6.24	3.70	4.46	5.11	5.05	4.78	39.51
1992	Critical	0.91	0.67	0.33	0.03	0.02	4.54	6.96	4.87	5.71	6.44	6.49	6.08	43.05
1993	Above Normal	1.19	0.88	0.44	0.03	5.61	17.74	12.29	11.17	12.94	14.05	13.43	12.85	102.62
1994	Critical	3.38	4.28	6.86	1.16	1.77	11.66	10.71	10.25	10.01	15.73	14.96	13.70	104.47
1995	Wet	2.40	4.99	6.94	0.77	7.25	13.68	18.66	17.63	18.15	17.80	16.90	17.77	143.14
1996	Wet	8.34	3.82	14.49	6.84	4.33	17.50	15.02	13.18	13.77	13.58	12.91	13.29	137.07
1997	Wet	4.11	5.67	8.67	10.72	10.46	21.07	14.79	15.43	16.12	15.84	15.11	15.58	153.57
1998	Wet	6.12	7.28	10.06	1.33	9.82	18.74	15.92	14.27	14.92	14.76	14.06	14.55	141.83
1999	Wet	5.23	20.39	14.29	13.26	14.54	14.83	10.49	13.24	13.96	13.70	13.13	13.45	160.51
2000	Above Normal	4.19	5.66	8.57	1.25	7.14	14.90	12.80	12.08	13.76	14.71	14.02	13.80	122.68
2001	Dry	4.14	4.92	7.48	0.82	1.24	10.51	8.26	7.16	8.49	9.53	9.57	9.02	81.14
2002	Dry	1.82	1.30	0.90	0.68	1.42	11.11	16.77	15.10	15.49	15.14	14.30	15.17	109.20
2003	Above Normal	5.93	7.24	10.20	1.00	1.63	11.27	9.82	9.06	11.40	13.45	12.71	11.65	105.36
	Average	4.49	5.11	7.52	3.91	6.04	13.60	11.69	11.47	12.62	13.77	13.15	12.84	116.20
	Wet	5.29	6.43	8.90	7.62	9.68	17.13							

Difference in Energy Use (GWh) At Pumping Plant at South Bay: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1923	Below Normal	0.00	0.00	0.00	0.00	(0.01)	(0.07)	(0.02)	(0.01)	(0.01)	0.00	0.01	0.00	(0.01)
1924	Critical	0.00	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1925	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
1926	Dry	0.00	0.00	0.01	0.00	0.00	0.00	(0.01)	0.00	(0.01)	0.00	(0.01)	(0.01)	0.00
1927	Wet	0.00	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1928	Above Normal	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1929	Critical	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00
1930	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1931	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1932	Dry	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00
1933	Critical	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1934	Critical	0.00	0.00	0.00	0.00	0.19	0.27	0.40	0.48	0.73	0.98	0.77	(1.16)	0.22
1935	Below Normal	1.32	1.22	0.80	0.11	(0.01)	0.00	(0.67)	(0.43)	(0.13)	0.18	0.17	(0.08)	0.21
1936	Below Normal	(0.14)	(0.32)	(0.42)	0.00	(0.02)	0.00	0.01	0.00	0.00	0.00	0.00	0.00	(0.07)
1937	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1938	Wet	0.00	0.00	0.00	(0.20)	(0.32)	(1.01)	0.76	0.11	0.10	0.10	0.09	0.11	(0.02)
1939	Dry	0.10	0.09	0.09	(0.01)	(0.14)	(0.59)	(1.06)	(1.62)	(1.67)	(2.47)	(2.36)	(2.19)	(0.99)
1940	Above Normal	(1.93)	(1.34)	(1.05)	(0.07)	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	(0.36)
1941	Wet	0.00	0.00	0.00	(0.01)	0.00	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.04)	(0.05)	(0.03)
1942	Wet	(0.05)	(0.04)	(0.04)	0.01	0.01	(0.05)	(0.01)	(0.01)	(0.01)	0.01	0.01	0.00	(0.01)
1943	Wet	0.00	0.00	(0.01)	0.00	(0.09)	(0.09)	(0.07)	(0.08)	(0.09)	(0.09)	(0.08)	(0.09)	(0.06)
1944	Dry	(0.07)	(0.02)	(0.02)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1945	Below Normal	0.00	0.00	0.00	0.00	0.00	0.00	(0.13)	0.02	0.02	0.02	0.01	0.02	0.00
1946	Below Normal	0.02	0.01	0.02	(0.01)	(0.01)	(0.01)	(0.18)	(0.13)	(0.05)	0.04	0.04	(0.02)	(0.02)
1947	Dry	(0.04)	(0.09)	(0.12)	0.00	2.85	(2.29)	(0.51)	0.04	0.04	0.04	0.04	0.04	0.00
1948	Below Normal	0.04	0.03	0.03	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.01
1949	Dry	0.00	0.02	0.01	(0.01)	(0.01)	0.00	(0.11)	(0.09)	(0.04)	0.01	0.01	(0.03)	(0.02)
1950	Below Normal	(0.04)	(0.06)	(0.07)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1951	Above Normal	0.00	0.00	0.00	0.00	(0.14)	0.01	0.01	0.01	0.02	0.01	0.01	0.01	0.00
1952	Wet	0.01	0.01	0.02	0.00	(0.01)	(0.02)	(0.02)	(2.56)	(2.57)	(2.49)	(2.36)	(2.56)	(1.05)
1953	Wet	(2.40)	(1.97)	(1.81)	1.38	5.90	2.57	0.03	0.48	0.46	0.32	0.37	0.44	0.48
1954	Above Normal	0.35	0.38	0.39	0.07	2.52	0.62	(0.09)	(0.09)	(0.09)	(0.10)	(0.06)	(0.06)	0.32
1955	Dry	(0.09)	(0.05)	(0.04)	0.01	0.04	0.08	0.14	0.21	0.27	0.31	0.30	0.28	0.12
1956	Wet	0.25	0.17	0.13	(11.05)	2.38	3.48	0.05	0.05	0.04	0.04	0.04	0.05	(0.36)
1957	Above Normal	0.05	0.03	0.03	0.00	0.01	(0.20)	0.01	0.00	0.00	0.01	0.00	0.00	0.00
1958	Wet	0.01	0.00	0.00	0.00	(0.01)	(0.01)	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	0.00
1959	Below Normal	(0.01)	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1960	Dry	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.01	0.01	0.00	0.00	0.00	0.00
1961	Dry	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.01	(0.39)	0.09	0.06	0.07	(0.01)
1962	Below Normal	0.00	0.10	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1964	Dry	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	(0.40)	0.08	0.08	0.07	(0.01)
1965	Wet	0.07	0.04	0.05	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.01
1966	Below Normal	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00
1967	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1968	Below Normal	0.00	0.00	0.00	(0.01)	(0.20)	0.00	0.03	0.05	0.05	0.06	0.06	0.05	0.01
1969	Wet	0.05	0.03	0.03	(0.04)	(0.00)	(0.10)	(13.83)	0.01	0.01	0.02	0.01	0.02	(1.15)
1970	Wet	0.02	0.01	0.01	(0.24)	(0.21)	0.00	(0.16)	(0.10)	(0.10)	(0.10)	(0.10)	(0.10)	(0.09)
1971	Wet	(0.09)	(0.07)	(0.06)	0.03	0.03	0.20	0.07	0.06	0.02	(0.03)	(0.03)	(0.01)	0.01
1972	Below Normal	0.01	0.04	0.05	0.08	(0.07)	0.00	0.03	0.03	0.01	0.00	0.01	0.00	0.02
1973	Above Normal	0.01	0.01	0.02	(0.38)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.03)
1974	Wet	0.00	0.00	0.00	0.00	(0.03)	(0.03)	(0.03)	(0.04)	(0.04)	(0.05)	(0.04)	(0.04)	(0.02)
1975	Wet	(0.04)	(0.03)	(0.03)	0.13	0.04	0.04	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.02)	(0.01)
1976	Critical	(0.02)	(0.02)	(0.01)	0.00	0.00	0.00	0.01	0.02	0.00	0.04	0.04	0.03	0.01
1977	Critical	0.03	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1978	Above Normal	0.41	(0.27)	(0.14)	0.00	0.00	(0.90)	(0.83)	(0.76)	(0.23)	0.37	0.36	(0.09)	(0.17)
1979	Below Normal	(0.21)	(0.54)	(0.73)	(0.01)	(0.02)	(0.51)	(0.51)	(0.61)	(0.63)	(0.60)	(0.58)	(0.62)	(0.46)
1980	Above Normal	(0.57)	(0.46)	(0.42)	(4.75)	7.82	1.39	(2.96)	(2.91)	(2.88)	(2.79)	(2.64)	(2.89)	(1.17)
1981	Dry	(2.72)	(2.25)	(2.09)	0.00	2.74	2.38	0.50	1.04	1.18	1.25	1.22	1.22	0.37
1982	Wet	1.07	0.83	0.71	0.11	0.19	(0.01)	0.00	(0.01)	0.00	(0.01)	0.00	(0.01)	0.24
1983	Wet	(0.01)	0.00	(8.42)	4.24	4.26	(11.59)	(14.51)	(15.28)	(14.87)	(0.96)	0.00	0.00	(4.76)
1984	Wet	0.00	0.00	0.00	(14.67)	(14.14)	(3.85)	0.00	0.00	0.00	0.00	0.00	0.00	(2.72)
1985	Dry	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	(11.96)	7.03	4.05	0.09	0.09	0.09	0.09	0.08	(0.04)
1987	Dry	0.08	0.06	0.05	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00	(0.01)	0.01
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.05	0.05	0.05	0.02
1989	Dry	0.01	0.00	0.01	0.00	0.00	0.04	(0.12)	(0.07)	(0.02)	0.04	0.04	(0.01)	(0.01)
1990	Critical	(0.02)	(0.06)	(0.08)	0.00	0.01	0.02	0.02	0.04	0.04	0.06	0.05	0.05	0.01
1991	Critical	0.01	0.01	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.04)	(0.08)	(0.09)	(0.10)	(0.11)	(0.09)	(0.04)
1993	Above Normal	(0.03)	(0.02)	(0.01)	0.00	(0.12)	0.03	0.05	0.03	0.01	(0.01)	(0.01)	0.01	(0.01)
1994	Critical	0.01	0.02	0.03	0.00	0.00	(0.01)	(0.01)	(0.02)	0.00	(0.01)	0.00	(0.02)	0.00
1995	Wet	0.00	(0.05)	(0.02)	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1996	Wet	0.00	(5.36)	2.57	0.02	0.00	0.00	(0.03)	(0.04)	(0.04)	(0.04)	(0.04)	(0.04)	(0.25)
1997	Wet	(0.04)	(0.03)	(0.02)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	(0.01)	(0.01)
1998	Wet	0.00	0.00	0.00	0.00	(0.01)	0.00	0.01	(0.08)	(0.09)	(0.08)	(0.08)	(0.08)	(0.03)
1999	Wet	(0.08)	0.00	(0.06)	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2000	Above Normal	0.00	0.00	0.00	0.00	0.01	(0.16)	(0.12)	(0.08)	(0.02)	0.04	0.04	(0.01)	(0.02)
2001	Dry	(0.01)	(0.05)	(0.08)	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	(0.01)
2002	Dry	0.01	0.00	0.03	0.00	0.00	0.00	(0.02)	(0.02)	(0.02)	(0.02)	(0.01)	(0.02)	(0.01)
2003	Above Normal	(0.01)	(0.02)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average		(0.06)	(0.12)	(0.13)	(0.31)	0.02	(0.04)	(0.36)	(0.27)	(0.26)	(0.07)	(0.06)	(0.09)	(0.15)
Wet		(0.05)	(0.25)	(0.27)	(0.78)	(0.54)	(0.14)	(0.91)	(0.67)	(0.66)	(0.13)	(0.08)	(0.09)	(0.38)
Above Normal		(0.14)	(0.14)	(0.10)	(0.43)	0.84	0.07	(0.33)	(0.32)	(0.27)	(0.21)	(0.19)	(0.25)	(0.12)
Below Normal		0.07	0.03	(0.02)	0.01	(0.02)	(0.04)	(0.10)	(0.08)	(0.05)	(0.02)	(0.02)	(0.05)	(0.02)
Dry		(0.15)	(0.13)	(0.12)	0.00	0.30	(0.02)	(0.07)	(0.03)	(0.06)	(0.04)	(0.03)	(0.03)	(0.03)
Critical		0.00	(0.00)	(0.00)	0.00	0.02	0.03	0.03	0.04	0.06	0.08	0.07	(0.10)	0.02

Percent Difference in Energy Use (GWh) At Pumping Plant at South Bay: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	22%	3%	5%	7%	9%	11%	8%	-47%
1935	Below Normal	74%	40%	16%	33%	-1%	0%	-4%	-3%	-1%	1%	1%	-1%
1936	Below Normal	-3%	-5%	-5%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	-12%	-3%	-5%	4%	1%	1%	1%	0%	1%
1939	Dry	1%	1%	1%	-1%	-6%	-5%	-10%	-15%	-13%	-16%	-16%	-16%
1940	Above Normal	-48%	-33%	-17%	-9%	1%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	-1%	-1%	0%	-1%
1944	Dry	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%
1947	Dry	-1%	-2%	-2%	0%	26%	-88%	-3%	0%	0%	0%	0%	0%
1948	Below Normal	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	1%	0%	-1%	-1%	0%	-1%	-1%	0%	0%	0%	0%
1950	Below Normal	-1%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-14%	-14%	-14%	-15%
1953	Wet	-30%	-23%	-16%	13%	208%	0%	6%	4%	2%	3%	4%	4%
1954	Above Normal	20%	15%	8%	7%	44%	5%	-1%	-1%	-1%	-1%	0%	0%
1955	Dry	-3%	-1%	-1%	1%	3%	1%	2%	2%	2%	2%	2%	2%
1956	Wet	11%	6%	2%	-52%	14%	21%	0%	0%	0%	0%	0%	0%
1957	Above Normal	1%	0%	0%	0%	1%	-1%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	-18%	1%	0%	1%
1962	Below Normal	0%	2%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	1%	0%	0%	0%	0%	-3%	1%	1%	1%
1965	Wet	2%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	0%	0%	0%	-1%	-7%	0%	0%	1%	0%	0%	0%	0%
1969	Wet	2%	1%	1%	0%	0%	-1%	-92%	0%	0%	0%	0%	0%
1970	Wet	0%	0%	0%	-2%	-2%	0%	-1%	-1%	-1%	-1%	-1%	-1%
1971	Wet	-2%	-1%	-1%	0%	0%	1%	1%	1%	0%	0%	0%	0%
1972	Below Normal	0%	1%	1%	2%	-1%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	-10%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	-1%	0%	0%	2%	1%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	-	-13%	-3%	0%	0%	-5%	-6%	-2%	3%	3%	-1%	-1%
1979	Below Normal	-4%	-9%	-8%	-1%	-1%	-3%	-3%	-4%	-4%	-4%	-4%	-4%
1980	Above Normal	-10%	-7%	-4%	-36%	66%	11%	-19%	-15%	-15%	-15%	-14%	-15%
1981	Dry	-29%	-22%	-17%	0%	138%	21%	5%	11%	10%	9%	9%	10%
1982	Wet	39%	25%	13%	1%	2%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	-41%	25%	36%	-100%	-99%	-87%	-81%	-5%	0%	0%
1984	Wet	0%	0%	0%	-81%	-95%	-26%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-88%	50%	25%	0%	0%	0%	0%	0%
1987	Dry	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	0%	3%	0%	0%	1%	-1%	-1%	0%	0%	0%	0%
1990	Critical	0%	-1%	-1%	0%	1%	0%	0%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	2%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%	-1%
1993	Above Normal	-2%	-2%	-2%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1996	Wet	0%	-58%	22%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	-1%	-1%	-1%	-1%	-1%
1999	Wet	-2%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	-1%	-1%	0%	0%	0%	0%
2001	Dry	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2002	Dry	1%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	-1%	-1%	-1%	4%	-1%	-2%	-1%	-2%	0%	0%	-1%
Wet		1%	-2%	-1%	-4%	3%	-1%	-6%	-4%	-4%	-1%	0%	0%
Above Normal		-3%	-3%	-2%	-4%	9%	1%	-2%	-2%	-1%	-1%	-1%	-1%
Below Normal		5%	2%	0%	2%	-1%	0%	-1%	-1%	0%	0%	0%	0%
Dry		-2%	-1%	-1%	0%	9%	-4%	0%	0%	-1%	0%	0%	0%
Critical		0%	0%	0%	0%	2%	0%	0%	1%	1%	1%	1%	-4%

Energy Use (GWh) At Pumping Plant at SWP Banks: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	87.18	57.23	131.51	65.35	52.77	82.34	20.96	18.13	112.99	121.99	121.99	118.05	990.49
1923	Below Normal	66.93	45.13	78.24	67.67	69.92	51.72	19.78	12.78	42.16	121.99	121.99	118.05	816.36
1924	Critical	53.58	42.01	47.83	48.27	35.92	5.48	5.30	8.93	4.83	85.04	5.48	9.14	351.81
1925	Dry	43.77	52.81	70.14	58.77	38.45	74.06	21.18	17.42	30.26	121.99	52.29	118.05	699.19
1926	Dry	50.11	42.92	52.51	58.78	28.47	5.48	21.67	15.75	46.48	121.99	56.30	70.03	570.49
1927	Wet	27.82	118.05	68.27	43.32	65.01	67.44	17.71	12.78	50.86	121.99	121.99	117.43	832.67
1928	Above Normal	57.62	43.29	129.98	63.18	37.07	72.07	19.62	12.78	45.20	112.85	121.99	118.05	833.70
1929	Critical	64.41	28.06	89.19	60.18	54.14	52.69	29.87	5.48	5.30	5.48	12.82	10.23	417.85
1930	Dry	19.31	21.00	57.69	43.96	41.33	54.73	25.00	21.64	37.24	121.99	67.68	118.05	629.62
1931	Critical	29.61	27.65	26.19	59.63	38.17	17.59	5.30	5.48	5.30	45.90	5.48	7.00	273.30
1932	Dry	16.98	30.61	130.94	62.37	109.84	72.55	13.09	12.78	31.59	61.74	86.27	48.96	677.72
1933	Critical	36.20	30.07	61.05	107.67	91.79	31.23	15.54	12.78	5.30	49.67	20.57	9.11	470.98
1934	Critical	18.11	27.06	84.71	108.52	72.64	26.54	5.30	12.86	5.30	5.48	5.48	9.01	381.01
1935	Below Normal	41.55	53.90	73.58	74.15	81.72	63.59	18.22	12.78	42.12	121.99	121.99	118.05	823.64
1936	Below Normal	73.70	58.28	74.54	46.98	144.14	131.57	21.03	12.78	49.72	121.99	121.99	118.05	974.77
1937	Below Normal	82.47	47.08	122.33	82.32	133.66	111.60	27.88	20.01	86.81	121.99	121.99	58.57	1,016.71
1938	Wet	69.80	118.05	104.67	135.16	140.20	138.07	44.83	112.80	118.05	121.99	121.99	112.79	1,338.40
1939	Dry	57.49	5.30	129.89	62.25	48.16	32.24	17.10	19.63	5.30	121.99	70.98	76.16	646.49
1940	Above Normal	22.23	16.75	63.83	47.45	56.57	97.86	23.18	12.80	48.50	114.01	121.99	118.05	743.22
1941	Wet	52.83	24.50	76.54	72.49	140.20	138.07	28.25	24.65	70.72	121.99	121.99	107.02	979.25
1942	Wet	41.47	5.30	77.34	84.72	84.24	90.50	25.27	22.28	70.35	121.99	121.99	108.03	853.48
1943	Wet	51.12	5.30	73.65	94.33	98.64	138.07	25.13	14.52	51.08	121.99	121.99	112.56	908.09
1944	Dry	48.50	5.30	130.10	62.19	62.87	44.28	18.66	12.78	35.14	121.99	73.94	43.05	658.80
1945	Below Normal	37.49	118.05	69.63	62.65	64.31	122.22	18.39	12.78	36.52	121.99	121.99	118.05	904.07
1946	Below Normal	84.42	118.05	101.07	73.84	50.99	74.58	14.89	12.78	24.34	121.99	121.99	118.05	916.65
1947	Dry	66.82	70.90	85.48	55.27	58.04	24.35	15.91	12.78	29.82	121.99	66.94	118.05	726.35
1948	Below Normal	74.80	62.61	44.21	37.07	6.56	46.18	12.72	12.78	47.34	121.99	121.99	118.05	706.30
1949	Dry	52.04	46.42	78.18	58.85	54.74	35.25	12.37	12.78	30.63	121.99	53.42	118.05	674.72
1950	Below Normal	17.97	31.24	40.03	39.80	42.39	62.73	15.08	12.78	32.86	121.99	121.99	118.05	656.71
1951	Above Normal	90.37	118.05	140.22	130.18	110.66	121.60	17.00	12.78	47.61	106.44	121.99	115.85	1,132.75
1952	Wet	55.50	70.61	71.79	86.76	66.44	138.07	29.83	38.63	104.02	121.99	121.99	118.05	1,023.68
1953	Wet	50.96	5.30	130.01	57.99	63.18	67.48	18.21	15.32	34.25	121.99	121.99	118.05	804.73
1954	Above Normal	37.45	5.30	75.67	38.01	41.22	62.93	16.56	12.78	46.33	105.65	121.99	118.05	681.94
1955	Dry	48.53	56.76	128.60	65.51	50.60	42.85	16.70	12.78	5.30	121.99	60.27	54.47	664.36
1956	Wet	35.06	69.66	109.29	155.23	115.36	124.03	17.74	18.48	76.45	121.99	121.99	112.35	1,077.63
1957	Above Normal	48.49	5.30	128.81	60.30	30.88	53.32	18.33	14.94	32.88	120.54	121.99	118.05	753.83
1958	Wet	118.83	42.47	67.55	46.67	67.30	130.13	43.89	31.77	92.23	121.99	121.99	118.05	1,002.87
1959	Below Normal	68.14	5.30	129.52	40.05	49.83	64.28	21.53	16.66	29.40	121.99	121.99	118.05	786.74
1960	Dry	47.77	39.06	36.14	59.36	38.12	44.43	9.91	21.53	26.79	121.99	95.99	118.05	659.14
1961	Dry	24.61	71.77	127.92	60.61	33.13	60.25	15.50	15.03	1.08	113.24	36.98	43.14	603.26
1962	Below Normal	6.08	47.66	54.47	47.09	51.99	69.81	19.44	12.78	30.06	120.48	121.99	118.05	699.90
1963	Wet	121.99	118.05	65.01	44.24	47.89	65.31	16.38	12.78	35.67	121.99	121.99	118.05	889.35
1964	Dry	64.07	75.53	93.77	61.85	46.16	39.55	14.17	12.78	5.30	121.99	53.85	118.05	707.07
1965	Wet	48.76	55.94	73.20	95.94	72.38	83.18	22.41	12.78	50.46	121.99	121.99	115.44	874.11
1966	Below Normal	33.24	70.09	137.18	71.47	65.41	54.75	16.31	12.78	29.78	121.99	121.99	118.05	852.73
1967	Wet	51.13	66.87	71.54	68.43	59.77	77.12	37.36	32.64	118.05	121.99	121.99	118.05	944.94
1968	Below Normal	70.23	5.30	128.90	62.32	38.80	63.42	20.78	17.61	29.35	119.68	121.99	118.05	796.43
1969	Wet	48.27	72.78	128.95	77.24	119.88	81.55	86.46	105.07	118.05	121.99	121.99	110.58	1,192.81
1970	Wet	72.69	5.30	75.33	155.23	88.43	116.38	14.09	12.78	32.56	121.99	121.99	82.55	899.32
1971	Wet	48.50	98.34	72.53	60.72	55.53	71.05	18.68	15.04	46.80	121.99	121.99	117.04	848.21
1972	Below Normal	51.14	5.30	128.83	58.35	30.82	42.79	20.06	12.78	29.07	121.99	121.99	118.05	741.17
1973	Above Normal	67.04	118.05	69.47	53.24	71.82	74.65	17.22	12.78	50.43	121.99	121.99	111.94	890.62
1974	Wet	82.16	118.05	80.90	79.42	64.35	91.95	20.39	12.78	62.21	121.99	121.99	118.05	974.24
1975	Wet	77.55	5.30	130.54	61.70	51.99	102.01	18.11	12.78	68.04	121.99	121.99	118.05	890.05
1976	Critical	86.64	5.30	129.02	55.28	38.33	49.19	21.99	20.38	4.93	115.82	74.08	118.05	719.01
1977	Critical	39.64	26.07	21.29	30.89	13.24	5.64	5.30	10.93	1.05	5.48	5.48	24.80	189.81
1978	Above Normal	5.48	34.60	51.37	52.50	80.36	90.35	30.38	26.68	77.83	121.99	121.99	118.05	811.58
1979	Below Normal	54.66	30.11	124.96	71.49	86.11	87.83	17.86	20.49	48.86	121.99	121.99	118.05	904.40
1980	Above Normal	82.80	61.41	129.40	90.58	79.70	84.55	19.81	18.22	78.29	121.99	121.99	118.05	1,006.79
1981	Dry	66.11	6.00	129.42	62.48	56.26	44.38	23.31	18.48	29.16	121.99	91.35	93.86	742.80
1982	Wet	51.15	118.05	67.34	68.71	131.06	138.07	108.25	44.08	86.04	121.99	121.99	118.05	1,174.78
1983	Wet	121.99	118.05	140.22	69.61	61.29	70.59	77.32	79.55	90.99	93.10	121.99	107.94	1,152.64
1984	Wet	121.99	118.05	126.73	119.29	113.03	121.60	18.27	12.78	50.52	116.83	121.99	81.15	1,122.23
1985	Dry	74.50	118.05	128.71	62.37	58.06	53.24	20.88	16.27	29.62	121.99	62.39	118.05	864.13
1986	Wet	77.50	93.17	78.14	39.35	131.70	91.37	30.34	23.92	65.95	121.99	121.99	118.05	993.47
1987	Dry	63.45	5.30	129.51	60.33	55.25	42.86	10.89	32.35	28.81	16.69	10.45	37.30	493.19
1988	Critical	6.59	15.60	60.67	43.49	6.24	30.34	18.65	17.10	5.30	75.47	5.48	20.79	305.72
1989	Dry	5.48	58.87	51.50	58.05	13.48	22.07	21.75	16.90	41.69	113.55	70.15	118.05	591.54
1990	Critical	73.73	42.33	85.57	56.53	38.20	18.48	5.30	15.49	3.92	117.10	5.48	31.59	493.72
1991	Critical	5.48	14.05	18.03	11.70	23.16	23.66	19.03	14.96	36.49	86.57	5.48	10.74	269.35
1992	Critical	17.25	5.30	31.27	20.49	28.87	43.63	12.37	12.78	35.05	7.61	5.48	37.22	257.32
1993	Above Normal	5.48	9.12	66.11	59.08	67.90	71.61	12.37	12.78	66.02	121.99	121.99	118.05	732.50
1994	Critical	60.56	5.30	113.14	58.47	55.01	42.04	16.42	17.81	4.18	113.10	52.72	56.94	595.69
1995	Wet	11.38	37.94	66.14	54.99	59.88	138.07	32.00	112.80	105.99	121.99	121.99	118.05	981.22
1996	Wet	29.17	5.30	67.62	51.78	131.88	119.97	21.27	17.40	60.24	121.99	121.99	118.05	866.66
1997	Wet	26.70	9.74	140.22	155.23	140.20	131.52	15.27	14.31	28.81	110.87	121.99	118.05	1,012.91
1998	Wet	36.54	17.49	128.99	55.02	140.20	138.07	35.61	35.75	118.05	121.99	121.99	118.05	1,067.75
1999	Wet	121.99	118.05	73.62	74.81	109.68	89.84	15.89	12.78	50.77	121.67	121.99	51.38	962.47
2000	Above Normal	38.86	5.30	127.91	41.31	92.26	103.26	15.74	12.78	45.8				

Energy Use (GWh) At Pumping Plant at SWP Banks: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	87.18	57.23	131.51	65.35	52.79	82.30	20.96	18.13	112.99	121.99	121.99	118.05	990.47
1923	Below Normal	66.92	45.12	78.24	66.77	69.74	51.72	19.78	12.78	42.43	121.99	121.99	118.05	815.53
1924	Critical	53.59	42.00	47.83	48.27	35.92	5.48	5.30	8.76	4.83	85.05	5.48	9.07	351.58
1925	Dry	43.69	52.77	70.13	58.77	38.45	74.09	21.18	17.42	30.21	121.99	52.34	118.05	699.09
1926	Dry	50.15	42.94	52.49	58.78	28.47	5.48	21.67	15.75	46.55	121.99	56.49	69.70	570.46
1927	Wet	27.81	118.05	68.27	43.32	65.01	67.44	17.71	12.78	50.86	121.99	121.99	117.42	832.65
1928	Above Normal	57.61	43.28	129.98	63.18	37.07	72.07	19.62	12.78	45.20	112.85	121.99	118.05	833.68
1929	Critical	64.40	28.05	89.18	60.18	54.14	52.69	29.87	5.48	5.30	5.48	12.82	10.22	417.81
1930	Dry	19.30	20.98	57.68	43.96	41.33	54.75	25.00	21.64	37.27	121.99	67.68	118.05	629.63
1931	Critical	29.61	27.64	26.18	59.63	38.16	17.58	5.30	5.48	5.30	45.76	5.48	6.98	273.10
1932	Dry	16.95	30.59	130.94	62.37	109.91	74.11	13.09	12.78	31.59	61.72	86.28	48.96	679.29
1933	Critical	36.20	30.07	59.50	107.68	91.80	31.23	15.54	12.78	5.30	49.40	20.53	9.04	469.07
1934	Critical	18.07	27.01	128.55	108.52	72.64	26.52	5.30	5.48	5.30	5.48	5.48	8.98	417.33
1935	Below Normal	41.90	53.93	73.51	71.05	81.72	63.59	18.22	12.78	42.12	121.99	121.99	118.05	820.85
1936	Below Normal	70.43	58.22	68.39	54.71	144.14	129.65	21.03	12.78	49.72	121.99	121.99	118.05	971.10
1937	Below Normal	82.44	47.05	122.37	82.48	133.41	111.60	22.94	18.17	87.77	121.99	121.99	58.57	1,010.78
1938	Wet	68.36	118.05	91.95	130.23	140.20	138.07	37.54	46.31	115.37	121.99	121.99	112.77	1,242.83
1939	Dry	58.34	5.30	129.89	62.25	48.18	32.24	28.96	19.61	5.30	121.99	71.83	66.74	650.63
1940	Above Normal	24.04	16.68	63.79	47.55	56.57	97.86	23.18	12.80	48.50	113.95	121.99	118.05	744.96
1941	Wet	52.85	24.49	76.54	72.49	137.96	138.07	28.25	24.65	70.72	121.99	121.99	107.00	977.00
1942	Wet	41.79	5.30	77.34	84.67	82.87	90.50	25.27	22.28	70.35	121.99	121.99	108.02	852.37
1943	Wet	51.10	5.30	73.65	87.89	99.07	138.07	25.13	14.52	43.45	121.70	121.99	111.85	893.72
1944	Dry	50.39	5.30	130.10	62.19	62.87	44.28	18.66	12.78	33.01	121.99	75.15	43.00	659.72
1945	Below Normal	37.46	118.05	69.63	62.65	59.86	113.03	18.39	12.78	36.52	121.99	121.99	118.05	890.40
1946	Below Normal	84.51	118.05	101.07	73.84	50.98	72.35	14.89	12.78	26.67	121.65	121.99	118.05	916.83
1947	Dry	65.83	70.91	85.54	55.25	58.04	24.35	15.91	12.78	29.82	121.99	66.35	118.05	724.82
1948	Below Normal	73.18	62.61	44.24	37.07	6.95	46.18	12.72	12.78	47.34	121.99	121.99	118.05	705.10
1949	Dry	52.10	46.15	77.76	58.85	54.74	35.25	12.37	12.78	30.63	121.99	53.31	118.05	673.98
1950	Below Normal	17.95	31.23	40.03	39.60	42.39	62.73	15.08	12.78	32.86	121.99	121.99	118.05	656.68
1951	Above Normal	90.37	118.05	128.61	141.67	110.61	121.61	17.00	12.78	47.61	106.44	121.99	116.49	1,133.23
1952	Wet	55.49	70.60	71.79	85.48	66.51	138.07	28.67	36.38	95.49	121.99	121.99	118.05	1,010.51
1953	Wet	51.25	5.30	130.01	49.75	63.18	67.48	18.21	15.32	34.25	121.99	121.99	118.05	796.78
1954	Above Normal	37.61	5.30	81.01	38.01	41.22	62.93	16.56	12.78	46.33	105.62	121.99	118.05	687.41
1955	Dry	47.71	56.76	128.60	65.51	50.44	42.84	16.70	12.78	5.30	121.99	60.98	59.23	668.84
1956	Wet	29.72	69.63	94.75	155.23	116.87	125.35	17.74	18.48	76.45	121.99	121.99	112.34	1,060.54
1957	Above Normal	48.48	5.30	128.81	60.30	30.88	53.32	18.33	14.94	32.88	120.54	121.99	118.05	753.82
1958	Wet	118.80	42.44	67.55	46.67	67.30	130.13	42.93	31.76	92.22	121.99	121.99	118.05	1,001.83
1959	Below Normal	68.42	5.30	129.52	40.05	49.83	64.25	21.53	16.66	29.40	121.99	121.99	118.05	786.99
1960	Dry	47.77	39.06	36.15	59.36	38.12	44.43	9.94	21.53	26.79	121.99	96.16	118.05	659.35
1961	Dry	24.57	71.78	127.92	60.61	33.13	60.25	15.50	15.03	1.09	113.03	37.10	43.16	603.17
1962	Below Normal	6.06	47.63	54.43	47.09	51.99	69.81	19.44	12.78	30.06	120.48	121.99	118.05	699.81
1963	Wet	121.99	118.05	65.01	44.24	47.89	65.31	16.38	12.78	35.83	121.99	121.99	118.05	889.51
1964	Dry	64.07	75.54	93.78	61.85	46.16	39.54	14.17	12.78	5.30	121.99	53.84	118.05	707.07
1965	Wet	48.68	55.94	73.20	95.83	72.38	83.18	22.41	12.78	50.46	121.63	121.99	115.47	873.95
1966	Below Normal	33.26	70.08	137.18	71.47	65.41	54.75	16.31	12.78	29.78	121.68	121.99	118.05	852.74
1967	Wet	51.14	66.87	71.54	68.43	59.77	77.12	36.00	31.07	116.01	121.99	121.99	118.05	939.98
1968	Below Normal	66.92	5.30	128.90	62.32	38.80	63.42	20.78	17.61	29.35	119.68	121.99	118.05	793.12
1969	Wet	48.46	72.75	128.95	69.63	128.46	81.52	42.99	112.80	118.05	121.99	121.99	111.94	1,159.53
1970	Wet	70.93	5.30	75.33	155.23	88.43	118.78	14.09	12.78	32.56	121.99	121.99	85.81	903.22
1971	Wet	48.44	98.35	72.53	60.72	55.53	71.05	18.68	15.04	46.80	121.99	121.99	117.05	848.17
1972	Below Normal	51.26	5.30	128.83	58.35	30.82	42.79	20.06	12.78	29.07	121.99	121.99	118.05	741.29
1973	Above Normal	67.03	118.05	69.47	53.24	71.82	74.65	17.22	12.78	50.43	121.99	121.99	111.95	890.62
1974	Wet	82.16	118.05	80.90	77.45	64.35	91.95	20.39	12.78	62.21	121.99	121.99	118.05	972.27
1975	Wet	77.55	5.30	130.54	61.70	51.99	101.71	18.11	12.78	68.04	121.99	121.99	118.05	889.75
1976	Critical	86.63	5.30	129.02	55.27	38.32	49.19	21.99	20.38	4.92	116.03	74.06	118.05	719.16
1977	Critical	39.42	26.05	21.29	30.85	13.24	5.64	5.30	10.88	1.05	5.48	5.48	24.82	189.50
1978	Above Normal	5.48	34.58	51.29	52.50	70.64	81.52	27.59	21.81	74.30	121.99	121.99	118.05	781.74
1979	Below Normal	54.56	30.04	104.03	71.57	85.03	86.23	17.85	20.49	49.01	121.99	121.99	118.05	880.84
1980	Above Normal	79.06	70.73	129.40	81.65	82.39	84.86	19.81	18.22	78.28	121.99	121.99	97.95	986.33
1981	Dry	65.68	6.32	129.42	62.48	56.26	44.38	23.31	18.48	29.16	121.99	95.79	94.41	747.68
1982	Wet	52.16	118.05	67.34	68.71	131.06	138.07	108.25	38.64	86.04	121.99	121.99	118.05	1,170.35
1983	Wet	121.99	118.05	140.22	71.19	62.88	66.27	71.91	68.50	82.04	92.74	121.99	103.57	1,121.35
1984	Wet	121.99	118.05	126.73	113.82	107.76	120.16	18.27	12.78	50.52	116.83	121.99	81.15	1,110.05
1985	Dry	74.49	118.05	128.71	62.37	58.06	53.24	20.88	16.27	29.62	121.99	62.38	118.05	864.11
1986	Wet	77.51	93.17	78.14	39.35	102.22	111.45	30.34	23.92	65.95	121.99	121.99	118.05	984.08
1987	Dry	63.44	5.30	129.51	60.33	55.25	42.86	10.91	32.35	29.74	16.72	10.68	37.25	494.34
1988	Critical	6.62	15.60	60.67	43.49	6.24	30.34	18.65	17.10	5.30	74.44	5.48	20.79	304.72
1989	Dry	5.48	58.78	51.52	58.05	13.47	22.07	21.75	16.90	41.69	113.57	68.80	118.05	590.13
1990	Critical	73.92	42.31	85.55	56.53	38.19	18.48	5.30	15.49	3.92	117.10	5.48	32.02	494.29
1991	Critical	5.48	14.12	17.91	11.40	23.16	23.66	19.03	14.96	36.45	86.72	5.48	10.72	269.09
1992	Critical	17.14	5.30	31.23	20.08	28.87	43.63	12.37	12.78	26.03	16.55	5.48	37.15	256.61
1993	Above Normal	5.48	9.10	66.10	59.08	67.90	71.57	12.37	12.78	66.02	121.99	121.99	118.05	732.43
1994	Critical	60.56	5.30	113.88	58.47	55.01	42.04	16.42	17.82	4.18	112.83	52.61	56.91	596.03
1995	Wet	11.26	37.91	66.17	54.99	59.88	138.07	28.75	46.44	104.18	121.99	121.99	118.05	909.68
1996	Wet	29.15	5.30	67.62	51.78	131.88	118.43	21.27	17.40	60.23	121.99	121.99	118.05	865.09
1997	Wet	26.69	9.43	140.22	155.23	140.20	130.60	15.27	14.31	27.83	111.48	121.99	118.05	1,011.30
1998	Wet	36.52	17.46	128.99	55.02	140.20	138.07	33.39	34.01	118.05	121.99	121.99	118.05	1,063.74
1999	Wet	121.99	118.05	73.62	74.81	109.68	89.84	15.89	12.78	50.77	121.67	121.99	51.37	962.46
2000	Above Normal	38.86	5.30	127.91	41.31	90.22	102.40	15.74	12.78	45.81</				

Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.02	(0.04)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1923	Below Normal	(0.01)	(0.01)	0.00	(0.90)	(0.18)	0.00	0.00	0.00	0.27	0.00	0.00	0.00	(0.07)
1924	Critical	0.01	(0.01)	0.00	0.00	0.00	0.00	0.00	(0.17)	0.00	0.01	0.00	(0.07)	(0.02)
1925	Dry	(0.08)	(0.04)	(0.01)	0.00	0.00	0.03	0.00	0.00	(0.05)	0.00	0.05	0.00	(0.01)
1926	Dry	0.04	0.02	(0.02)	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.19	(0.33)	0.00
1927	Wet	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00
1928	Above Normal	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1929	Critical	(0.01)	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00
1930	Dry	(0.01)	(0.02)	(0.01)	0.00	0.00	0.02	0.00	0.00	0.03	0.00	0.00	0.00	0.00
1931	Critical	0.00	(0.01)	(0.01)	0.00	(0.01)	(0.01)	0.00	0.00	0.00	(0.14)	0.00	(0.02)	(0.02)
1932	Dry	(0.03)	(0.02)	0.00	0.00	0.07	1.56	0.00	0.00	0.00	(0.02)	0.01	0.00	0.13
1933	Critical	0.00	0.00	(1.55)	0.01	0.01	0.00	0.00	0.00	0.00	(0.27)	(0.04)	(0.07)	(0.16)
1934	Critical	(0.04)	(0.05)	43.84	0.00	0.00	(0.02)	0.00	(7.38)	0.00	0.00	0.00	(0.03)	3.03
1935	Below Normal	0.35	0.03	(0.07)	(3.10)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.23)
1936	Below Normal	(3.27)	(0.06)	(6.15)	7.73	0.00	(1.92)	0.00	0.00	0.00	0.00	0.00	0.00	(0.31)
1937	Below Normal	(0.03)	(0.03)	0.04	0.16	(0.25)	0.00	(4.94)	(1.84)	0.96	0.00	0.00	0.00	(0.49)
1938	Wet	(1.44)	0.00	(12.72)	(4.93)	0.00	0.00	(7.29)	(66.49)	(2.68)	0.00	0.00	(0.02)	(7.96)
1939	Dry	0.85	0.00	0.00	0.00	0.02	0.00	11.86	(0.02)	0.00	0.00	0.85	(9.42)	0.35
1940	Above Normal	1.81	(0.07)	(0.04)	0.10	0.00	0.00	0.00	0.00	0.00	(0.06)	0.00	0.00	0.14
1941	Wet	0.02	(0.01)	0.00	0.00	(2.24)	0.00	0.00	0.00	0.00	0.00	0.00	(0.02)	(0.19)
1942	Wet	0.32	0.00	0.00	(0.05)	(1.37)	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.09)
1943	Wet	(0.02)	0.00	0.00	(6.44)	0.43	0.00	0.00	0.00	(7.63)	0.00	0.00	(0.71)	(1.20)
1944	Dry	1.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(2.13)	0.00	1.21	(0.05)	0.08
1945	Below Normal	(0.03)	0.00	0.00	0.00	(4.45)	(9.19)	0.00	0.00	0.00	0.00	0.00	0.00	(1.14)
1946	Below Normal	0.09	0.00	0.00	0.00	(0.01)	(2.23)	0.00	0.00	2.33	0.00	0.00	0.00	0.01
1947	Dry	(0.99)	0.01	0.06	(0.02)	0.00	0.00	0.00	0.00	0.00	0.00	(0.59)	0.00	(0.13)
1948	Below Normal	(1.62)	0.00	0.03	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.10)
1949	Dry	0.06	(0.27)	(0.42)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.11)	0.00	(0.06)
1950	Below Normal	(0.02)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1951	Above Normal	0.00	0.00	(11.61)	11.49	(0.05)	0.01	0.00	0.00	0.00	0.00	0.00	0.64	0.04
1952	Wet	(0.01)	(0.01)	0.00	(1.28)	0.07	0.00	(1.16)	(2.25)	(8.53)	0.00	0.00	0.00	(1.10)
1953	Wet	0.29	0.00	0.00	(8.24)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.66)
1954	Above Normal	0.16	0.00	5.34	0.00	0.00	0.00	0.00	0.00	0.00	(0.03)	0.00	0.00	0.46
1955	Dry	(0.82)	0.00	0.00	0.00	(0.16)	(0.01)	0.00	0.00	0.00	0.00	0.71	4.76	0.37
1956	Wet	(5.34)	(0.03)	(14.54)	0.00	1.51	1.32	0.00	0.00	0.00	0.00	0.00	(0.01)	(1.42)
1957	Above Normal	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1958	Wet	(0.03)	(0.03)	0.00	0.00	0.00	0.00	(0.96)	(0.01)	(0.01)	0.00	0.00	0.00	(0.09)
1959	Below Normal	0.28	0.00	0.00	0.00	0.00	(0.03)	0.00	0.00	0.00	0.00	0.00	0.00	0.02
1960	Dry	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.17	0.00	0.02
1961	Dry	(0.04)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	(0.21)	0.12	0.02	(0.01)
1962	Below Normal	(0.02)	(0.03)	(0.04)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00	0.00	0.01
1964	Dry	0.00	0.01	0.01	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00
1965	Wet	(0.08)	0.00	0.00	(0.11)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	(0.01)
1966	Below Normal	0.02	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1967	Wet	0.01	0.00	0.00	0.00	0.00	0.00	(1.36)	(1.57)	(2.04)	0.00	0.00	0.00	(0.41)
1968	Below Normal	(3.31)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.28)
1969	Wet	0.19	(0.03)	0.00	(7.61)	8.58	(0.03)	(43.47)	7.73	0.00	0.00	0.00	1.36	(2.77)
1970	Wet	(1.76)	0.00	0.00	0.00	0.00	2.40	0.00	0.00	0.00	0.00	0.00	3.26	0.33
1971	Wet	(0.06)	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1972	Below Normal	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1973	Above Normal	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1974	Wet	0.00	0.00	0.00	(1.97)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.16)
1975	Wet	0.00	0.00	0.00	0.00	0.00	(0.30)	0.00	0.00	0.00	0.00	0.00	0.00	(0.03)
1976	Critical	(0.01)	0.00	0.00	(0.01)	(0.01)	0.00	0.00	0.00	(0.01)	0.21	(0.02)	0.00	0.01
1977	Critical	(0.22)	(0.02)	0.00	(0.04)	0.00	0.00	0.00	(0.05)	0.00	0.00	0.00	0.02	(0.03)
1978	Above Normal	0.00	(0.02)	(0.08)	0.00	(9.72)	(8.83)	(2.79)	(4.87)	(3.53)	0.00	0.00	0.00	(2.49)
1979	Below Normal	(0.10)	(0.07)	(20.93)	0.08	(1.08)	(1.60)	(0.01)	0.00	0.15	0.00	0.00	0.00	(1.96)
1980	Above Normal	(3.74)	9.32	0.00	(8.93)	2.69	0.31	0.00	0.00	(0.01)	0.00	0.00	(20.10)	(1.71)
1981	Dry	(0.43)	0.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.44	0.55	0.41
1982	Wet	1.01	0.00	0.00	0.00	0.00	0.00	(5.44)	0.00	0.00	0.00	0.00	0.00	(0.37)
1983	Wet	0.00	0.00	0.00	1.58	1.59	(4.32)	(5.41)	(11.05)	(8.95)	(0.36)	0.00	(4.37)	(2.61)
1984	Wet	0.00	0.00	0.00	(5.47)	(5.27)	(1.44)	0.00	0.00	0.00	0.00	0.00	0.00	(1.02)
1985	Dry	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00
1986	Wet	0.01	0.00	0.00	0.00	(29.48)	20.08	0.00	0.00	0.00	0.00	0.00	0.00	(0.78)
1987	Dry	(0.01)	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.93	0.03	0.23	(0.05)	0.10
1988	Critical	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(1.03)	0.00	0.00	(0.08)
1989	Dry	0.00	(0.09)	0.02	0.00	(0.01)	0.00	0.00	0.00	0.00	0.02	(1.35)	0.00	(0.12)
1990	Critical	0.19	(0.02)	(0.02)	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.05
1991	Critical	0.00	0.07	(0.12)	(0.30)	0.00	0.00	0.00	0.00	(0.04)	0.15	0.00	(0.02)	(0.02)
1992	Critical	(0.11)	0.00	(0.04)	(0.41)	0.00	0.00	0.00	0.00	(9.02)	8.94	0.00	(0.07)	(0.06)
1993	Above Normal	0.00	(0.02)	(0.01)	0.00	0.00	(0.04)	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1994	Critical	0.00	0.00	0.74	0.00	0.00	0.00	0.00	0.01	0.00	(0.27)	(0.11)	(0.03)	0.03
1995	Wet	(0.12)	(0.03)	0.03	0.00	0.00	0.00	(3.25)	(66.36)	(1.81)	0.00	0.00	0.00	(5.96)
1996	Wet	(0.02)	0.00	0.00	0.00	0.00	(1.54)	0.00	0.00	(0.01)	0.00	0.00	0.00	(0.13)
1997	Wet	(0.01)	(0.31)	0.00	0.00	0.00	(0.92)	0.00	0.00	(0.98)	0.61	0.00	0.00	(0.13)
1998	Wet	(0.02)	(0.03)	0.00	0.00	0.00	0.00	(2.22)	(1.74)	0.00	0.00	0.00	0.00	(0.33)
1999	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00
2000	Above Normal	0.00	0.00	0.00	0.00	(2.04)	(0.86)	0.00	0.00	(0.01)	0.00	0.00	0.00	(0.24)
2001	Dry	(0.02)	0.00	(2.37)	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.00	(0.01)	(0.07)
2002	Dry	0.00	0.03	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.06
2003	Above Normal	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.00
Average		(0.20)	0.10	(0.25)	(0.35)	(0.50)	(0.09)	(0.74)	(1.97)	(0.52)	0.11	0.07	(0.29)	(0.39)
Wet		(0.27)	(0.02)	(1.05)	(1.33)	(1.01)	0.59	(2.50)	(5.66)	(1.25)	0.01	0.00	(0.02)	(1.04)
Above Normal		(0.15)	0.77	(0.53)	0.22	(0.76)	(0.79)	(0.23)	(0.41)	(0.30)	(0.01)	0.00	(1.62)	(0.32)
Below Normal		(0.54)	(0.01)	(1.94)	0.28	(0.40)	(1.07)	(0.35)	(0.13)	0.27	0.00	0.00	0.00	(0.33)
Dry		0.02	(0.00)	(0.15)	(0.00)	(0.01)	0.09	0.66	(0.00)	(0.06)	0.08	0.33	(0.21)	0.06
Critical		(0.01)	(0.00)	3.57	(0.06)	(0.00)	(0.00)	0.00	(0.63)	(0.76)	0.63	(0.01)	0.01	0.23

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Banks: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	-1%	0%	0%	0%	0%	0%	1%	0%	0%
1924	Critical	0%	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	-1%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	-3%	0%	0%	0%	0%	0%	0%	-1%	0%	-1%
1934	Critical	0%	0%	52%	0%	0%	0%	0%	-57%	0%	0%	0%	0%
1935	Below Normal	1%	0%	0%	-4%	0%	0%	0%	0%	0%	0%	0%	0%
1936	Below Normal	-4%	0%	-8%	16%	0%	-1%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	-18%	-9%	1%	0%	0%	0%
1938	Wet	-2%	0%	-12%	-4%	0%	0%	-16%	-59%	-2%	0%	0%	0%
1939	Dry	1%	0%	0%	0%	0%	0%	69%	0%	0%	0%	1%	-12%
1940	Above Normal	8%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	1%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	-7%	0%	0%	0%	0%	-15%	0%	0%	-1%
1944	Dry	4%	0%	0%	0%	0%	0%	0%	0%	-6%	0%	2%	0%
1945	Below Normal	0%	0%	0%	0%	-7%	-8%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	-3%	0%	0%	10%	0%	0%	0%
1947	Dry	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1948	Below Normal	-2%	0%	0%	0%	6%	0%	0%	0%	0%	0%	0%	0%
1949	Dry	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	-8%	9%	0%	0%	0%	0%	0%	0%	0%	1%
1952	Wet	0%	0%	0%	-1%	0%	0%	-4%	-6%	-8%	0%	0%	0%
1953	Wet	1%	0%	0%	-14%	0%	0%	0%	0%	0%	0%	0%	0%
1954	Above Normal	0%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1955	Dry	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	9%
1956	Wet	-15%	0%	-13%	0%	1%	1%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	-4%	-5%	-2%	0%	0%	0%
1968	Below Normal	-5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	-10%	7%	0%	-50%	7%	0%	0%	0%	1%
1970	Wet	-2%	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%	4%
1971	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%
1975	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1978	Above Normal	0%	0%	0%	0%	-12%	-10%	-9%	-18%	-5%	0%	0%	0%
1979	Below Normal	0%	0%	-17%	0%	-1%	-2%	0%	0%	0%	0%	0%	0%
1980	Above Normal	-5%	15%	0%	-10%	3%	0%	0%	0%	0%	0%	0%	-17%
1981	Dry	-1%	5%	0%	0%	0%	0%	0%	0%	0%	0%	5%	1%
1982	Wet	2%	0%	0%	0%	0%	0%	0%	-12%	0%	0%	0%	0%
1983	Wet	0%	0%	0%	2%	3%	-6%	-7%	-14%	-10%	0%	0%	-4%
1984	Wet	0%	0%	0%	-5%	-5%	-1%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-22%	22%	0%	0%	0%	0%	0%	0%
1987	Dry	0%	0%	0%	0%	0%	0%	0%	0%	3%	0%	2%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1989	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
1990	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1991	Critical	0%	0%	-1%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	-1%	0%	0%	-2%	0%	0%	0%	0%	-26%	117%	0%	0%
1993	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1994	Critical	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1995	Wet	-1%	0%	0%	0%	0%	0%	-10%	-59%	-2%	0%	0%	0%
1996	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1997	Wet	0%	-3%	0%	0%	0%	-1%	0%	0%	-3%	1%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	-6%	-5%	0%	0%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	-2%	-1%	0%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	-2%	0%	0%	0%	0%	0%	0%	2%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	0%	0%	0%	-1%	-3%	-1%	1%	0%	0%
Wet		-1%	0%	-1%	-2%	-1%	1%	-4%	-6%	-2%	0%	0%	0%
Above Normal		0%	1%	0%	0%	-1%	-1%	-1%	-2%	0%	0%	0%	-1%
Below Normal		-1%	0%	-2%	1%	0%	-1%	-1%	-1%	1%	0%	0%	0%
Dry		0%	0%	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%
Critical		0%	0%	4%	0%	0%	0%	0%	-5%	-2%	10%	0%	0%

Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	39.31	50.83	28.41	7.41	23.39	28.39	30.34	35.89	41.67	42.77	42.18	29.83	400.42
1923	Below Normal	27.99	33.52	22.47	31.25	31.64	26.95	23.59	31.96	41.49	45.83	42.12	27.65	386.46
1924	Critical	28.39	17.72	15.80	6.09	6.79	8.28	12.77	16.66	22.32	25.21	19.67	12.92	192.62
1925	Dry	6.82	5.29	4.79	1.81	4.15	17.79	24.16	34.40	45.69	51.27	56.13	30.54	282.84
1926	Dry	22.08	19.18	16.20	3.04	5.12	10.98	17.11	28.47	37.56	42.07	41.38	25.25	268.44
1927	Wet	17.99	15.53	13.02	4.00	15.50	31.47	32.67	38.60	43.98	44.64	44.56	31.97	333.93
1928	Above Normal	26.32	34.23	25.16	15.64	19.59	14.91	36.78	42.93	48.63	49.39	49.37	35.72	398.67
1929	Critical	29.75	35.30	28.53	15.26	14.53	9.43	11.90	18.28	24.33	25.89	21.47	5.12	239.79
1930	Dry	8.56	9.69	8.73	2.87	4.92	7.64	19.32	25.03	33.64	36.55	34.64	20.73	212.32
1931	Critical	12.99	10.55	8.77	2.87	4.80	8.23	15.60	20.12	27.13	30.62	23.96	15.61	181.25
1932	Dry	8.59	6.45	5.83	3.06	6.52	26.01	17.93	26.14	34.71	41.63	34.98	22.92	234.77
1933	Critical	15.91	13.61	11.35	2.92	36.48	12.80	15.76	24.96	33.54	37.54	31.91	20.85	257.63
1934	Critical	13.31	10.83	9.02	2.96	4.43	8.64	17.84	23.11	31.35	35.19	21.42	3.46	181.56
1935	Below Normal	18.77	14.84	11.72	2.97	6.39	11.19	32.86	39.51	47.13	49.42	47.83	33.53	316.16
1936	Below Normal	31.17	24.45	23.94	11.26	13.74	46.29	33.05	42.36	48.16	48.90	48.85	35.17	407.34
1937	Below Normal	36.09	27.27	27.98	16.08	44.42	49.91	40.86	46.46	53.49	58.40	58.40	48.09	507.45
1938	Wet	35.48	33.23	34.13	19.09	33.23	46.49	40.72	49.07	57.05	61.89	61.84	44.14	516.36
1939	Dry	42.70	46.55	35.67	20.19	22.22	18.73	26.66	34.59	27.13	54.30	36.13	34.00	398.87
1940	Above Normal	9.45	7.18	28.75	2.91	4.24	13.81	26.05	34.68	40.08	51.76	48.46	32.14	299.51
1941	Wet	25.21	26.78	17.16	10.94	24.78	30.81	36.49	38.81	45.15	49.91	49.81	35.49	391.34
1942	Wet	38.77	31.75	28.03	31.26	32.41	34.21	26.53	33.02	41.13	44.19	41.67	28.09	411.06
1943	Wet	28.97	26.93	17.98	23.94	30.23	30.50	40.39	43.31	50.37	55.23	55.15	39.26	442.26
1944	Dry	38.15	15.77	40.51	11.37	11.02	10.99	19.78	25.73	34.25	37.60	36.78	21.68	303.63
1945	Below Normal	14.04	11.59	9.69	4.94	6.35	49.95	32.91	41.21	46.91	47.63	47.56	34.22	347.00
1946	Below Normal	39.52	26.44	27.13	31.95	32.92	37.71	27.68	34.03	39.84	41.04	40.34	28.15	406.75
1947	Dry	33.38	20.59	20.80	14.07	15.65	14.58	36.66	42.76	48.45	49.17	56.41	35.57	388.09
1948	Below Normal	29.61	27.69	28.39	14.21	13.60	9.20	15.47	18.47	19.42	49.70	45.74	31.77	303.27
1949	Dry	28.67	20.50	17.18	4.69	6.04	9.92	29.25	37.03	47.68	52.47	47.36	35.85	336.64
1950	Below Normal	26.19	13.76	17.55	3.75	4.32	8.45	24.02	31.04	14.06	52.99	48.07	32.01	276.21
1951	Above Normal	28.43	19.33	16.14	51.73	48.26	53.44	29.23	38.58	44.33	44.94	44.83	31.75	450.99
1952	Wet	29.07	32.08	24.42	31.29	34.25	39.41	31.37	44.93	52.25	57.16	57.08	40.58	473.89
1953	Wet	38.50	44.50	32.52	32.07	25.78	18.66	22.20	29.66	27.11	47.28	42.79	28.43	389.50
1954	Above Normal	22.83	22.74	14.83	4.67	16.91	15.04	25.15	33.22	42.88	49.25	45.59	29.84	322.95
1955	Dry	25.50	22.03	15.65	4.27	7.05	12.59	22.76	29.55	39.14	43.98	45.74	26.15	294.41
1956	Wet	18.61	16.08	13.52	22.34	50.39	54.27	34.52	43.46	50.02	50.71	50.60	35.82	440.34
1957	Above Normal	37.76	33.68	28.34	19.30	19.33	22.24	25.94	34.25	37.50	52.38	48.32	32.07	391.11
1958	Wet	23.24	26.12	17.07	3.77	27.77	31.30	45.35	53.29	57.01	61.92	61.91	44.22	452.97
1959	Below Normal	37.17	34.09	40.46	13.54	15.00	15.43	22.38	28.82	15.08	48.69	44.17	29.55	344.38
1960	Dry	27.36	18.42	15.46	2.90	3.62	9.59	29.55	37.51	41.82	54.52	49.17	36.10	326.02
1961	Dry	27.30	24.23	21.44	5.41	6.69	8.23	23.17	29.88	39.57	48.39	39.93	18.28	292.52
1962	Below Normal	2.68	21.20	24.16	3.03	3.85	12.74	24.55	32.14	20.74	52.58	48.00	32.54	278.21
1963	Wet	23.75	20.75	17.48	20.69	24.62	26.49	26.84	33.89	40.51	42.35	41.04	28.30	346.71
1964	Dry	22.18	28.91	19.94	14.60	33.91	25.84	29.92	35.79	42.43	44.20	49.41	29.99	377.12
1965	Wet	23.84	21.79	21.63	21.95	31.89	31.00	28.33	34.26	33.32	45.03	43.25	30.17	366.46
1966	Below Normal	35.56	23.60	21.07	28.36	30.34	24.86	24.35	32.19	41.60	45.68	42.15	27.76	377.52
1967	Wet	28.78	17.95	9.91	7.00	27.21	28.73	44.88	48.78	56.64	61.58	61.54	43.91	436.91
1968	Below Normal	37.71	51.12	35.44	14.77	18.87	16.53	22.77	29.45	18.14	48.53	44.09	29.85	367.27
1969	Wet	28.08	18.71	15.69	19.07	27.74	34.71	36.72	44.60	53.12	53.85	59.99	42.58	434.86
1970	Wet	36.29	50.04	32.03	32.95	32.97	49.23	31.60	37.94	43.59	44.19	44.06	31.19	466.08
1971	Wet	28.71	31.36	24.35	31.27	32.45	28.86	24.40	32.54	41.82	45.78	42.39	28.03	391.96
1972	Below Normal	25.99	19.06	16.59	11.73	25.97	25.10	25.47	32.68	42.86	47.53	43.44	28.52	344.94
1973	Above Normal	28.07	18.13	15.84	5.85	29.87	32.07	30.78	40.04	45.83	46.41	46.32	33.05	372.26
1974	Wet	27.21	25.30	26.04	32.06	33.62	40.10	41.25	41.19	47.45	48.06	47.95	33.92	444.15
1975	Wet	27.85	40.99	26.67	26.22	22.59	35.01	33.46	39.25	44.79	45.39	45.32	32.49	420.03
1976	Critical	26.74	36.03	25.60	16.12	17.32	16.12	25.51	33.20	40.32	51.58	37.77	32.62	358.93
1977	Critical	23.74	20.70	14.85	2.97	3.72	5.51	9.43	4.34	0.10	3.17	1.72	10.44	100.69
1978	Above Normal	2.31	15.75	23.21	2.81	7.24	27.89	24.72	24.59	39.47	46.60	45.49	32.00	292.08
1979	Below Normal	32.35	34.64	23.46	13.91	14.59	35.20	34.43	40.52	46.12	46.74	46.69	33.62	402.27
1980	Above Normal	36.80	25.92	26.61	22.56	34.76	36.64	36.34	47.63	59.37	58.66	61.36	43.74	490.39
1981	Dry	36.69	44.06	37.87	14.27	15.02	14.45	23.44	31.17	19.96	51.07	53.86	31.54	373.40
1982	Wet	22.92	19.98	16.81	17.78	25.51	31.36	43.60	51.85	60.17	61.03	60.96	43.37	455.34
1983	Wet	36.31	33.86	33.43	29.35	26.25	30.34	32.66	32.92	37.71	51.67	58.48	43.79	446.77
1984	Wet	52.56	51.89	56.16	52.20	49.72	53.41	28.89	38.50	44.20	44.90	44.78	31.72	548.93
1985	Dry	25.84	24.01	29.34	27.05	25.24	28.59	31.33	37.83	43.49	44.07	53.32	31.14	401.25
1986	Wet	25.45	23.64	24.33	15.46	20.12	39.50	42.46	52.89	60.03	61.24	61.16	43.89	470.17
1987	Dry	37.10	27.08	40.26	11.49	11.14	7.90	12.28	15.61	20.68	25.79	18.22	12.16	239.71
1988	Critical	6.42	5.05	4.58	1.66	5.53	5.60	9.66	12.61	16.49	17.63	14.57	9.80	109.60
1989	Dry	5.10	3.99	3.64	2.08	5.78	7.60	32.67	39.73	47.62	54.16	48.65	34.15	285.17
1990	Critical	27.14	24.76	24.05	10.62	10.73	9.33	13.86	17.77	23.78	25.33	20.96	13.86	222.19
1991	Critical	7.48	5.76	5.21	1.91	3.74	5.53	9.94	12.44	16.34	20.06	14.47	9.69	112.57
1992	Critical	5.07	3.93	3.59	1.47	3.13	5.54	12.80	16.29	21.66	26.89	18.80	12.79	131.96
1993	Above Normal	5.20	4.12	6.50	2.82	24.94	27.54	27.77	34.35	28.58	48.58	46.03	31.87	288.30
1994	Critical	30.10	27.64	20.75	10.07	11.38	15.40	25.65	33.20	36.04	54.67	31.39	23.76	320.05
1995	Wet	4.64	16.80	29.63	3.01	19.55	17.23	40.90	48.55	55.06	56.21	56.21	40.39	388.18
1996	Wet	41.20	28.61	29.51	14.70	14.54	27.39	31.97	37.36	42.62	43.26	43.18	30.87	385.21
1997	Wet	38.13	23.56	24.21	31.04	33.11	43.28	37.32	44.07	50.58	51.32	51.24	36.34	464.20
1998	Wet	31.98	39.79	28.82	19.18	32.52	38.68	34.81	40.32	46.05	46.83	46.78	33.42	439.18
1999	Wet	27.51	29.37	31.88	32.39	48.25	38.75	29.01	38.31	43.99	44.88	44.64	36.99	445.97
2000	Above Normal	29.86	23.95	24.67	17.57	30.15	25.34	28.85	35.92	44.05	47.14	44.85	30.68	383.03
2001	Dry	28.54	25.82	20.39	9.35	9.66	10.09	18.06	23.59	31.89	40.12	28.66	18.78	264.95
2002	Dry	10.87	8.44	7.18	3.40	7.27	12.51	35.13	40.97	46.38	47.22	44.04	36.80	300.21

Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	39.31	50.83	28.41	7.41	23.39	28.40	30.34	35.89	41.67	42.77	42.18	29.83	400.43
1923	Below Normal	27.99	33.48	22.46	31.24	31.62	26.76	23.56	31.95	41.52	45.88	42.14	27.65	386.25
1924	Critical	28.27	17.69	15.75	6.01	6.73	8.27	12.77	16.66	22.32	25.23	19.68	12.92	192.30
1925	Dry	6.82	5.29	4.79	1.81	4.15	17.65	24.17	34.42	45.72	51.30	56.18	30.56	282.86
1926	Dry	22.10	19.19	16.21	3.04	5.11	10.97	17.09	28.45	37.54	42.04	41.34	25.23	268.31
1927	Wet	17.98	15.52	13.01	4.00	15.49	31.47	32.67	38.60	43.98	44.64	44.56	31.97	333.89
1928	Above Normal	26.32	34.24	25.16	15.64	19.57	14.91	36.78	42.93	48.63	49.39	49.37	35.72	398.66
1929	Critical	29.76	35.29	28.53	15.26	14.53	9.42	11.89	18.28	24.32	25.89	21.46	5.12	239.75
1930	Dry	8.56	9.68	8.73	2.87	4.92	7.63	19.31	25.03	33.63	36.55	34.63	20.73	212.27
1931	Critical	12.98	10.55	8.77	2.87	4.80	8.23	15.60	20.11	27.12	30.61	23.95	15.60	181.19
1932	Dry	8.59	6.45	5.83	3.05	6.52	26.72	17.93	26.14	34.71	41.63	34.97	22.91	235.45
1933	Critical	15.91	13.61	11.35	2.92	35.77	12.80	15.76	24.97	33.54	37.53	31.91	20.85	256.92
1934	Critical	13.31	10.83	9.02	2.96	5.23	11.93	16.68	24.41	32.84	37.38	29.27	3.64	197.50
1935	Below Normal	18.70	16.04	13.11	2.98	6.36	11.09	31.99	39.01	47.36	50.23	48.09	33.33	318.29
1936	Below Normal	30.62	23.76	22.83	10.03	12.61	45.72	33.05	42.35	48.15	48.90	48.84	35.16	402.02
1937	Below Normal	36.07	27.26	27.97	16.08	44.42	49.91	40.86	46.46	53.49	58.40	58.40	48.08	507.40
1938	Wet	35.48	33.23	34.13	18.61	33.07	35.91	41.55	49.78	55.33	62.41	62.28	44.50	506.28
1939	Dry	43.44	47.24	36.39	21.54	21.25	15.87	22.70	29.29	7.70	52.96	37.71	30.01	366.10
1940	Above Normal	10.63	7.38	28.92	2.89	4.26	13.81	26.05	34.68	40.12	51.73	48.47	32.15	301.09
1941	Wet	25.24	27.09	17.16	10.93	24.78	30.70	36.38	38.68	44.99	49.75	49.66	35.38	390.74
1942	Wet	39.05	31.18	27.93	31.25	32.42	34.06	26.52	33.01	41.14	44.21	41.68	28.09	410.54
1943	Wet	28.96	26.82	17.96	23.90	29.96	30.25	40.19	43.07	50.09	54.95	54.87	39.06	440.08
1944	Dry	36.22	15.51	42.34	10.55	10.29	10.76	19.78	25.73	34.24	37.60	36.85	21.67	301.54
1945	Below Normal	14.04	11.59	9.69	4.95	6.35	43.14	32.96	41.26	46.96	47.68	47.61	34.27	340.50
1946	Below Normal	39.36	26.48	27.17	31.94	32.92	37.65	27.44	33.88	39.91	41.29	40.42	28.09	406.55
1947	Dry	33.23	20.40	20.48	13.68	15.69	14.20	36.76	42.88	48.59	49.30	56.60	35.67	387.48
1948	Below Normal	29.70	27.77	28.48	13.67	13.13	9.03	15.47	18.64	19.42	49.73	45.76	31.82	302.62
1949	Dry	28.69	20.52	17.12	4.67	6.02	9.90	29.09	36.92	47.69	52.58	47.14	35.87	336.21
1950	Below Normal	26.17	13.77	17.57	3.75	4.32	8.45	24.02	31.04	14.06	52.99	48.07	32.01	276.22
1951	Above Normal	28.43	19.33	16.14	51.67	48.26	53.44	29.25	38.61	44.36	44.97	44.86	31.77	451.09
1952	Wet	29.09	32.09	24.44	31.29	34.24	39.39	31.25	37.97	44.26	49.06	48.95	34.71	436.74
1953	Wet	33.13	39.67	27.41	32.76	32.29	29.72	23.22	31.52	41.68	46.53	42.28	27.50	407.71
1954	Above Normal	21.95	22.20	14.92	5.94	22.51	16.56	25.08	33.28	44.45	50.04	45.21	29.40	331.54
1955	Dry	25.32	21.57	15.36	4.16	7.24	12.89	23.28	30.24	40.09	45.04	46.67	26.78	298.64
1956	Wet	19.10	16.51	13.89	19.13	44.92	54.28	34.62	43.54	50.10	50.80	50.69	35.90	433.48
1957	Above Normal	37.84	33.76	28.42	19.31	19.33	21.80	25.94	34.23	37.17	52.38	48.37	32.12	390.67
1958	Wet	23.28	26.16	17.10	3.76	27.75	31.29	45.33	53.27	56.98	61.89	61.88	44.21	452.90
1959	Below Normal	37.15	32.93	40.43	13.56	15.00	15.44	22.38	28.82	15.07	48.69	44.17	29.55	343.19
1960	Dry	27.55	18.42	15.47	2.90	3.62	9.55	29.56	37.51	41.85	54.52	49.23	36.08	326.26
1961	Dry	27.29	24.21	21.43	5.42	6.70	8.23	23.17	29.89	39.58	48.49	39.81	18.29	292.51
1962	Below Normal	2.64	21.17	24.13	3.03	3.85	12.75	24.55	32.14	20.74	52.58	48.00	32.54	278.12
1963	Wet	23.75	20.75	17.47	20.69	24.62	26.49	26.84	33.89	40.51	42.35	41.04	28.30	346.70
1964	Dry	22.18	28.84	19.94	14.63	33.91	25.85	29.92	35.79	42.42	44.19	49.41	29.99	377.07
1965	Wet	23.84	21.79	21.63	21.96	31.89	31.00	28.32	34.26	33.28	45.03	43.24	30.15	366.39
1966	Below Normal	35.59	23.36	21.08	28.34	30.33	24.86	24.35	32.20	41.60	45.68	42.15	27.76	377.30
1967	Wet	28.77	17.95	9.92	7.01	27.21	28.74	44.88	48.78	56.64	61.58	61.54	43.91	436.93
1968	Below Normal	39.24	46.58	37.28	13.58	17.42	16.18	22.86	29.57	18.34	48.67	44.23	29.95	363.90
1969	Wet	28.16	18.80	15.76	18.99	27.68	34.72	36.07	45.33	48.63	54.66	60.80	43.36	432.96
1970	Wet	37.66	50.23	32.83	32.87	43.01	34.02	37.65	43.24	43.84	43.72	30.96	462.90	
1971	Wet	28.52	31.17	24.16	31.27	32.47	29.20	24.51	32.60	41.74	45.58	42.30	28.03	391.55
1972	Below Normal	25.99	19.18	16.76	12.14	26.08	25.20	25.51	32.72	42.87	47.52	43.45	28.54	345.96
1973	Above Normal	28.10	18.16	15.89	5.91	29.87	32.07	30.78	40.04	45.83	46.41	46.32	33.05	372.43
1974	Wet	27.21	25.30	26.04	32.06	33.60	40.08	41.03	41.08	47.32	47.93	47.82	33.82	443.29
1975	Wet	27.77	40.52	26.59	26.39	22.65	34.97	33.42	39.21	44.74	45.34	45.27	32.45	419.32
1976	Critical	26.71	36.07	25.56	16.10	17.32	16.15	25.57	33.27	40.49	51.57	37.84	32.71	359.36
1977	Critical	23.80	20.75	14.51	2.97	3.72	5.51	9.43	4.30	0.10	3.16	1.72	10.45	100.42
1978	Above Normal	2.24	15.79	23.20	2.81	7.24	25.99	23.64	23.75	40.04	48.28	46.11	31.76	290.85
1979	Below Normal	31.67	32.87	21.50	11.48	12.41	33.04	33.04	38.84	44.17	44.77	44.71	32.21	380.71
1980	Above Normal	34.11	24.75	25.39	25.28	34.65	36.55	28.94	40.33	51.06	50.22	52.89	37.55	441.72
1981	Dry	31.14	43.30	29.88	18.95	26.75	22.67	25.71	34.53	42.41	51.72	54.39	31.06	412.51
1982	Wet	22.60	19.70	16.91	18.64	26.17	31.34	43.59	51.84	60.16	61.02	60.95	43.35	456.27
1983	Wet	36.30	33.85	32.42	29.35	26.25	30.34	32.66	30.43	36.12	51.83	55.78	44.29	439.62
1984	Wet	52.56	51.89	56.16	52.20	49.72	53.41	28.89	38.50	44.20	44.90	44.78	31.72	548.93
1985	Dry	25.84	24.01	29.34	27.05	25.25	28.59	31.33	37.83	43.49	44.07	53.32	31.14	401.26
1986	Wet	25.45	23.64	24.33	15.46	16.83	39.28	44.02	52.99	60.06	61.34	61.24	43.95	468.59
1987	Dry	37.23	24.31	40.27	11.48	11.14	7.90	12.27	15.60	20.67	25.72	18.22	12.15	236.96
1988	Critical	6.42	5.05	4.58	1.66	5.53	5.60	9.66	12.74	16.67	17.82	14.73	9.90	110.36
1989	Dry	5.16	4.03	3.68	2.06	5.76	7.56	32.52	39.64	47.67	54.32	47.28	34.50	284.18
1990	Critical	27.41	24.98	24.17	10.39	10.57	9.32	13.95	17.90	23.97	25.53	21.12	13.97	223.28
1991	Critical	7.54	5.80	5.24	1.93	3.74	5.53	9.94	12.44	16.34	20.05	14.47	9.69	112.71
1992	Critical	5.07	3.93	3.59	1.47	3.13	5.54	12.61	16.03	21.30	26.45	18.49	12.58	130.19
1993	Above Normal	5.40	4.11	6.15	2.67	24.97	27.62	27.83	34.38	28.84	48.44	45.92	31.83	288.16
1994	Critical	30.10	27.57	20.79	10.19	11.48	15.41	25.62	33.16	36.42	54.64	31.27	23.75	320.40
1995	Wet	4.59	16.79	29.64	3.01	19.54	17.23	40.90	48.55	55.06	53.28	53.93	41.67	384.19
1996	Wet	32.15	9.91	29.06	14.72	14.53	27.38	31.88	37.25	42.49	43.13	43.05	30.78	356.33
1997	Wet	37.41	23.49	24.13	31.04	33.11	42.99	37.31	44.06	50.57	51.31	51.23	36.34	462.99
1998	Wet	32.04	39.72	28.82	19.16	32.52	38.44	35.06	40.09	45.78	46.28	46.57	33.28	437.76
1999	Wet	27.40	29.03	31.89	32.38	48.25	38.75	29.01	38.31	43.99	44.88	44.64	37.00	445.53
2000	Above Normal	29.89	23.95	24.67	17.57	30.16	25.00	28.69	35.84	44.13	47.34	44.93	30.86	382.83
2001	Dry	28.43	25.70	20.17	9.06	9.42	10.02	18.08	23.62	31.92	40.16	28.71	18.81	264.10
2002	Dry	10.91	8.48	7.20	3.42	7.26	12.50	35.09	40.92	46.33	47.16	43.62	36.85	299.74

Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1923	Below Normal	0.00	(0.04)	(0.01)	(0.01)	(0.02)	(0.19)	(0.03)	(0.01)	0.03	0.05	0.02	0.00	(0.02)
1924	Critical	(0.12)	(0.03)	(0.05)	(0.08)	(0.06)	(0.01)	0.00	0.00	0.00	0.02	0.01	0.00	(0.03)
1925	Dry	0.00	0.00	0.00	0.00	0.00	(0.14)	0.01	0.02	0.03	0.03	0.05	0.02	0.00
1926	Dry	0.02	0.01	0.01	0.00	(0.01)	(0.01)	(0.02)	(0.02)	(0.02)	(0.03)	(0.04)	(0.02)	(0.01)
1927	Wet	(0.01)	(0.01)	(0.01)	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1928	Above Normal	0.00	0.01	0.00	0.00	(0.02)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1929	Critical	0.01	(0.01)	0.00	0.00	0.00	(0.01)	(0.01)	0.00	(0.01)	0.00	(0.01)	0.00	0.00
1930	Dry	0.00	(0.01)	0.00	0.00	0.00	(0.01)	(0.01)	0.00	(0.01)	0.00	(0.01)	0.00	0.00
1931	Critical	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
1932	Dry	0.00	0.00	0.00	(0.01)	0.00	0.71	0.00	0.00	0.00	0.00	(0.01)	(0.01)	0.06
1933	Critical	0.00	0.00	0.00	0.00	(0.71)	0.00	0.00	0.01	0.00	(0.01)	0.00	0.00	(0.06)
1934	Critical	0.00	0.00	0.00	0.00	0.80	3.29	(1.16)	1.30	1.49	2.19	7.85	0.18	1.33
1935	Below Normal	(0.07)	1.20	1.39	0.01	(0.03)	(0.10)	(0.87)	(0.50)	0.23	0.81	0.26	(0.20)	0.18
1936	Below Normal	(0.55)	(0.69)	(1.11)	(1.23)	(1.13)	(0.57)	0.00	(0.01)	(0.01)	0.00	(0.01)	(0.01)	(0.44)
1937	Below Normal	(0.02)	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00
1938	Wet	0.00	0.00	0.00	(0.48)	(0.16)	(10.58)	0.83	0.71	(1.72)	0.52	0.44	0.36	(0.84)
1939	Dry	0.74	0.69	0.72	1.35	(0.97)	(2.86)	(3.96)	(5.30)	(19.43)	(1.34)	1.58	(3.99)	(2.73)
1940	Above Normal	1.18	0.20	0.17	(0.02)	0.02	0.00	0.00	0.00	0.04	(0.03)	0.01	0.01	0.13
1941	Wet	0.03	0.31	0.00	(0.01)	0.00	(0.11)	(0.11)	(0.13)	(0.16)	(0.16)	(0.15)	(0.11)	(0.05)
1942	Wet	0.28	(0.57)	(0.10)	(0.01)	0.01	(0.15)	(0.01)	(0.01)	0.01	0.02	0.01	0.00	(0.04)
1943	Wet	(0.01)	(0.11)	(0.02)	(0.04)	(0.27)	(0.25)	(0.20)	(0.24)	(0.28)	(0.28)	(0.28)	(0.20)	(0.18)
1944	Dry	(1.93)	(0.26)	1.83	(0.82)	(0.73)	(0.23)	0.00	0.00	(0.01)	0.00	0.07	(0.01)	(0.17)
1945	Below Normal	0.00	0.00	0.00	0.01	0.00	(6.81)	0.05	0.05	0.05	0.05	0.05	0.05	(0.54)
1946	Below Normal	(0.16)	0.04	0.04	(0.01)	0.00	(0.06)	(0.24)	(0.15)	0.07	0.25	0.08	(0.06)	(0.02)
1947	Dry	(0.15)	(0.19)	(0.32)	(0.39)	0.04	(0.38)	0.10	0.12	0.14	0.13	0.19	0.10	(0.05)
1948	Below Normal	0.09	0.08	0.09	(0.54)	(0.47)	(0.17)	0.00	0.17	0.00	0.03	0.02	0.05	(0.05)
1949	Dry	0.02	0.02	(0.06)	(0.02)	(0.02)	(0.02)	(0.16)	(0.11)	0.01	0.11	(0.22)	0.02	(0.04)
1950	Below Normal	(0.02)	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1951	Above Normal	0.00	0.00	0.00	(0.06)	0.00	0.00	0.02	0.03	0.03	0.03	0.03	0.02	0.01
1952	Wet	0.02	0.01	0.02	0.00	(0.01)	(0.02)	(0.12)	(6.96)	(7.99)	(8.10)	(8.13)	(5.87)	(3.10)
1953	Wet	(5.37)	(4.83)	(5.11)	0.69	6.51	11.06	1.02	1.86	14.57	(0.75)	(0.51)	(0.93)	1.52
1954	Above Normal	(0.88)	(0.54)	0.09	1.27	5.60	1.52	(0.07)	0.06	1.57	0.79	(0.38)	(0.44)	0.72
1955	Dry	(0.18)	(0.46)	(0.29)	(0.11)	0.19	0.30	0.52	0.69	0.95	1.06	0.93	0.63	0.35
1956	Wet	0.49	0.43	0.37	(3.21)	(5.47)	0.01	0.10	0.08	0.08	0.09	0.09	0.08	(0.57)
1957	Above Normal	0.08	0.08	0.08	0.01	0.00	(0.44)	0.00	(0.02)	(0.33)	0.00	0.05	0.05	(0.04)
1958	Wet	0.04	0.04	0.03	(0.01)	(0.02)	(0.01)	(0.02)	(0.02)	(0.03)	(0.03)	(0.03)	(0.01)	(0.01)
1959	Below Normal	(0.02)	(1.16)	(0.03)	0.02	0.00	0.01	0.00	0.00	(0.01)	0.00	0.00	0.00	(0.10)
1960	Dry	0.19	0.00	0.01	0.00	0.00	(0.04)	0.01	0.00	0.03	0.00	0.06	(0.02)	0.02
1961	Dry	(0.01)	(0.02)	(0.01)	0.01	0.01	0.00	0.00	0.01	0.01	0.10	(0.12)	0.01	0.00
1962	Below Normal	(0.04)	(0.03)	(0.03)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)
1963	Wet	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1964	Dry	0.00	(0.07)	0.00	0.03	0.00	0.01	0.00	0.00	(0.01)	(0.01)	0.00	0.00	0.00
1965	Wet	0.00	0.00	0.00	0.01	0.00	0.00	(0.01)	0.00	(0.04)	0.00	(0.01)	(0.02)	(0.01)
1966	Below Normal	0.03	(0.24)	0.01	(0.02)	(0.01)	0.00	0.00	0.01	0.00	0.00	0.00	0.00	(0.02)
1967	Wet	(0.01)	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1968	Below Normal	1.53	(4.54)	1.84	(1.19)	(1.45)	(0.35)	0.09	0.12	0.20	0.14	0.14	0.10	(0.28)
1969	Wet	0.08	0.09	0.07	(0.08)	(0.06)	0.01	(0.65)	0.73	(4.49)	0.81	0.81	0.78	(0.16)
1970	Wet	1.37	0.19	0.80	(0.08)	(0.10)	(6.22)	2.42	(0.29)	(0.35)	(0.35)	(0.34)	(0.23)	(0.27)
1971	Wet	(0.19)	(0.19)	(0.19)	0.00	0.02	0.34	0.11	0.06	(0.08)	(0.20)	(0.09)	0.00	(0.03)
1972	Below Normal	0.00	0.12	0.17	0.41	0.11	0.10	0.04	0.04	0.01	(0.01)	0.01	0.02	0.09
1973	Above Normal	0.03	0.03	0.05	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1974	Wet	0.00	0.00	0.00	0.00	(0.02)	(0.02)	(0.22)	(0.11)	(0.13)	(0.13)	(0.13)	(0.10)	(0.07)
1975	Wet	(0.08)	(0.47)	(0.08)	0.17	0.06	(0.04)	(0.04)	(0.04)	(0.05)	(0.05)	(0.05)	(0.04)	(0.06)
1976	Critical	(0.03)	0.04	(0.04)	(0.02)	0.00	0.03	0.06	0.07	0.17	(0.01)	0.07	0.09	0.04
1977	Critical	0.06	0.05	(0.34)	0.00	0.00	0.00	0.00	(0.04)	0.00	(0.01)	0.00	0.01	(0.02)
1978	Above Normal	(0.07)	0.04	(0.01)	0.00	0.00	(1.90)	(1.08)	(0.84)	0.57	1.68	0.62	(0.24)	(0.10)
1979	Below Normal	(0.68)	(1.77)	(1.96)	(2.43)	(2.18)	(2.16)	(1.39)	(1.68)	(1.95)	(1.97)	(1.98)	(1.41)	(1.80)
1980	Above Normal	(2.69)	(1.17)	(1.22)	2.72	(0.11)	(0.09)	(7.40)	(7.30)	(8.31)	(8.44)	(8.47)	(6.19)	(4.06)
1981	Dry	(5.55)	(0.76)	(7.99)	4.68	11.73	8.22	2.27	3.36	22.45	0.65	0.53	(0.48)	3.26
1982	Wet	(0.32)	(0.28)	0.10	0.86	0.66	(0.02)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.02)	0.08
1983	Wet	(0.01)	(0.01)	(1.01)	0.00	0.00	0.00	0.00	(2.49)	(1.59)	0.16	(2.70)	0.50	(0.60)
1984	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1985	Dry	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	(3.29)	(0.22)	1.56	0.10	0.03	0.10	0.08	0.06	(0.13)
1987	Dry	0.13	(2.77)	0.01	(0.01)	0.00	0.00	(0.01)	(0.01)	0.01	(0.07)	0.00	(0.01)	(0.23)
1988	Critical	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.18	0.19	0.16	0.10	0.06
1989	Dry	0.06	0.04	0.04	(0.02)	(0.02)	(0.04)	(0.15)	(0.09)	0.05	0.16	(1.37)	0.35	(0.08)
1990	Critical	0.27	0.22	0.12	(0.23)	(0.16)	(0.01)	0.09	0.13	0.19	0.20	0.16	0.11	0.09
1991	Critical	0.06	0.04	0.03	0.02	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.01
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.19)	(0.26)	(0.36)	(0.44)	(0.31)	(0.21)	(0.15)
1993	Above Normal	0.20	(0.01)	(0.35)	(0.15)	0.03	0.08	0.06	0.03	0.26	(0.14)	(0.11)	(0.04)	(0.01)
1994	Critical	0.00	(0.07)	0.04	0.12	0.10	0.01	(0.03)	(0.04)	0.38	(0.03)	(0.12)	(0.01)	0.03
1995	Wet	(0.05)	(0.01)	0.01	0.00	(0.01)	0.00	0.00	0.00	(2.93)	(2.28)	1.28	(0.33)	(0.33)
1996	Wet	(9.05)	(18.70)	(0.45)	0.02	(0.01)	(0.01)	(0.09)	(0.11)	(0.13)	(0.13)	(0.13)	(0.09)	(2.41)
1997	Wet	(0.72)	(0.07)	(0.08)	0.00	0.00	(0.29)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	0.00	(0.10)
1998	Wet	0.06	(0.07)	0.00	(0.02)	0.00	(0.24)	0.25	(0.23)	(0.27)	(0.55)	(0.21)	(0.14)	(0.12)
1999	Wet	(0.11)	(0.34)	0.01	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	(0.04)
2000	Above Normal	0.03	0.00	0.00	0.00	0.01	(0.34)	(0.16)	(0.08)	0.08	0.20	0.08	(0.02)	(0.02)
2001	Dry	(0.11)	(0.12)	(0.22)	(0.29)	(0.24)	(0.07)	0.02	0.03	0.03	0.04	0.05	0.03	(0.07)
2002	Dry	0.04	0.04	0.02	0.02	(0.01)	(0.01)	(0.04)	(0.05)	(0.05)	(0.06)	(0.42)	0.05	(0.04)
2003	Above Normal	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.05
Average		(0.26)	(0.45)	(0.16)	0.01	0.10	(0.12)	(0.11)	(0.21)	(0.05)	(0.19)	(0.17)	(0.20)	(0.15)
Wet		(0.52)	(0.95)	(0.22)	(0.08)	(0.08)	(0.26)	0.18	(0.27)	(0.10)	(0.46)	(0.52)	(0.18)	(0.29)
Above Normal		(0.13)	(0.11)	(0.10)	0.32	0.46	(0.10)	(0.72)	(0.68)	(0.51)	(0.49)	(0.68)	(0.57)	(0.28)
Below Normal		0.01	(0.50)	0.03	(0.36)	(0.37)	(0.74)	(0.17)	(0.14)	(0.10)	(0.05)	(0.10)	(0.11)	(0.22)
Dry		(0.37)	(0.21)	(0.35)	0.25	0.55	0.30	(0.08)	(0.07)	0.23	0.04	0.07	(0.19)	0.02
Critical		0.02	0.02	(0.02)	(0.02)	(0.00)	0.28	(0.10)	0.11	0.17	0.17	0.65	0.02	0.11

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP Dos Amigos: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%	0%
1933	Critical	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	18%	38%	-7%	6%	5%	6%	37%	5%
1935	Below Normal	0%	8%	12%	0%	0%	-1%	-3%	-1%	2%	1%	-1%	-1%
1936	Below Normal	-2%	-3%	-5%	-11%	-8%	-1%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	0%	0%	-3%	0%	-23%	2%	1%	-3%	1%	1%	1%
1939	Dry	2%	1%	2%	7%	-4%	-15%	-15%	-15%	-72%	-2%	4%	-12%
1940	Above Normal	12%	3%	1%	-1%	0%	0%	0%	0%	0%	0%	0%	0%
1941	Wet	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1942	Wet	1%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	-1%	-1%	-1%	-1%	-1%
1944	Dry	-5%	-2%	5%	-7%	-2%	0%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-14%	0%	0%	0%	0%	0%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	0%	1%	0%	0%
1947	Dry	0%	-1%	-2%	-3%	0%	-3%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-4%	-3%	-2%	0%	1%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-15%	-14%	-14%	-14%
1953	Wet	-14%	-11%	-16%	2%	25%	59%	5%	6%	54%	-2%	-1%	-3%
1954	Above Normal	-4%	-2%	1%	27%	33%	10%	0%	0%	4%	2%	-1%	-1%
1955	Dry	-1%	-2%	-2%	-3%	3%	2%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	3%	-14%	-11%	0%	0%	0%	0%	0%	0%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-1%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1966	Below Normal	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1968	Below Normal	4%	-9%	5%	-8%	-8%	-2%	0%	1%	0%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	-2%	2%	-8%	2%	1%	2%
1970	Wet	4%	0%	2%	0%	0%	-13%	8%	-1%	-1%	-1%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	1%	1%	3%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%
1975	Wet	0%	-1%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1977	Critical	0%	0%	-2%	0%	0%	0%	0%	-1%	0%	0%	0%	0%
1978	Above Normal	-3%	0%	0%	0%	0%	-7%	-4%	-3%	1%	4%	1%	-1%
1979	Below Normal	-2%	-5%	-8%	-17%	-15%	-6%	-4%	-4%	-4%	-4%	-4%	-4%
1980	Above Normal	-7%	-5%	-5%	12%	0%	0%	-20%	-15%	-14%	-14%	-14%	-14%
1981	Dry	-15%	-2%	-21%	33%	78%	57%	10%	11%	112%	1%	1%	-2%
1982	Wet	-1%	-1%	1%	5%	3%	0%	0%	0%	0%	0%	0%	0%
1983	Wet	0%	0%	-3%	0%	0%	0%	0%	-8%	-4%	0%	-5%	1%
1984	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-16%	-1%	4%	0%	0%	0%	0%	0%
1987	Dry	0%	-10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	0%	-1%	0%	0%	0%	0%	-3%	1%
1990	Critical	1%	1%	0%	-2%	-1%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	4%	0%	-5%	-5%	0%	0%	0%	0%	1%	0%	0%	0%
1994	Critical	0%	0%	0%	1%	1%	0%	0%	0%	1%	0%	0%	0%
1995	Wet	-1%	0%	0%	0%	0%	0%	0%	0%	0%	-5%	-4%	3%
1996	Wet	-22%	-65%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1997	Wet	-2%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	-1%	1%	-1%	-1%	-1%	0%	0%
1999	Wet	0%	-1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%
2001	Dry	0%	0%	-1%	-3%	-2%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	-1%	0%
2003	Above Normal	5%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		-1%	-1%	0%	0%	1%	1%	0%	0%	1%	0%	0%	0%
Wet		-1%	-3%	-1%	0%	0%	1%	1%	-1%	1%	-1%	-1%	-1%
Above Normal		1%	0%	-1%	3%	3%	0%	-2%	-2%	-1%	-1%	-1%	-1%
Below Normal		0%	-1%	0%	-3%	-2%	-2%	0%	0%	0%	0%	0%	0%
Dry		-1%	-1%	-1%	1%	4%	2%	0%	0%	2%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	3%	-1%	0%	1%	1%	3%	0%

Energy Use (GWh) At Pumping Plant at SWP San Luis: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	58.18	45.80	0.00	14.46	0.00	0.00	14.97	21.37	22.23	33.84	210.85
1923	Below Normal	11.59	0.00	25.03	0.00	0.00	0.00	0.00	0.00	0.00	14.29	21.29	37.63	109.83
1924	Critical	8.86	2.64	11.23	34.36	21.62	0.00	0.00	0.00	0.00	26.04	0.00	0.00	104.75
1925	Dry	19.31	34.77	54.12	55.13	32.11	33.67	0.00	0.00	0.00	11.94	0.00	33.33	274.38
1926	Dry	0.90	0.41	14.12	49.63	16.95	0.00	0.00	0.00	0.00	21.12	0.00	9.84	112.97
1927	Wet	0.00	71.32	36.42	34.66	32.28	0.00	0.00	0.00	0.00	19.06	21.47	36.72	251.93
1928	Above Normal	0.00	0.00	66.39	29.05	0.00	38.53	0.00	0.00	0.00	4.72	6.31	22.52	167.52
1929	Critical	0.00	0.00	18.87	23.64	20.64	27.82	1.33	0.00	0.00	0.00	0.00	0.34	92.64
1930	Dry	0.22	0.06	33.25	34.05	29.18	34.92	0.00	0.00	0.00	36.84	3.51	59.94	231.97
1931	Critical	0.82	4.38	6.46	54.20	30.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.18
1932	Dry	0.00	11.07	104.92	57.05	110.45	11.07	0.00	0.00	0.00	0.00	8.59	0.00	303.15
1933	Critical	1.06	0.50	37.17	117.68	7.70	0.68	0.00	0.00	0.00	0.00	0.00	0.00	164.79
1934	Critical	0.00	3.14	61.69	106.65	71.62	9.95	0.00	0.00	0.00	0.00	0.00	0.39	253.44
1935	Below Normal	0.23	15.59	41.19	66.04	72.24	39.93	0.00	0.00	0.00	12.54	18.28	34.42	300.46
1936	Below Normal	13.66	3.35	19.79	23.25	129.21	28.97	0.00	0.00	0.00	14.01	17.02	32.43	281.69
1937	Below Normal	17.15	0.00	60.46	54.05	37.63	0.72	0.00	0.00	0.00	0.00	0.00	0.00	170.01
1938	Wet	0.00	38.32	26.04	99.30	74.41	36.27	0.00	0.00	0.00	0.00	0.00	10.21	284.55
1939	Dry	0.00	0.00	44.15	17.43	0.49	0.00	0.00	0.00	0.00	0.49	0.43	0.32	63.31
1940	Above Normal	0.18	0.05	0.01	27.02	40.05	58.97	0.00	0.00	0.00	0.47	6.02	24.03	156.80
1941	Wet	0.54	0.00	25.03	40.63	80.84	71.22	0.00	0.00	0.00	11.44	12.38	18.09	260.17
1942	Wet	0.00	0.00	11.49	11.82	10.15	10.18	0.00	0.00	0.00	15.85	20.05	25.41	104.95
1943	Wet	2.68	0.00	27.92	35.37	29.10	70.66	0.00	0.00	0.00	0.00	2.92	11.91	180.56
1944	Dry	0.00	0.00	23.76	31.32	34.08	15.09	0.00	0.00	0.00	23.63	4.17	0.00	132.05
1945	Below Normal	3.69	67.83	43.73	51.83	55.92	7.78	0.00	0.00	0.00	12.20	15.10	28.53	286.61
1946	Below Normal	20.52	54.08	40.22	0.53	0.00	0.00	0.00	0.00	0.00	21.16	22.73	40.99	200.23
1947	Dry	23.54	23.29	38.66	26.67	23.38	0.00	0.00	0.00	0.00	8.83	0.00	22.16	166.53
1948	Below Normal	5.13	0.27	0.00	5.01	0.00	19.02	0.00	0.00	0.42	8.12	14.80	26.87	79.64
1949	Dry	1.56	1.38	35.55	47.32	43.86	10.70	0.00	0.00	0.00	3.54	0.00	22.32	166.23
1950	Below Normal	0.00	0.06	0.00	26.02	28.02	36.47	0.00	0.00	0.00	4.31	12.29	27.38	134.55
1951	Above Normal	34.05	68.80	110.47	12.84	0.11	0.71	0.00	0.00	0.00	5.43	13.67	32.70	278.78
1952	Wet	0.00	14.73	15.10	14.94	0.00	51.08	0.00	0.00	0.00	0.00	0.83	19.04	115.72
1953	Wet	0.00	0.00	47.17	0.00	5.59	20.83	0.00	0.00	0.00	11.06	18.48	31.96	135.09
1954	Above Normal	0.00	0.00	36.93	24.63	2.24	24.65	0.00	0.00	0.00	0.52	12.85	27.10	128.92
1955	Dry	0.59	13.50	82.32	55.76	37.91	12.89	0.00	0.00	0.00	21.70	0.00	0.00	224.67
1956	Wet	0.00	25.73	71.42	105.70	0.09	0.71	0.00	0.00	0.00	9.96	11.02	21.57	246.20
1957	Above Normal	0.00	0.00	56.14	16.85	0.00	0.08	0.00	0.00	0.00	0.50	11.07	24.16	108.80
1958	Wet	44.35	4.20	26.31	36.95	3.43	61.39	0.00	0.00	0.00	0.00	0.00	9.08	185.71
1959	Below Normal	0.00	0.00	24.83	8.48	13.89	22.93	0.00	0.00	0.00	8.47	14.03	31.48	124.11
1960	Dry	1.84	0.00	1.14	46.82	28.28	19.17	0.00	0.00	0.00	0.97	0.00	21.15	119.37
1961	Dry	0.00	10.16	62.04	44.45	17.47	39.15	0.00	0.00	0.00	9.95	0.00	0.28	183.50
1962	Below Normal	0.18	0.05	0.00	27.91	37.11	34.61	0.00	0.00	0.00	6.21	11.72	24.37	142.16
1963	Wet	48.86	64.74	25.26	0.00	0.00	1.70	0.00	0.00	0.00	21.29	26.37	44.59	232.81
1964	Dry	13.30	29.30	49.07	32.56	0.00	0.00	0.00	0.00	0.00	15.06	0.00	29.01	168.30
1965	Wet	0.00	4.40	17.13	40.56	0.00	9.62	0.00	0.00	0.00	14.06	17.73	26.59	130.09
1966	Below Normal	0.00	15.08	79.73	6.00	0.00	0.00	0.00	0.00	0.00	12.15	16.99	36.44	166.39
1967	Wet	4.65	23.41	44.58	53.51	0.00	8.30	0.00	0.00	0.00	0.00	0.00	11.08	145.53
1968	Below Normal	0.00	0.00	32.25	25.44	0.00	20.45	0.00	0.00	0.00	7.28	14.11	31.02	130.55
1969	Wet	0.62	24.56	85.80	33.55	61.48	0.65	1.54	2.78	0.00	0.00	0.00	12.66	223.64
1970	Wet	0.00	0.00	2.22	85.35	15.67	2.60	0.00	0.00	0.00	21.37	19.43	7.79	154.43
1971	Wet	0.00	38.84	15.44	0.00	0.00	2.92	0.00	0.00	0.00	13.74	21.02	38.10	130.06
1972	Below Normal	4.68	0.00	82.64	31.95	0.00	0.00	0.00	0.00	0.00	9.76	17.65	36.41	183.09
1973	Above Normal	21.73	69.08	33.00	41.44	0.12	0.56	0.00	0.00	0.00	14.68	16.96	29.98	227.55
1974	Wet	18.62	56.23	21.89	6.31	0.00	0.00	0.00	0.00	0.00	11.74	13.04	25.47	153.30
1975	Wet	11.67	0.00	61.62	2.48	1.82	19.13	0.00	0.00	0.00	13.24	15.22	25.47	150.65
1976	Critical	19.32	0.00	61.63	18.84	0.00	10.36	0.00	0.00	0.00	6.25	0.00	25.81	142.28
1977	Critical	0.00	0.00	0.00	16.62	4.01	0.00	0.00	0.19	0.52	0.50	0.45	0.30	22.59
1978	Above Normal	0.19	0.05	0.01	32.49	57.09	23.06	0.00	0.00	0.00	18.01	20.81	36.78	188.49
1979	Below Normal	0.00	0.00	65.11	40.25	57.44	4.88	0.00	0.00	0.00	17.42	20.51	34.30	239.91
1980	Above Normal	19.53	3.07	69.03	41.75	0.13	0.65	0.00	0.00	0.00	0.00	0.00	10.78	144.94
1981	Dry	0.00	0.00	28.88	26.57	20.43	8.02	0.00	0.00	0.00	5.56	0.00	13.17	102.63
1982	Wet	0.39	48.54	25.67	24.88	74.67	73.35	8.13	0.00	0.00	0.00	0.00	15.41	271.04
1983	Wet	36.53	41.30	67.41	0.00	0.12	0.67	1.24	2.54	2.78	3.45	0.00	18.34	174.38
1984	Wet	1.41	0.35	0.04	0.00	0.10	0.84	0.00	0.00	0.00	12.13	20.50	6.76	42.13
1985	Dry	14.87	59.26	60.23	0.00	0.11	0.00	0.00	0.00	0.00	17.82	0.00	30.02	182.31
1986	Wet	16.50	35.68	21.97	5.52	90.82	0.81	0.00	0.00	0.00	0.00	0.00	12.93	184.23
1987	Dry	0.00	0.00	24.61	29.71	27.19	20.42	0.00	0.00	0.00	0.00	0.00	5.79	107.72
1988	Critical	0.00	2.81	38.24	34.93	2.38	14.07	0.00	0.00	0.00	24.55	0.00	0.00	116.98
1989	Dry	0.00	39.80	39.25	52.17	5.83	3.34	0.00	0.00	0.00	1.60	0.00	25.67	167.66
1990	Critical	7.42	0.00	20.24	28.12	12.72	0.00	0.00	0.00	0.00	37.12	0.00	0.00	105.62
1991	Critical	0.00	0.91	4.32	5.02	11.43	7.39	0.00	0.00	0.00	36.17	0.00	0.00	65.24
1992	Critical	3.35	0.00	16.21	14.37	18.85	26.48	0.00	0.00	0.00	0.00	0.00	3.93	83.19
1993	Above Normal	0.00	0.05	30.34	44.39	10.56	5.02	0.00	0.00	0.00	9.20	14.03	25.25	138.84
1994	Critical	3.83	0.00	57.22	33.28	28.88	4.19	0.00	0.00	0.00	1.52	0.00	0.32	129.24
1995	Wet	0.18	0.03	0.00	31.09	12.48	87.48	0.00	1.52	0.00	0.00	2.38	19.04	154.20
1996	Wet	0.00	0.00	0.01	11.68	84.97	52.13	0.00	0.00	0.00	15.91	17.84	27.69	210.23
1997	Wet	0.00	0.00	72.09	80.87	71.06	36.20	0.00	0.00	0.00	0.00	6.39	19.37	285.98
1998	Wet	0.00	0.00	37.75	10.09	58.27	46.10	0.00	0.00	11.09	15.06	20.33	34.30	232.99
1999	Wet	53.72	45.74	0.00	0.00	0.06	0.56	0.00	0.00	0.00	21.34	24.71	0.00	146.13
2000	Above Normal	0.00	0.00	62.17	2.53	23.39	44.47	0.00	0.00	0.00	6.33	14.56	28.88	182.33
2001	Dry	0.00	0.00	71.73	40.49	29.01	28.73	0.00	0.00	0.00	0.00	0.00	8.48	178.44
2002	Dry	0.00	28.20	49.26	38.86	49.40	17.02	0.00	0.00	0.00	10.26	0.00	12.76	205.76
2003	Above Normal	0.00	0.06	0.01	25.93	32.33	26.41	0.00	0.00	0.48	8.55	16.77	29.19	139.73
Average		6.27	13.43	36.27	32.32	24.89	17.97	0.15	0.09	0.37	9.63	8.31	19.54	169.24
Wet		9.26	20.70	30.22	29.43	27.21	25.59	0.42	0.26	0.53	8.87	11.24	20.37	184.10

Energy Use (GWh) At Pumping Plant at SWP San Luis: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	0.00	0.00	58.18	45.80	0.00	14.41	0.00	0.00	14.93	20.82	22.00	33.80	209.94
1923	Below Normal	11.59	0.00	25.04	0.00	0.00	0.00	0.00	0.00	0.00	14.16	21.21	37.52	109.52
1924	Critical	8.89	2.68	11.32	34.53	21.78	0.00	0.00	0.00	0.00	26.03	0.00	0.00	105.23
1925	Dry	19.27	34.74	54.11	55.13	32.12	34.07	0.00	0.00	0.00	11.88	0.00	33.27	274.59
1926	Dry	0.90	0.41	14.08	49.61	16.96	0.00	0.00	0.00	0.00	21.16	0.00	9.66	112.78
1927	Wet	0.00	71.34	36.44	34.66	32.31	0.00	0.00	0.00	0.00	19.06	21.47	36.71	251.99
1928	Above Normal	0.00	0.00	66.38	29.05	0.00	38.53	0.00	0.00	0.00	4.72	6.31	22.51	167.50
1929	Critical	0.00	0.00	18.85	23.64	20.64	27.82	1.34	0.00	0.00	0.00	0.00	0.34	92.63
1930	Dry	0.22	0.06	33.23	34.05	29.18	34.95	0.00	0.00	0.00	36.85	3.51	59.95	232.00
1931	Critical	0.82	4.37	6.45	54.20	30.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96.15
1932	Dry	0.00	11.06	104.92	57.05	110.54	11.09	0.00	0.00	0.00	0.00	8.59	0.00	303.25
1933	Critical	1.05	0.50	35.48	117.50	9.58	0.68	0.00	0.00	0.00	0.00	0.00	0.00	164.79
1934	Critical	0.00	3.10	105.89	111.73	72.84	1.56	0.00	0.00	0.00	0.00	0.00	0.39	295.51
1935	Below Normal	0.23	13.09	37.98	62.32	71.58	39.76	0.00	0.00	0.00	10.92	17.67	34.61	288.16
1936	Below Normal	11.76	4.74	16.12	34.01	131.92	28.13	0.00	0.00	0.00	14.03	17.03	32.44	290.18
1937	Below Normal	17.14	0.00	60.52	54.25	37.33	0.72	0.00	0.00	0.00	0.00	0.00	0.00	169.96
1938	Wet	0.00	37.54	13.37	92.86	73.05	63.74	0.00	0.00	0.00	0.00	0.00	8.46	289.02
1939	Dry	0.00	0.00	35.06	13.10	2.36	0.00	0.00	0.00	0.00	2.54	0.00	0.32	53.38
1940	Above Normal	0.18	0.05	0.01	27.53	40.20	59.36	0.00	0.00	0.00	0.48	6.01	24.03	157.85
1941	Wet	0.54	0.00	25.34	40.76	78.77	71.33	0.00	0.00	0.00	10.92	12.05	17.70	257.41
1942	Wet	0.00	0.00	11.68	11.79	8.83	10.49	0.00	0.00	0.00	15.79	20.03	25.40	104.01
1943	Wet	2.68	0.00	27.96	29.51	29.87	70.45	0.00	0.00	0.00	0.00	3.26	11.73	175.46
1944	Dry	0.00	0.00	21.21	32.75	35.46	15.55	0.00	0.00	0.00	23.58	4.74	0.00	133.29
1945	Below Normal	3.67	67.52	43.68	51.75	50.37	14.24	0.00	0.00	0.00	12.02	14.97	28.42	286.64
1946	Below Normal	20.52	54.01	40.12	0.55	0.00	0.00	0.00	0.00	0.00	20.60	22.41	40.81	199.02
1947	Dry	22.96	23.68	39.44	27.62	22.06	0.00	0.00	0.00	0.00	8.63	0.00	22.03	166.42
1948	Below Normal	4.02	0.14	0.00	5.98	0.00	19.33	0.00	0.00	0.42	8.07	14.77	26.79	79.52
1949	Dry	1.56	1.10	35.25	47.29	43.85	10.74	0.00	0.00	0.00	3.40	0.00	22.31	165.50
1950	Below Normal	0.00	0.06	0.00	26.02	28.02	36.48	0.00	0.00	0.00	4.31	12.29	27.39	134.57
1951	Above Normal	34.04	68.80	97.53	26.65	0.11	0.71	0.00	0.00	0.00	5.37	13.62	33.15	279.98
1952	Wet	0.00	14.68	15.06	13.67	0.00	50.48	0.00	0.00	0.00	8.60	16.53	32.26	151.28
1953	Wet	0.00	0.00	61.91	0.00	0.00	0.00	0.00	0.00	0.00	12.10	19.55	35.04	128.60
1954	Above Normal	0.00	0.00	41.93	22.70	0.00	21.55	0.00	0.00	0.00	0.00	13.31	27.81	127.30
1955	Dry	0.61	14.26	83.29	56.35	37.50	12.17	0.00	0.00	0.00	19.66	0.00	0.00	223.84
1956	Wet	0.00	24.18	56.50	114.44	14.85	0.71	0.00	0.00	0.00	9.78	10.83	21.33	252.62
1957	Above Normal	0.00	0.00	55.91	16.79	0.00	1.04	0.00	0.00	0.00	0.50	11.02	24.09	109.35
1958	Wet	44.23	4.11	26.24	36.94	3.47	61.41	0.00	0.00	0.00	0.00	0.00	8.61	185.01
1959	Below Normal	0.00	0.00	24.91	8.46	13.93	22.96	0.00	0.00	0.00	8.48	14.03	31.48	124.25
1960	Dry	1.84	0.00	1.14	46.79	28.26	19.23	0.00	0.00	0.00	0.97	0.00	21.18	119.41
1961	Dry	0.00	10.18	62.03	44.43	17.45	39.14	0.00	0.00	0.00	9.83	0.00	0.28	183.34
1962	Below Normal	0.18	0.05	0.00	27.92	37.11	34.60	0.00	0.00	0.00	6.21	11.72	24.37	142.16
1963	Wet	48.87	64.74	25.26	0.00	0.00	1.70	0.00	0.00	0.00	21.26	26.36	44.59	232.78
1964	Dry	13.31	29.30	49.09	32.49	0.00	0.00	0.00	0.00	0.00	15.09	0.00	29.02	168.30
1965	Wet	0.00	4.40	17.12	40.39	0.00	9.50	0.00	0.00	0.00	13.88	17.67	26.65	129.61
1966	Below Normal	0.00	15.07	79.72	6.03	0.00	0.00	0.00	0.00	0.00	12.15	16.99	36.45	166.41
1967	Wet	4.66	23.40	44.58	53.50	0.00	8.26	0.00	0.00	0.00	0.00	0.00	9.79	144.19
1968	Below Normal	0.00	0.00	29.23	27.54	0.06	21.14	0.00	0.00	0.00	7.10	13.93	30.84	129.84
1969	Wet	0.62	24.27	85.54	25.56	71.00	0.65	0.00	9.99	6.63	2.48	0.00	12.24	238.98
1970	Wet	0.00	0.00	0.53	84.48	15.81	21.87	0.00	0.00	0.00	21.65	19.79	10.58	174.71
1971	Wet	0.00	39.26	15.87	0.00	0.00	2.14	0.00	0.00	0.00	14.06	21.27	38.48	131.08
1972	Below Normal	4.68	0.00	82.44	31.08	0.00	0.00	0.00	0.00	0.00	9.78	17.65	36.41	182.04
1973	Above Normal	21.70	69.01	32.88	41.44	0.12	0.56	0.00	0.00	0.00	14.62	15.64	29.92	225.89
1974	Wet	18.62	56.23	21.89	4.14	0.00	0.00	0.00	0.00	0.00	11.68	13.13	25.63	151.32
1975	Wet	11.86	0.00	61.82	2.09	1.69	18.95	0.00	0.00	0.00	13.32	15.29	25.54	150.56
1976	Critical	19.40	0.00	61.74	18.87	0.07	10.30	0.00	0.00	0.00	6.25	0.00	25.68	142.31
1977	Critical	0.00	0.00	0.00	16.59	4.01	0.00	0.00	0.22	0.52	0.50	0.45	0.30	22.59
1978	Above Normal	0.19	0.05	0.01	32.39	47.97	18.25	0.00	0.00	0.00	11.41	14.84	26.73	151.84
1979	Below Normal	0.00	0.00	49.19	43.93	59.39	8.35	0.00	0.00	0.00	21.26	24.52	37.75	244.39
1980	Above Normal	19.23	14.68	75.79	28.23	0.13	0.65	0.00	0.00	0.00	11.18	8.97	9.51	168.37
1981	Dry	0.00	0.00	53.98	19.86	0.00	0.00	0.00	0.00	0.00	4.54	0.00	14.45	92.83
1982	Wet	1.10	49.27	25.31	23.15	72.98	72.96	8.13	0.00	0.00	0.00	0.00	15.10	268.00
1983	Wet	35.35	39.44	69.80	0.00	0.12	0.67	1.24	2.54	2.78	3.45	0.00	11.82	167.21
1984	Wet	1.42	0.35	0.04	0.00	0.10	0.84	0.00	0.00	0.00	12.13	20.50	6.76	42.14
1985	Dry	14.86	59.26	60.24	0.00	0.11	0.00	0.00	0.00	0.00	17.82	0.00	30.02	182.31
1986	Wet	16.50	35.67	21.97	5.52	70.27	22.22	0.00	0.00	0.00	0.00	0.00	12.09	184.24
1987	Dry	0.00	0.00	24.21	29.62	27.09	20.33	0.00	0.00	0.00	0.00	0.00	5.77	107.02
1988	Critical	0.00	2.82	38.48	34.98	2.37	14.10	0.00	0.00	0.00	23.56	0.00	0.00	116.31
1989	Dry	0.00	39.39	39.14	52.12	5.85	3.42	0.00	0.00	0.00	1.39	0.00	25.26	166.57
1990	Critical	7.20	0.00	19.95	28.52	12.99	0.00	0.00	0.00	0.00	36.72	0.00	0.00	105.38
1991	Critical	0.00	0.89	4.15	4.72	11.23	7.35	0.00	0.00	0.00	35.90	0.00	0.00	64.24
1992	Critical	3.27	0.00	16.03	13.99	18.80	26.40	0.00	0.00	0.00	0.00	0.00	4.15	82.64
1993	Above Normal	0.00	0.05	30.82	44.71	10.53	4.80	0.00	0.00	0.00	9.37	14.16	25.33	139.77
1994	Critical	3.83	0.00	57.80	33.08	28.71	4.18	0.00	0.00	0.00	1.55	0.00	0.32	129.47
1995	Wet	0.18	0.03	0.00	31.06	12.45	86.51	0.00	0.00	0.00	0.00	4.38	12.20	146.81
1996	Wet	0.00	0.07	0.01	11.72	85.24	50.39	0.00	0.00	0.00	15.95	17.97	27.86	209.21
1997	Wet	0.00	0.00	72.20	80.76	71.03	35.83	0.00	0.00	0.00	0.00	6.38	19.36	285.56
1998	Wet	0.00	0.00	37.73	10.10	58.08	46.25	0.00	0.00	11.50	16.02	20.67	34.50	234.85
1999	Wet	53.85	46.37	0.00	0.00	0.06	0.56	0.00	0.00	0.00	21.35	24.72	0.00	146.91
2000	Above Normal	0.00	0.00	62.17	2.53	21.39	44.29	0.00	0.00	0.00	6.04	14.40	28.74	179.56
2001	Dry	0.00	0.00	70.61	41.02	29.49	28.85	0.00	0.00	0.00	0.00	0.00	8.42	178.39
2002	Dry	0.00	28.10	49.19	38.81	49.35	17.01	0.00	0.00	0.00	10.33	0.00	13.45	206.24
2003	Above Normal	0.00	0.06	0.01	25.93	32.33	26.41	0.00	0.00	0.48	8.55	16.77	29.19	139.73
Average		6.21	13.52	36.48	32.21	24.43	18.33	0.13	0.16	0.45	9.80	8.60	19.48	169.81
Wet		9.25	20.59	29.78	28.73	26.92	27.23	0.36	0.48	0.80	9.36	11.99	20.40	185.91

Difference in Energy Use (GWh) At Pumping Plant at SWP San Luis: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	(0.05)	0.00	0.00	(0.04)	(0.55)	(0.23)	(0.04)	(0.08)
1923	Below Normal	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	(0.13)	(0.08)	(0.11)	(0.03)
1924	Critical	0.03	0.04	0.09	0.17	0.16	0.00	0.00	0.00	0.00	(0.01)	0.00	0.00	0.04
1925	Dry	(0.04)	(0.03)	(0.01)	0.00	0.01	0.40	0.00	0.00	0.00	(0.06)	0.00	(0.06)	0.02
1926	Dry	0.00	0.00	(0.04)	(0.02)	0.01	0.00	0.00	0.00	0.00	0.04	0.00	(0.18)	(0.02)
1927	Wet	0.00	0.02	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.01
1928	Above Normal	0.00	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	0.00
1929	Critical	0.00	0.00	(0.02)	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
1930	Dry	0.00	0.00	(0.02)	0.00	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.01	0.00
1931	Critical	0.00	(0.01)	(0.01)	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1932	Dry	0.00	(0.01)	0.00	0.00	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01
1933	Critical	(0.01)	0.00	(1.69)	(0.18)	1.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1934	Critical	0.00	(0.04)	44.20	5.08	1.22	(8.39)	0.00	0.00	0.00	0.00	0.00	0.00	3.51
1935	Below Normal	0.00	(2.50)	(3.21)	(3.72)	(0.66)	(0.17)	0.00	0.00	0.00	(1.62)	(0.61)	0.19	(1.03)
1936	Below Normal	(1.90)	1.39	(3.67)	10.76	2.71	(0.84)	0.00	0.00	0.00	0.02	0.01	0.01	0.71
1937	Below Normal	(0.01)	0.00	0.06	0.20	(0.30)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1938	Wet	0.00	(0.78)	(12.67)	(6.44)	(1.36)	27.47	0.00	0.00	0.00	0.00	0.00	(1.75)	0.37
1939	Dry	0.00	0.00	(9.09)	(4.33)	1.87	0.00	0.00	0.00	0.00	2.05	(0.43)	0.00	(0.83)
1940	Above Normal	0.00	0.00	0.00	0.51	0.15	0.39	0.00	0.00	0.00	0.01	(0.01)	0.00	0.09
1941	Wet	0.00	0.00	0.31	0.13	(2.07)	0.11	0.00	0.00	0.00	(0.52)	(0.33)	(0.39)	(0.23)
1942	Wet	0.00	0.00	0.19	(0.03)	(1.32)	0.31	0.00	0.00	0.00	(0.06)	(0.02)	(0.01)	(0.08)
1943	Wet	0.00	0.00	0.04	(5.86)	0.77	(0.21)	0.00	0.00	0.00	0.00	0.34	(0.18)	(0.42)
1944	Dry	0.00	0.00	(2.55)	1.43	1.38	0.46	0.00	0.00	0.00	(0.05)	0.57	0.00	0.10
1945	Below Normal	(0.02)	(0.31)	(0.05)	(0.08)	(5.55)	6.46	0.00	0.00	0.00	(0.18)	(0.13)	(0.11)	0.00
1946	Below Normal	0.00	(0.07)	(0.10)	0.02	0.00	0.00	0.00	0.00	0.00	(0.56)	(0.32)	(0.18)	(0.10)
1947	Dry	(0.58)	0.39	0.78	0.95	(1.32)	0.00	0.00	0.00	0.00	(0.20)	0.00	(0.13)	(0.01)
1948	Below Normal	(1.11)	(0.13)	0.00	0.97	0.00	0.31	0.00	0.00	0.00	(0.05)	(0.03)	(0.08)	(0.01)
1949	Dry	0.00	(0.28)	(0.30)	(0.03)	(0.01)	0.04	0.00	0.00	0.00	(0.14)	0.00	(0.01)	(0.06)
1950	Below Normal	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1951	Above Normal	(0.01)	0.00	(12.94)	13.81	0.00	0.00	0.00	0.00	0.00	(0.06)	(0.05)	0.45	0.10
1952	Wet	0.00	(0.05)	(0.04)	(1.27)	0.00	(0.60)	0.00	0.00	0.00	8.60	15.70	13.22	2.96
1953	Wet	0.00	0.00	14.74	0.00	(5.59)	(20.83)	0.00	0.00	0.00	1.04	1.07	3.08	(0.54)
1954	Above Normal	0.00	0.00	5.00	(1.93)	(2.24)	(3.10)	0.00	0.00	0.00	(0.52)	0.46	0.71	(0.14)
1955	Dry	0.02	0.76	0.97	0.59	(0.41)	(0.72)	0.00	0.00	0.00	(2.04)	0.00	0.00	(0.07)
1956	Wet	0.00	(1.55)	(14.92)	8.74	14.76	0.00	0.00	0.00	0.00	(0.18)	(0.19)	(0.24)	0.53
1957	Above Normal	0.00	0.00	(0.23)	(0.06)	0.00	0.96	0.00	0.00	0.00	0.00	(0.05)	(0.07)	0.05
1958	Wet	(0.12)	(0.09)	(0.07)	(0.01)	0.04	0.02	0.00	0.00	0.00	0.00	0.00	(0.47)	(0.06)
1959	Below Normal	0.00	0.00	0.08	(0.02)	0.04	0.03	0.00	0.00	0.00	0.01	0.00	0.00	0.01
1960	Dry	0.00	0.00	0.00	(0.03)	(0.02)	0.06	0.00	0.00	0.00	0.00	0.00	0.03	0.00
1961	Dry	0.00	0.02	(0.01)	(0.02)	(0.02)	(0.01)	0.00	0.00	0.00	(0.12)	0.00	0.00	(0.01)
1962	Below Normal	0.00	0.00	0.00	0.01	0.00	(0.01)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1963	Wet	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(0.03)	(0.01)	0.00	0.00
1964	Dry	0.01	0.00	0.02	(0.07)	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.00
1965	Wet	0.00	0.00	(0.01)	(0.17)	0.00	(0.12)	0.00	0.00	0.00	(0.18)	(0.06)	0.06	(0.04)
1966	Below Normal	0.00	(0.01)	(0.01)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
1967	Wet	0.01	(0.01)	0.00	(0.01)	0.00	(0.04)	0.00	0.00	0.00	0.00	0.00	(1.29)	(0.11)
1968	Below Normal	0.00	0.00	(3.02)	2.10	0.06	0.69	0.00	0.00	0.00	(0.18)	(0.18)	(0.18)	(0.06)
1969	Wet	0.00	(0.29)	(0.26)	(7.99)	9.52	0.00	(1.54)	7.21	6.63	2.48	0.00	(0.42)	1.28
1970	Wet	0.00	0.00	(1.69)	(0.87)	0.14	19.27	0.00	0.00	0.00	0.28	0.36	2.79	1.69
1971	Wet	0.00	0.42	0.43	0.00	0.00	(0.78)	0.00	0.00	0.00	0.32	0.25	0.38	0.08
1972	Below Normal	0.00	0.00	(0.20)	(0.87)	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	(0.09)
1973	Above Normal	(0.03)	(0.07)	(0.12)	0.00	0.00	0.00	0.00	0.00	0.00	(0.06)	(1.32)	(0.06)	(0.14)
1974	Wet	0.00	0.00	0.00	(2.17)	0.00	0.00	0.00	0.00	0.00	(0.06)	0.09	0.16	(0.17)
1975	Wet	0.19	0.00	0.20	(0.39)	(0.13)	(0.18)	0.00	0.00	0.00	0.08	0.07	0.07	(0.01)
1976	Critical	0.08	0.00	0.11	0.03	0.00	(0.06)	0.00	0.00	0.00	0.00	0.00	(0.13)	0.00
1977	Critical	0.00	0.00	0.00	(0.03)	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00
1978	Above Normal	0.00	0.00	0.00	(0.10)	(9.12)	(4.81)	0.00	0.00	0.00	(6.60)	(5.97)	(10.05)	(3.05)
1979	Below Normal	0.00	0.00	(15.92)	3.68	1.95	3.47	0.00	0.00	0.00	3.84	4.01	3.45	0.37
1980	Above Normal	(0.30)	11.61	6.76	(13.52)	0.00	0.00	0.00	0.00	0.00	11.18	8.97	(1.27)	1.95
1981	Dry	0.00	0.00	25.10	(6.71)	(20.43)	(8.02)	0.00	0.00	0.00	(1.02)	0.00	1.28	(0.82)
1982	Wet	0.71	0.73	(0.36)	(1.73)	(1.69)	(0.39)	0.00	0.00	0.00	0.00	0.00	(0.31)	(0.25)
1983	Wet	(1.18)	(1.86)	2.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	(6.52)	(0.60)
1984	Wet	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1985	Dry	(0.01)	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	(0.01)	0.00	0.00	(20.55)	21.41	0.00	0.00	0.00	0.00	0.00	(0.84)	0.00
1987	Dry	0.00	0.00	(0.40)	(0.09)	(0.10)	(0.09)	0.00	0.00	0.00	0.00	0.00	(0.02)	(0.06)
1988	Critical	0.00	0.01	0.24	0.05	(0.01)	0.03	0.00	0.00	0.00	(0.99)	0.00	0.00	(0.06)
1989	Dry	0.00	(0.41)	(0.11)	(0.05)	0.02	0.08	0.00	0.00	0.00	(0.21)	0.00	(0.41)	(0.09)
1990	Critical	(0.22)	0.00	(0.29)	0.40	0.27	0.00	0.00	0.00	0.00	(0.40)	0.00	0.00	(0.02)
1991	Critical	0.00	(0.02)	(0.17)	(0.30)	(0.20)	(0.04)	0.00	0.00	0.00	(0.27)	0.00	0.00	(0.08)
1992	Critical	(0.08)	0.00	(0.18)	(0.38)	(0.05)	(0.08)	0.00	0.00	0.00	0.00	0.00	0.22	(0.05)
1993	Above Normal	0.00	0.00	0.48	0.32	(0.03)	(0.22)	0.00	0.00	0.00	0.17	0.13	0.08	0.08
1994	Critical	0.00	0.00	0.58	(0.20)	(0.17)	(0.01)	0.00	0.00	0.00	0.03	0.00	0.00	0.02
1995	Wet	0.00	0.00	0.00	(0.03)	(0.03)	(0.97)	0.00	(1.52)	0.00	0.00	2.00	(6.84)	(0.62)
1996	Wet	0.00	0.07	0.00	0.04	0.27	(1.74)	0.00	0.00	0.00	0.04	0.13	0.17	(0.09)
1997	Wet	0.00	0.00	0.11	(0.11)	(0.03)	(0.37)	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.04)
1998	Wet	0.00	0.00	(0.02)	0.01	(0.19)	0.15	0.00	0.00	0.41	0.96	0.34	0.20	0.16
1999	Wet	0.13	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.06
2000	Above Normal	0.00	0.00	0.00	0.00	(2.00)	(0.18)	0.00	0.00	0.00	(0.29)	(0.16)	(0.14)	(0.23)
2001	Dry	0.00	0.00	(1.12)	0.53	0.48	0.12	0.00	0.00	0.00	0.00	0.00	(0.06)	0.00
2002	Dry	0.00	(0.10)	(0.07)	(0.05)	(0.05)	(0.01)	0.00	0.00	0.00	0.07	0.00	0.69	0.04
2003	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average		(0.05)	0.09	0.21	(0.11)	(0.46)	0.36	(0.02)	0.07	0.09	0.17	0.30	(0.06)	0.05
Wet		(0.01)	(0.11)	(0.45)	(0.70)	(0.29)	1.64	(0.06)	0.22	0.27	0.49	0.76	0.03	0.15
Above Normal		(0.03)	0.96	(0.09)	(0.08)	(1.10)	(0.58)	0.00	0.00	(0.00)	0.27	0.15	(0.87)	(0.11)
Below Normal		(0.22)	(0.12)	(1.86)	0.93	(0.13)	0.71	0.00	0.00	0.00	0.08	0.19	0.22	(0.02)
Dry		(0.03)	0.02	0.73	(0.44)	(1.03)	(0.42)	0.00	0.00	0.00	(0.09)	0.01	0.06	(0.10)
Critical		(0.02)	(0.00)	3.57	0.39	0.26	(0.71)	0.00	0.00	0.00	(0.14)	0.00	0.01	0.28

Percent Difference in Energy Use (GWh) At Pumping Plant at SWP San Luis: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	-3%	-1%	0%
1923	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1924	Critical	0%	2%	1%	0%	1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	1%	0%	0%	0%	-1%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1933	Critical	-1%	0%	-5%	0%	24%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	-1%	72%	5%	2%	-84%	0%	0%	0%	0%	0%	0%
1935	Below Normal	0%	-16%	-8%	-6%	-1%	0%	0%	0%	0%	-13%	-3%	1%
1936	Below Normal	-14%	41%	-19%	46%	2%	-3%	0%	0%	0%	0%	0%	0%
1937	Below Normal	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1938	Wet	0%	-2%	-49%	-6%	-2%	76%	0%	0%	0%	0%	0%	-17%
1939	Dry	0%	0%	-21%	-25%	382%	0%	0%	0%	0%	418%	-100%	0%
1940	Above Normal	0%	0%	0%	2%	0%	1%	0%	0%	0%	2%	0%	0%
1941	Wet	0%	0%	1%	0%	-3%	0%	0%	0%	0%	-5%	-3%	-2%
1942	Wet	0%	0%	2%	0%	-13%	3%	0%	0%	0%	0%	0%	0%
1943	Wet	0%	0%	0%	-17%	3%	0%	0%	0%	0%	0%	12%	-2%
1944	Dry	0%	0%	-11%	5%	4%	3%	0%	0%	0%	0%	14%	0%
1945	Below Normal	-1%	0%	0%	0%	-10%	83%	0%	0%	0%	-1%	-1%	0%
1946	Below Normal	0%	0%	0%	4%	0%	0%	0%	0%	0%	-3%	-1%	0%
1947	Dry	-2%	2%	2%	4%	-6%	0%	0%	0%	0%	-2%	0%	-1%
1948	Below Normal	-22%	-48%	0%	19%	0%	2%	0%	0%	0%	-1%	0%	0%
1949	Dry	0%	-20%	-1%	0%	0%	0%	0%	0%	0%	-4%	0%	0%
1950	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	-12%	108%	0%	0%	0%	0%	0%	-1%	0%	1%
1952	Wet	0%	0%	0%	-9%	0%	-1%	0%	0%	0%	-	>1,000%	69%
1953	Wet	0%	0%	31%	0%	-100%	-100%	0%	0%	0%	9%	6%	10%
1954	Above Normal	0%	0%	14%	-8%	-100%	-13%	0%	0%	0%	-100%	4%	3%
1955	Dry	3%	6%	1%	1%	-1%	-6%	0%	0%	0%	-9%	0%	0%
1956	Wet	0%	-6%	-21%	8%	>1,000%	0%	0%	0%	0%	-2%	-2%	-1%
1957	Above Normal	0%	0%	0%	0%	0%	>1,000%	0%	0%	0%	0%	0%	0%
1958	Wet	0%	-2%	0%	0%	1%	0%	0%	0%	0%	0%	0%	-5%
1959	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	-1%	0%	0%
1966	Below Normal	0%	0%	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-12%
1968	Below Normal	0%	0%	-9%	8%	-	3%	0%	0%	0%	-2%	-1%	-1%
1969	Wet	0%	-1%	0%	-24%	15%	0%	-100%	259%	-	-	0%	-3%
1970	Wet	0%	0%	-76%	-1%	1%	741%	0%	0%	0%	1%	2%	36%
1971	Wet	0%	1%	3%	0%	0%	-27%	0%	0%	0%	2%	1%	1%
1972	Below Normal	0%	0%	0%	-3%	0%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-8%	0%
1974	Wet	0%	0%	0%	-34%	0%	0%	0%	0%	0%	-1%	1%	1%
1975	Wet	2%	0%	0%	-16%	-7%	-1%	0%	0%	0%	1%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	-1%
1977	Critical	0%	0%	0%	0%	0%	0%	0%	16%	0%	0%	0%	0%
1978	Above Normal	0%	0%	0%	0%	-16%	-21%	0%	0%	0%	-37%	-29%	-27%
1979	Below Normal	0%	0%	-24%	9%	3%	71%	0%	0%	0%	22%	20%	10%
1980	Above Normal	-2%	378%	10%	-32%	0%	0%	0%	0%	0%	-	-	-12%
1981	Dry	0%	0%	87%	-25%	-100%	-100%	0%	0%	0%	-18%	0%	10%
1982	Wet	182%	2%	-1%	-7%	-2%	-1%	0%	0%	0%	0%	0%	-2%
1983	Wet	-3%	-5%	4%	0%	0%	0%	0%	0%	0%	0%	0%	-36%
1984	Wet	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-23%	>1,000%	0%	0%	0%	0%	0%	-6%
1987	Dry	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	1%	0%	0%	0%	0%	0%	0%	-4%	0%	0%
1989	Dry	0%	-1%	0%	0%	0%	2%	0%	0%	0%	-13%	0%	-2%
1990	Critical	-3%	0%	-1%	1%	2%	0%	0%	0%	0%	-1%	0%	0%
1991	Critical	0%	-2%	-4%	-6%	-2%	-1%	0%	0%	0%	-1%	0%	0%
1992	Critical	-2%	0%	-1%	-3%	0%	0%	0%	0%	0%	0%	0%	6%
1993	Above Normal	0%	0%	2%	1%	0%	-4%	0%	0%	0%	2%	1%	0%
1994	Critical	0%	0%	1%	-1%	-1%	0%	0%	0%	0%	2%	0%	0%
1995	Wet	0%	0%	0%	0%	0%	-1%	0%	-100%	0%	0%	84%	-36%
1996	Wet	0%	-	0%	0%	0%	-3%	0%	0%	0%	0%	1%	1%
1997	Wet	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1998	Wet	0%	0%	0%	0%	0%	0%	0%	0%	4%	6%	2%	1%
1999	Wet	0%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
2000	Above Normal	0%	0%	0%	0%	-9%	0%	0%	0%	0%	-5%	-1%	0%
2001	Dry	0%	0%	-2%	1%	2%	0%	0%	0%	0%	0%	0%	-1%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	5%
2003	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		2%	4%	0%	0%	1%	8%	-1%	2%	0%	3%	0%	0%
Wet		7%	0%	-4%	-4%	-5%	26%	-4%	6%	0%	0%	4%	0%
Above Normal		0%	32%	1%	6%	-10%	-3%	0%	0%	0%	-12%	-3%	-3%
Below Normal		-3%	-2%	-4%	6%	0%	11%	0%	0%	0%	0%	1%	1%
Dry		0%	-1%	3%	-2%	16%	-5%	0%	0%	0%	21%	-5%	1%
Critical		0%	0%	5%	0%	2%	-7%	0%	1%	0%	0%	0%	0%

Energy Use (GWh) At Pumping Plant at System Total: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1,094.41	947.92	902.50	287.47	631.37	766.09	675.50	691.90	791.16	829.53	829.57	793.90	9,241.32
1923	Below Normal	643.23	573.98	604.79	898.56	892.07	716.01	578.36	660.09	693.54	831.85	849.84	779.49	8,721.81
1924	Critical	556.80	483.15	427.54	246.81	233.76	220.86	324.48	392.35	397.76	502.67	359.70	315.26	4,461.14
1925	Dry	221.18	210.07	229.82	152.66	168.06	493.53	592.60	758.09	785.55	941.44	890.34	870.32	6,313.66
1926	Dry	601.50	540.44	466.69	182.19	166.66	281.15	447.47	627.94	669.18	807.94	741.77	671.50	6,204.43
1927	Wet	472.39	588.20	423.44	170.77	474.07	813.41	720.34	735.28	758.53	870.22	870.78	842.30	7,739.73
1928	Above Normal	674.43	625.31	760.54	530.79	563.47	500.90	819.75	830.82	844.43	941.07	951.34	920.66	8,963.51
1929	Critical	771.61	695.58	759.19	525.54	488.11	341.40	328.71	426.44	436.59	434.65	403.51	70.62	5,681.95
1930	Dry	222.37	270.56	311.04	146.44	186.99	285.81	500.70	582.64	616.25	749.77	641.69	669.99	5,184.25
1931	Critical	345.45	293.10	237.89	182.70	182.07	228.35	394.38	470.48	483.22	523.85	437.77	379.88	4,159.14
1932	Dry	219.79	193.88	366.51	190.05	371.80	588.99	435.53	577.90	605.83	675.67	715.12	587.33	5,528.40
1933	Critical	429.22	378.25	374.98	296.10	735.57	267.46	392.97	570.25	578.03	641.64	592.67	504.73	5,761.87
1934	Critical	342.91	301.11	360.28	286.37	249.00	257.53	449.07	547.23	557.81	556.45	311.16	37.42	4,256.34
1935	Below Normal	522.01	458.11	412.21	211.22	305.20	383.26	753.63	793.08	819.49	943.53	955.13	900.86	7,457.73
1936	Below Normal	733.38	653.43	649.12	390.96	641.23	1,152.66	718.66	812.42	832.66	943.01	944.72	913.35	9,385.60
1937	Below Normal	796.02	688.90	815.78	600.38	1,036.29	950.69	894.13	979.79	1,027.62	1,095.64	1,095.31	987.32	10,967.87
1938	Wet	916.84	947.98	912.92	769.56	1,056.64	1,169.09	1,010.90	1,103.36	1,095.29	1,129.86	1,128.13	1,076.65	12,317.22
1939	Dry	939.08	832.80	981.25	655.38	662.68	525.41	663.11	764.55	201.80	1,101.44	422.39	888.99	8,547.88
1940	Above Normal	189.25	150.73	821.48	145.11	197.05	500.18	653.87	759.47	624.66	927.95	1,007.45	906.85	6,884.05
1941	Wet	643.31	562.06	529.20	382.29	834.15	933.91	805.78	817.39	848.18	939.30	937.80	885.17	9,118.54
1942	Wet	737.62	647.55	718.85	937.46	935.01	959.29	620.59	668.77	717.69	820.61	830.74	753.67	9,347.85
1943	Wet	568.36	472.15	510.77	759.16	899.26	932.88	883.87	889.90	909.89	1,011.72	1,012.97	965.88	9,814.81
1944	Dry	820.13	37.05	1,119.46	418.18	405.31	351.49	503.73	584.23	618.03	750.12	672.76	556.37	6,836.86
1945	Below Normal	383.75	475.75	343.63	234.03	270.31	1,125.42	711.90	788.85	797.46	918.38	919.46	887.79	7,866.73
1946	Below Normal	784.31	793.14	753.68	924.14	891.70	1,019.88	615.67	641.44	642.92	784.78	786.01	757.01	9,394.68
1947	Dry	617.51	569.15	581.39	472.85	515.05	376.71	813.36	827.10	825.45	949.50	892.49	916.69	8,357.25
1948	Below Normal	783.57	719.17	691.65	451.00	391.07	319.97	398.31	310.49	127.10	1,006.71	1,030.61	925.23	7,154.88
1949	Dry	658.16	591.64	554.10	220.28	241.43	296.48	702.23	788.95	817.96	960.68	564.99	993.18	7,390.08
1950	Below Normal	671.99	334.18	437.76	160.29	175.89	315.13	597.99	681.13	84.55	988.17	1,008.93	905.37	6,361.38
1951	Above Normal	710.57	710.89	674.28	1,040.89	974.17	1,112.56	613.50	718.60	741.03	824.82	846.31	820.35	9,787.97
1952	Wet	658.36	648.30	634.00	940.46	937.62	1,166.53	817.01	943.52	991.85	1,042.36	1,041.13	1,006.71	10,827.85
1953	Wet	850.29	756.00	907.04	919.67	775.72	577.74	552.15	644.13	292.85	896.92	915.26	824.81	8,912.58
1954	Above Normal	549.18	468.92	479.81	174.55	455.92	457.18	623.15	722.05	723.27	860.28	940.81	845.64	7,300.76
1955	Dry	586.67	554.27	595.63	221.99	252.90	369.57	568.15	647.47	649.02	833.60	772.43	667.39	6,719.09
1956	Wet	495.33	509.03	511.52	841.21	1,009.36	1,122.09	726.04	814.98	860.62	938.20	936.61	894.43	9,659.42
1957	Above Normal	742.99	647.79	813.53	627.68	565.86	619.83	645.63	750.46	531.71	955.60	1,010.14	906.19	8,817.41
1958	Wet	747.53	581.57	519.29	168.30	759.05	928.83	1,014.33	1,030.31	1,070.26	1,132.60	1,132.28	1,083.87	10,168.22
1959	Below Normal	948.64	293.30	1,096.45	425.96	461.01	483.41	564.36	634.45	83.32	927.60	943.04	850.72	7,712.26
1960	Dry	587.24	517.60	422.49	176.49	152.03	307.32	707.90	809.94	627.63	1,011.59	796.70	997.43	7,114.36
1961	Dry	711.43	707.47	719.99	250.58	222.53	312.83	577.85	657.88	647.98	829.79	615.85	411.63	6,665.81
1962	Below Normal	17.79	584.31	672.84	148.53	180.84	421.92	614.60	703.71	95.84	1,015.45	1,037.81	929.52	6,423.16
1963	Wet	774.53	729.00	532.03	564.58	653.57	686.13	609.27	651.73	667.55	802.53	809.60	772.34	8,252.86
1964	Dry	593.69	586.28	586.10	491.45	913.67	680.43	668.51	696.42	682.26	841.97	766.71	799.91	8,307.40
1965	Wet	608.84	575.21	577.83	726.59	894.50	844.08	644.49	669.64	457.64	861.09	867.55	810.21	8,538.67
1966	Below Normal	611.12	605.89	698.89	828.81	849.21	654.40	587.24	662.94	685.26	829.48	846.05	779.39	8,638.68
1967	Wet	554.55	532.99	484.86	302.30	880.87	898.51	994.51	1,017.17	1,086.95	1,124.20	1,123.13	1,077.56	10,077.60
1968	Below Normal	941.97	832.22	962.57	497.93	542.17	511.43	573.47	650.28	88.52	941.08	959.11	865.71	8,366.46
1969	Wet	598.54	586.99	608.60	590.16	1,026.30	1,056.00	959.33	1,035.30	1,050.09	1,081.14	1,058.68	1,035.71	10,713.84
1970	Wet	908.23	798.56	843.83	1,117.50	945.13	1,112.13	678.25	706.73	714.46	844.63	839.78	749.83	10,259.06
1971	Wet	639.94	688.65	624.47	898.61	897.27	800.74	589.90	668.23	705.51	835.11	852.07	784.05	8,984.55
1972	Below Normal	557.57	455.37	595.80	393.76	689.17	642.76	618.95	691.15	717.35	864.37	885.91	808.67	7,920.83
1973	Above Normal	602.10	643.83	479.69	241.60	825.70	828.15	654.50	756.53	781.50	886.58	886.87	849.24	8,436.29
1974	Wet	736.03	762.74	683.64	938.59	906.81	1,073.48	942.96	765.94	804.59	895.57	894.46	861.91	10,266.72
1975	Wet	734.74	617.15	781.31	783.44	663.48	976.11	736.44	746.66	788.07	874.85	875.32	842.76	9,420.33
1976	Critical	732.57	598.18	764.49	528.63	514.38	481.22	640.07	735.61	616.29	925.69	650.56	931.21	8,118.90
1977	Critical	642.44	570.33	380.98	119.75	105.22	149.82	243.19	60.16	1.67	49.88	45.18	67.61	2,436.23
1978	Above Normal	17.58	317.18	557.33	152.25	306.49	778.82	710.25	750.53	802.26	897.89	903.55	859.12	7,053.25
1979	Below Normal	673.15	603.97	725.25	503.50	539.20	946.08	761.19	783.91	797.42	908.39	910.12	880.10	9,032.28
1980	Above Normal	766.20	672.60	798.47	774.18	952.19	1,058.45	901.20	996.54	1,045.18	1,116.69	1,117.75	1,072.37	11,271.82
1981	Dry	933.13	688.30	1,028.93	490.98	481.23	426.96	591.57	688.45	95.96	988.37	972.84	868.04	8,254.76
1982	Wet	632.14	691.32	516.81	540.40	834.25	945.55	1,063.44	1,017.75	1,045.58	1,108.39	1,106.61	1,065.71	10,567.95
1983	Wet	1,014.22	955.17	1,002.71	945.72	900.41	1,035.57	927.02	979.45	993.10	1,034.77	1,066.21	1,022.87	11,877.22
1984	Wet	1,044.98	950.12	1,089.45	1,023.08	1,004.36	1,112.34	605.67	715.81	739.28	839.95	850.71	757.54	10,733.29
1985	Dry	685.89	729.80	874.68	780.48	683.85	702.90	684.44	709.49	712.43	841.08	770.01	807.35	8,982.40
1986	Wet	682.51	673.60	637.08	492.65	797.84	1,071.82	939.26	1,023.55	1,047.05	1,133.11	1,130.36	1,085.83	10,714.66
1987	Dry	946.44	273.59	1,095.45	417.96	394.20	280.18	318.79	389.94	393.82	382.00	340.50	328.55	5,561.42
1988	Critical	154.05	133.35	198.17	112.83	138.46	187.64	261.87	303.44	293.91	390.23	267.76	247.17	2,688.88
1989	Dry	119.79	186.16	166.96	152.67	154.67	215.96	760.55	806.73	827.84	941.04	860.22	911.46	6,104.05
1990	Critical	737.02	646.32	667.28	387.08	348.04	270.32	351.70	423.22	423.06	571.09	384.20	359.20	5,568.53
1991	Critical	179.30	147.76	136.33	58.44	122.43	173.28	268.68	299.28	323.72	413.56	266.59	237.14	2,626.51
1992	Critical	135.79	93.53	124.38	64.25	118.62	209.99	333.02	388.47	417.84	391.76	341.76	345.52	2,964.93
1993	Above Normal	114.80	96.27	255.77	170.10	692.50	726.47	639.53	694.97	321.85	929.33	943.87	872.83	6,458.29
1994	Critical	671.52	560.20	661.02	365.41	382.8								

Energy Use (GWh) At Pumping Plant at System Total: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	1,094.41	947.92	902.50	287.47	631.39	766.02	675.47	691.90	887.39	954.99	875.42	793.87	9,508.75
1923	Below Normal	643.20	573.90	604.73	897.63	891.52	711.67	578.21	660.45	870.74	848.80	850.60	779.81	8,911.26
1924	Critical	556.57	482.96	426.85	244.61	231.90	220.31	324.57	392.32	397.91	502.83	359.83	315.31	4,455.97
1925	Dry	221.14	210.04	229.83	152.68	167.98	491.82	592.96	758.52	785.95	941.86	890.91	870.69	6,314.38
1926	Dry	601.89	540.80	466.91	182.17	166.50	280.98	447.00	627.57	668.87	807.57	741.52	670.61	6,202.39
1927	Wet	472.07	587.93	423.22	170.78	473.83	813.42	720.35	735.29	874.34	946.51	870.79	842.29	7,930.82
1928	Above Normal	674.43	625.31	760.54	530.76	563.06	500.90	819.78	830.85	844.46	941.08	951.37	920.68	8,963.22
1929	Critical	771.63	695.60	759.18	525.54	488.10	341.35	328.62	426.31	436.45	434.51	403.39	71.11	5,681.79
1930	Dry	222.23	270.48	311.31	146.44	186.97	285.82	500.68	582.63	616.27	749.76	641.65	669.97	5,184.21
1931	Critical	345.41	293.02	237.82	182.71	182.02	228.35	394.27	470.34	483.07	523.55	437.63	379.74	4,157.93
1932	Dry	219.68	193.78	366.47	189.99	371.96	600.82	435.51	577.90	741.19	732.37	715.09	587.29	5,732.05
1933	Critical	429.15	378.17	371.68	295.92	726.24	267.46	392.98	570.26	578.05	641.38	592.63	504.66	5,748.58
1934	Critical	342.86	301.02	448.32	291.45	269.27	336.74	409.61	556.99	571.28	583.93	514.37	36.54	4,662.38
1935	Below Normal	505.93	486.48	443.18	205.01	303.83	380.92	742.65	793.54	823.67	949.87	964.85	903.00	7,502.93
1936	Below Normal	718.45	643.68	617.69	372.42	609.64	1,149.34	718.56	812.29	933.59	1,033.92	944.60	913.23	9,467.41
1937	Below Normal	795.88	688.79	815.81	600.74	1,036.30	950.64	889.19	977.95	1,047.75	1,113.41	1,109.69	1,000.80	11,026.95
1938	Wet	955.45	986.89	908.90	841.31	1,054.91	1,183.91	1,027.23	1,056.24	1,087.48	1,142.77	1,138.55	1,084.20	12,467.84
1939	Dry	978.71	873.20	993.33	806.57	645.17	457.51	579.67	648.66	245.17	938.00	469.94	760.05	8,995.98
1940	Above Normal	222.51	155.70	829.55	145.18	197.58	500.64	654.00	759.64	761.24	983.51	1,007.67	907.06	7,124.28
1941	Wet	643.52	562.52	529.64	382.12	829.82	931.52	803.40	814.84	941.88	1,043.91	999.15	882.27	9,364.59
1942	Wet	735.89	644.79	716.76	937.20	932.36	955.85	620.48	668.87	814.11	978.33	846.50	753.77	9,604.91
1943	Wet	566.24	471.92	510.46	745.84	893.66	926.90	879.77	885.57	964.00	1,073.50	1,073.06	1,021.49	10,012.41
1944	Dry	824.49	29.56	1,125.56	395.11	384.82	344.85	503.65	584.12	615.78	749.96	674.49	556.23	6,788.62
1945	Below Normal	383.63	475.38	343.54	234.01	260.29	1,055.13	712.78	789.96	910.51	1,033.62	962.47	888.76	8,050.08
1946	Below Normal	785.28	794.10	754.61	924.00	891.68	1,015.97	612.84	641.82	834.78	791.98	788.73	757.60	9,593.39
1947	Dry	613.43	566.69	576.28	461.90	516.95	363.98	814.88	829.34	827.68	951.59	894.24	918.75	8,335.71
1948	Below Normal	782.98	721.06	693.69	435.43	376.87	314.93	398.47	316.19	126.58	1,007.10	1,030.58	926.56	7,130.44
1949	Dry	658.96	591.66	551.45	219.83	240.99	296.03	700.15	788.61	818.21	961.40	559.56	995.34	7,382.19
1950	Below Normal	672.85	336.40	469.65	160.29	175.89	315.14	597.99	681.13	84.55	988.17	1,008.93	905.38	6,396.37
1951	Above Normal	710.57	710.90	649.74	1,075.53	977.33	1,112.61	614.17	719.20	891.41	867.65	846.86	822.03	9,998.00
1952	Wet	658.93	634.78	634.50	937.93	941.15	1,165.86	812.66	806.25	945.19	1,032.80	971.31	888.40	10,443.76
1953	Wet	721.43	648.52	800.58	918.74	905.23	833.50	571.44	663.81	690.42	838.03	857.30	780.25	9,215.25
1954	Above Normal	519.93	442.21	476.13	210.95	602.59	488.02	619.95	720.93	765.61	877.93	925.05	831.61	7,480.91
1955	Dry	574.08	543.82	587.22	219.37	256.85	376.17	580.62	662.63	664.80	848.37	790.36	687.16	6,791.45
1956	Wet	502.57	518.97	491.60	750.53	1,023.25	1,127.29	728.49	817.18	966.56	1,047.19	996.13	896.33	9,866.09
1957	Above Normal	745.08	649.83	815.30	628.10	565.79	610.81	645.53	750.15	521.94	955.96	1,011.83	907.74	8,808.06
1958	Wet	748.67	582.63	520.15	168.16	758.60	928.43	1,012.96	1,029.88	1,070.46	1,135.84	1,132.65	1,083.21	10,171.64
1959	Below Normal	974.54	492.43	1,095.88	453.80	461.07	483.59	564.37	634.45	83.32	927.60	943.05	850.73	7,964.83
1960	Dry	587.43	517.60	422.50	176.50	152.04	306.57	708.08	810.04	628.38	1,011.53	799.29	996.69	7,116.65
1961	Dry	710.80	706.98	719.62	250.80	222.75	312.92	577.90	657.95	647.65	829.72	615.62	411.89	6,664.60
1962	Below Normal	17.57	584.02	698.48	148.52	180.83	422.02	614.57	703.67	289.68	1,015.40	1,037.77	929.49	6,642.02
1963	Wet	774.50	728.98	532.01	564.59	653.58	686.14	609.28	651.72	850.27	890.23	809.58	772.34	8,523.22
1964	Dry	593.70	586.24	586.14	492.21	913.68	680.74	668.46	696.30	681.72	841.92	766.62	799.86	8,307.59
1965	Wet	609.77	575.21	577.90	726.61	894.52	844.00	644.38	669.65	650.50	936.78	866.95	809.53	8,805.80
1966	Below Normal	612.02	605.99	699.11	828.42	848.75	654.42	587.25	662.92	685.22	829.43	845.99	779.37	8,638.89
1967	Wet	554.57	533.00	484.92	302.50	880.93	898.70	993.16	1,015.81	1,093.16	1,132.54	1,128.76	1,080.69	10,098.54
1968	Below Normal	971.31	858.19	1,012.30	553.67	500.96	501.46	575.80	653.08	89.38	944.32	962.48	868.68	8,489.63
1969	Wet	601.39	589.18	610.48	572.67	1,044.39	1,057.14	882.24	1,070.45	1,072.90	1,107.11	1,122.11	1,070.83	10,800.89
1970	Wet	968.25	860.40	873.75	1,117.38	948.26	1,126.91	748.83	701.99	867.69	952.23	835.25	751.28	10,752.22
1971	Wet	635.40	684.94	620.75	898.15	897.37	806.70	590.59	667.02	703.72	832.92	849.32	782.99	8,969.87
1972	Below Normal	558.32	456.31	598.48	404.59	692.96	645.73	619.58	691.40	717.48	864.39	885.79	808.85	7,943.88
1973	Above Normal	602.67	644.38	480.62	243.10	825.70	828.20	654.50	756.54	911.38	948.75	885.55	840.20	8,630.59
1974	Wet	736.03	762.75	683.64	934.46	910.49	1,073.34	937.79	763.78	929.54	1,025.38	902.77	859.96	10,519.93
1975	Wet	732.87	614.83	779.59	787.41	664.68	974.51	735.46	745.63	921.84	931.21	874.35	841.83	9,604.21
1976	Critical	731.66	597.31	763.65	528.19	514.28	481.88	641.35	737.17	620.09	927.07	648.89	933.36	8,124.90
1977	Critical	643.89	571.87	370.39	119.69	105.21	149.82	243.20	58.99	1.67	49.64	45.18	67.87	2,427.42
1978	Above Normal	17.55	317.64	566.57	152.15	287.62	721.09	695.74	750.18	906.30	974.23	1,028.72	856.42	7,274.21
1979	Below Normal	658.75	585.24	651.69	434.01	474.35	892.20	731.54	752.11	900.45	1,015.39	881.55	852.53	8,830.81
1980	Above Normal	730.38	666.03	776.83	798.53	963.48	1,059.58	738.07	851.21	985.44	1,063.74	1,062.10	924.41	10,618.80
1981	Dry	793.87	695.35	850.39	621.36	776.44	619.79	643.96	751.55	675.32	944.09	936.79	836.89	9,145.80
1982	Wet	614.46	674.39	506.53	564.21	851.98	944.60	1,063.18	1,012.02	1,061.34	1,124.48	1,120.38	1,077.85	10,615.42
1983	Wet	1,051.61	993.96	1,079.72	955.56	903.94	1,021.26	974.85	926.37	1,016.70	1,033.55	1,094.61	1,034.64	12,086.77
1984	Wet	1,064.54	969.08	889.08	1,002.95	988.30	1,107.03	605.67	715.81	892.10	957.43	850.71	757.54	10,800.24
1985	Dry	685.87	729.80	874.56	780.48	683.85	702.88	684.45	709.49	712.44	841.08	770.00	807.36	8,982.26
1986	Wet	682.51	673.60	637.08	492.66	643.49	1,119.99	986.72	1,025.89	1,047.09	1,135.05	1,131.56	1,086.29	10,661.93
1987	Dry	971.13	406.86	1,095.16	455.44	393.83	279.99	318.70	389.80	394.59	381.81	340.59	328.36	5,756.26
1988	Critical	154.02	133.32	198.36	112.84	138.57	187.66	261.85	306.60	297.27	391.51	270.74	249.76	2,702.50
1989	Dry	121.17	186.78	167.80	152.30	154.37	214.97	758.70	807.06	828.86	942.57	817.77	922.92	6,075.27
1990	Critical	745.96	654.47	672.63	380.41	343.24	269.52	354.01	426.25	426.32	573.90	387.09	362.14	5,595.94
1991	Critical	180.94	148.87	136.94	58.32	122.23	173.32	268.68	299.28	323.68	413.45	266.59	237.12	2,629.42
1992	Critical	135.59	93.53	124.15	63.47	118.57	209.91	328.34	382.33	402.25	394.20	336.03	340.47	2,928.84
1993	Above Normal	121.60	96.45	245.75	166.02	693.30	728.09	640.11	694.71	466.08	1,058.57	943.68	871.36	6,725.72
1994	Critical	671.28	560.16	662.63	3									

Difference in Energy Use (GWh) At Pumping Plant at System Total: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.02	(0.07)	(0.03)	0.00	96.23	125.46	45.85	(0.03)	22.29
1923	Below Normal	(0.03)	(0.08)	(0.06)	(0.93)	(0.55)	(4.34)	(0.15)	0.36	177.20	16.95	0.76	0.32	15.79
1924	Critical	(0.23)	(0.19)	(0.69)	(2.20)	(1.86)	(0.55)	0.09	(0.03)	0.15	0.16	0.13	0.05	(0.43)
1925	Dry	0.04	(0.03)	0.01	0.02	(0.08)	(1.71)	0.36	0.43	0.40	0.42	0.57	0.37	0.06
1926	Dry	0.39	0.36	0.22	(0.02)	(0.16)	(0.17)	(0.47)	(0.37)	(0.31)	(0.37)	(0.25)	(0.89)	(0.17)
1927	Wet	(0.32)	(0.27)	(0.22)	0.01	(0.24)	0.01	0.01	0.01	115.81	76.29	0.01	(0.01)	15.92
1928	Above Normal	0.00	0.00	0.00	(0.03)	(0.41)	0.00	0.03	0.03	0.03	0.01	0.03	0.02	(0.02)
1929	Critical	0.02	0.02	(0.01)	0.00	(0.01)	(0.05)	(0.09)	(0.13)	(0.14)	(0.14)	(0.12)	0.49	(0.01)
1930	Dry	(0.14)	(0.08)	0.27	0.00	(0.02)	0.01	(0.02)	(0.01)	0.02	(0.01)	(0.04)	(0.02)	0.00
1931	Critical	(0.04)	(0.08)	(0.07)	0.01	(0.05)	0.00	(0.11)	(0.14)	(0.15)	(0.30)	(0.14)	(0.14)	(0.10)
1932	Dry	(0.11)	(0.10)	(0.04)	(0.06)	0.16	11.83	(0.02)	0.00	135.36	56.70	(0.03)	(0.04)	16.97
1933	Critical	(0.07)	(0.08)	(3.30)	(0.18)	(9.33)	0.00	0.01	0.01	0.02	(0.26)	(0.04)	(0.07)	(1.11)
1934	Critical	(0.05)	(0.09)	88.04	5.08	20.27	79.21	(39.46)	9.76	13.47	27.48	203.21	(0.88)	33.84
1935	Below Normal	(16.08)	28.37	30.97	(6.21)	(1.37)	(2.34)	(10.98)	0.46	4.18	6.34	9.72	2.14	3.77
1936	Below Normal	(14.93)	(9.75)	(31.43)	(18.54)	(31.59)	(3.32)	(0.10)	(0.13)	100.93	90.91	(0.12)	(0.12)	6.82
1937	Below Normal	(0.14)	(0.11)	0.03	0.36	0.01	(0.05)	(4.94)	(1.84)	20.13	17.77	14.38	13.48	4.92
1938	Wet	38.61	38.91	(4.02)	71.75	(1.73)	14.82	16.33	(47.12)	(7.81)	12.91	10.42	7.55	12.55
1939	Dry	39.63	40.40	12.08	151.19	(17.51)	(67.90)	(83.44)	(115.89)	43.37	(72.44)	47.55	(128.94)	(12.66)
1940	Above Normal	33.26	4.97	8.07	0.07	0.53	0.46	0.13	0.17	136.58	55.56	0.22	0.21	20.02
1941	Wet	0.21	0.46	0.44	(0.17)	(4.33)	(2.39)	(2.38)	(2.55)	93.70	104.61	61.35	(2.90)	20.50
1942	Wet	(1.73)	(2.76)	(2.09)	(0.26)	(2.65)	(3.44)	(0.11)	0.10	96.42	157.72	15.76	0.10	21.42
1943	Wet	(0.12)	(0.23)	(0.31)	(13.32)	(5.60)	(5.98)	(4.10)	(4.33)	54.11	61.78	60.09	55.61	16.47
1944	Dry	4.36	(7.49)	6.10	(23.07)	(20.49)	(6.64)	(0.08)	(0.11)	(2.25)	(0.16)	1.73	(0.14)	(4.02)
1945	Below Normal	(0.12)	(0.37)	(0.09)	(0.02)	(10.02)	(70.29)	0.88	1.11	113.05	115.24	43.01	0.97	16.11
1946	Below Normal	0.97	0.96	0.93	(0.14)	(0.02)	(3.91)	(2.83)	0.38	191.86	7.20	2.72	0.59	16.56
1947	Dry	(4.08)	(2.46)	(5.11)	(10.95)	1.90	(12.73)	1.52	2.24	2.23	2.09	1.75	2.06	(1.80)
1948	Below Normal	(0.59)	1.89	2.04	(15.57)	(14.20)	(5.04)	0.16	5.70	(0.52)	0.39	(0.03)	1.33	(2.04)
1949	Dry	0.80	0.02	(2.65)	(0.45)	(0.44)	(0.45)	(2.08)	(0.34)	0.25	0.72	(5.43)	2.16	(0.66)
1950	Below Normal	0.86	2.22	31.89	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	2.92
1951	Above Normal	0.00	0.01	(24.54)	34.64	3.16	0.05	0.67	0.60	150.38	42.83	0.55	1.68	17.50
1952	Wet	0.57	0.48	0.50	(2.53)	3.53	(0.67)	(4.35)	(137.27)	(46.66)	(9.56)	(69.82)	(118.31)	(32.01)
1953	Wet	(128.86)	(121.48)	(106.46)	(0.93)	129.51	255.76	19.29	19.68	397.57	(58.89)	(57.96)	(44.56)	25.22
1954	Above Normal	(29.25)	(26.71)	(3.68)	36.40	146.67	30.84	(3.20)	(1.12)	42.34	17.65	(15.76)	(14.03)	15.01
1955	Dry	(12.59)	(10.45)	(8.41)	(2.62)	3.95	6.60	12.47	15.16	15.78	14.77	17.93	19.77	6.03
1956	Wet	7.24	9.94	(19.92)	(90.68)	13.89	5.20	2.45	2.20	105.94	108.99	59.52	1.90	17.22
1957	Above Normal	2.09	2.04	1.77	0.42	(0.07)	(9.02)	(0.10)	(0.31)	(9.77)	0.36	1.69	1.55	(0.78)
1958	Wet	1.14	1.06	0.86	(0.14)	(0.45)	(0.40)	(1.37)	(0.43)	0.20	3.24	0.37	(0.66)	0.29
1959	Below Normal	25.90	199.13	(0.57)	27.84	0.06	0.18	0.01	0.00	0.00	0.00	0.01	0.01	21.05
1960	Dry	0.19	0.00	0.01	0.01	0.01	(0.75)	0.18	0.10	0.75	(0.06)	2.59	(0.74)	0.19
1961	Dry	(0.63)	(0.49)	(0.37)	0.22	0.22	0.09	0.05	0.07	(0.33)	(0.07)	(0.23)	0.26	(0.10)
1962	Below Normal	(0.22)	(0.29)	25.64	(0.01)	(0.01)	0.10	(0.03)	(0.04)	193.84	(0.05)	(0.04)	(0.03)	18.24
1963	Wet	(0.03)	(0.02)	(0.02)	0.01	0.01	0.01	0.01	(0.01)	182.72	87.70	(0.02)	0.00	22.53
1964	Dry	0.01	(0.04)	0.04	0.76	0.01	0.31	(0.05)	(0.12)	(0.54)	(0.05)	(0.09)	(0.05)	0.02
1965	Wet	(0.07)	0.00	0.07	0.02	0.02	(0.08)	(0.11)	0.01	192.86	75.69	(0.60)	(0.68)	22.26
1966	Below Normal	0.90	0.10	0.22	(0.39)	(0.46)	0.02	0.01	(0.02)	(0.04)	(0.05)	(0.06)	(0.02)	0.02
1967	Wet	0.02	0.01	0.06	0.20	0.06	0.19	(1.35)	(1.56)	6.21	8.34	5.63	3.13	1.75
1968	Below Normal	29.34	23.97	49.73	55.74	(41.21)	(9.97)	2.33	2.80	0.86	3.24	3.37	2.97	10.26
1969	Wet	2.85	2.19	1.88	(17.49)	18.09	1.14	(77.09)	35.15	22.81	25.97	36.43	35.12	7.25
1970	Wet	60.02	61.84	29.92	(0.12)	3.13	14.78	70.58	(4.74)	153.23	107.60	(4.53)	1.45	41.10
1971	Wet	(4.54)	(3.71)	(3.72)	(0.46)	0.10	5.96	0.69	(1.21)	(1.79)	(2.19)	(2.75)	(1.06)	(1.22)
1972	Below Normal	0.75	0.94	2.68	10.83	3.79	2.97	0.63	0.25	0.13	0.02	(0.12)	0.18	1.92
1973	Above Normal	0.57	0.55	0.93	1.50	0.00	0.05	0.00	0.01	129.88	62.17	(1.32)	(0.04)	16.19
1974	Wet	0.00	0.01	0.00	(4.13)	3.68	(0.14)	(5.17)	(2.16)	124.95	129.81	8.31	(1.95)	21.10
1975	Wet	(1.87)	(2.32)	(1.72)	3.97	1.20	(1.80)	(0.98)	(1.03)	133.77	56.36	(0.97)	(0.93)	15.32
1976	Critical	(0.91)	(0.87)	(0.84)	(0.44)	(0.10)	0.66	1.28	1.56	3.80	1.38	(1.67)	2.15	0.50
1977	Critical	1.45	1.54	(10.59)	(0.06)	(0.01)	0.00	0.01	(1.17)	0.00	(0.24)	0.00	0.26	(0.73)
1978	Above Normal	(0.03)	0.46	9.24	(0.10)	(18.87)	(57.73)	(14.51)	(0.35)	104.04	76.34	125.17	(2.70)	18.41
1979	Below Normal	(14.40)	(17.73)	(73.56)	(69.49)	(64.85)	(53.88)	(29.65)	(31.80)	103.03	107.00	(28.57)	(27.57)	(16.79)
1980	Above Normal	(35.82)	(7.57)	(21.64)	24.35	11.29	1.13	(163.13)	(145.33)	(59.74)	(52.95)	(55.65)	(147.96)	(54.42)
1981	Dry	(139.26)	7.05	(178.54)	130.38	295.21	192.83	52.39	63.10	579.36	(44.28)	(36.05)	(31.15)	74.25
1982	Wet	(17.88)	(16.93)	(10.28)	23.81	17.73	(0.95)	(0.26)	(5.73)	15.76	16.09	13.77	12.14	3.96
1983	Wet	37.39	38.79	77.01	9.84	3.53	(14.31)	47.83	(53.08)	23.60	(1.22)	28.40	11.77	17.46
1984	Wet	19.56	18.96	(200.37)	(20.13)	(16.06)	(5.31)	0.00	0.00	152.82	117.48	0.00	0.00	5.58
1985	Dry	(0.02)	0.00	(0.12)	0.00	0.00	(0.02)	0.01	0.00	0.01	0.00	(0.01)	0.01	(0.01)
1986	Wet	0.00	0.00	0.00	0.01	(154.35)	48.17	47.46	2.34	0.04	1.94	1.20	0.46	(4.39)
1987	Dry	24.69	133.27	(0.29)	37.48	(0.37)	(0.19)	(0.09)	(0.14)	0.77	(0.19)	0.09	(0.19)	16.24
1988	Critical	(0.03)	(0.03)	0.19	0.01	0.11	0.02	(0.02)	3.16	3.36	1.28	2.98	2.59	1.14
1989	Dry	1.38	0.62	0.84	(0.37)	(0.30)	(0.99)	(1.85)	0.33	1.02	1.53	(42.45)	11.46	(2.40)
1990	Critical	8.94	8.15	5.35	(6.67)	(4.80)	(0.80)	2.31	3.03	3.26	2.81	2.89	2.94	2.28
1991	Critical	1.64	1.11	0.61	(0.12)	(0.20)	0.04	0.00	0.00	(0.04)	(0.11)	0.00	(0.02)	0.24
1992	Critical	(0.20)	0.00	(0.23)	(0.78)	(0.05)	(0.08)	(4.68)	(6.14)	(15.59)	2.44	(5.73)	(5.05)	(3.01)
1993	Above Normal	6.80	0.18	(10.02)	(4.08)	0.80	1.62	0.58	(0.26)	144.23	129.24	(0.19)	(1.47)	22.29
1994	Critical	(0.24)	(0.04)	1.61	3.46	2.94	0.44	(0.69)	(0.83)	12.41	(3.73)	2.21	0.34	1.49
1995	Wet	(1.41)	0.05	13.01	(0.02)	(0.06)	(0.99)	(3.26)	(67.89)	42.11	(90.18)	42.72	49.06	(1.40)
1996	Wet	(188.02)	(367.12)	(131.46)	0.66	0.01	(3.47)	(2.06)	(2.17)	113.60	130.38	18.52	(1.96)	(36.09)
1997	Wet	(2.73)	(2.26)	(1.84)	(0.33)	0.01	(1.55)	(0.23)	(0.11)	97.17	101.07	69.36	(0.11)	21.54
1998	Wet	(0.06)	(0.20)	(0.13)	(0.49)	(0.19)	(6.63)	5.02	(6.17)	126.25	127.51	(2.45)	(2.42)	20.00
1999	Wet	(2.36)	(2.10)	1.41	(0.39)	0.00	(0.01)	(0.02)	(0.01)	128.23	116.32	24.12	(0.01)	22.10
2000	Above Normal	0.02	(0.01)	(0.01)	(0.01)	(3.78)	(8.66)	(1.65)	0.68	144.35	51.05	2.57	0.85	15.45
2001	Dry	(1.47)	(1.69)	(7.40)	(8.26)	(6.75)	(1.99)	0.39	0.29	0.22	2.10	0.86	0.70	(1.92)
2002	Dry	0.96	0.94	0.44	0.37	(0.09)	(0.07)	(0.86)	(0.91)	(0.91)	(0.86)	(12.20)	3.39	(0.82)
2003	Above Normal	16.73	2.42	20.87	0.00	(0.01)	(0.01)	0.00	0.00	0.00	0.00	(0.00)	(0.01)	3.33
Average		(3.06)	0.34	(5.38)	3.76	3.05	3.71	(2.22)	(5.78)	59.79	28.40	7.87	(3.47)	7.25
Wet		(7.01)	(13.33)	(13.75)	(1.59)	0.34	11.47	4.11	(10.70)	89.37	56.38	12.19	0.11	10.63
Above Normal		(0.47)	(1.97)	(1.58)	7.76	11.61	(3.45)	(15.10)	(12.16)	73.21	42.31	8.60	(13.49)	7.94
Below Normal		0.87	16.38	2.74	(1.18)	(11.46)	(10.70)	(3.19)	(1.63)</					

Percent Difference in Energy Use (GWh) At Pumping Plant at System Total: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	12%	15%	6%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	26%	2%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	15%	9%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	2%	0%	0%	22%	8%	0%	0%
1933	Critical	0%	0%	-1%	0%	-1%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	24%	2%	8%	31%	-9%	2%	2%	5%	65%	-2%
1935	Below Normal	-3%	6%	8%	-3%	0%	-1%	-1%	0%	1%	1%	1%	0%
1936	Below Normal	-2%	-1%	-5%	-5%	-5%	0%	0%	0%	12%	10%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	-1%	0%	2%	2%	1%	1%
1938	Wet	4%	4%	0%	9%	0%	1%	2%	-4%	-1%	1%	1%	1%
1939	Dry	4%	5%	1%	23%	-3%	-13%	-13%	-15%	21%	-7%	11%	-15%
1940	Above Normal	18%	3%	1%	0%	0%	0%	0%	0%	22%	6%	0%	0%
1941	Wet	0%	0%	0%	0%	-1%	0%	0%	0%	11%	11%	7%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	19%	2%	0%
1943	Wet	0%	0%	0%	-2%	-1%	-1%	0%	0%	6%	6%	6%	6%
1944	Dry	1%	-20%	1%	-6%	-5%	-2%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	-4%	-6%	0%	0%	14%	13%	5%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	30%	1%	0%	0%
1947	Dry	-1%	0%	-1%	-2%	0%	-3%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-3%	-4%	-2%	0%	2%	0%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1950	Below Normal	0%	1%	7%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	-4%	3%	0%	0%	0%	0%	20%	5%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	-1%	-15%	-5%	-1%	-7%	-12%
1953	Wet	-15%	-16%	-12%	0%	17%	44%	3%	136%	3%	-7%	-6%	-5%
1954	Above Normal	-5%	-6%	-1%	21%	32%	7%	-1%	0%	6%	2%	-2%	-2%
1955	Dry	-2%	-2%	-1%	-1%	2%	2%	2%	2%	2%	2%	2%	3%
1956	Wet	1%	2%	-4%	-11%	1%	0%	0%	0%	12%	12%	6%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	-2%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	3%	68%	0%	7%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	-1%	0%	4%	0%	0%	0%	0%	0%	202%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	27%	11%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	42%	9%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	0%
1968	Below Normal	3%	3%	5%	11%	-8%	-2%	0%	0%	1%	0%	0%	0%
1969	Wet	0%	0%	0%	-3%	2%	0%	-8%	3%	2%	3%	3%	3%
1970	Wet	7%	8%	4%	0%	0%	1%	10%	-1%	21%	13%	-1%	0%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	0%	3%	1%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	17%	7%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	16%	14%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	17%	6%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1977	Critical	0%	0%	-3%	0%	0%	0%	0%	-2%	0%	0%	0%	0%
1978	Above Normal	0%	0%	2%	0%	-6%	-7%	-2%	0%	13%	9%	14%	0%
1979	Below Normal	-2%	-3%	-10%	-14%	-12%	-6%	-4%	-4%	13%	12%	-3%	-3%
1980	Above Normal	-5%	-1%	-3%	3%	1%	0%	-18%	-15%	-6%	-5%	-5%	-14%
1981	Dry	-15%	1%	-17%	27%	61%	45%	9%	9%	604%	-4%	-4%	-4%
1982	Wet	-3%	-2%	-2%	4%	2%	0%	0%	-1%	2%	1%	1%	1%
1983	Wet	4%	4%	8%	1%	0%	-1%	5%	-5%	2%	0%	3%	1%
1984	Wet	2%	2%	-18%	-2%	-2%	0%	0%	0%	21%	14%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-19%	4%	5%	0%	0%	0%	0%	0%
1987	Dry	3%	49%	0%	9%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	0%	1%	1%
1989	Dry	1%	0%	1%	0%	0%	0%	0%	0%	0%	0%	-5%	1%
1990	Critical	1%	1%	1%	-2%	-1%	0%	1%	1%	1%	0%	1%	1%
1991	Critical	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	-1%	0%	0%	-1%	-2%	-4%	1%	-2%	-1%
1993	Above Normal	6%	0%	-4%	-2%	0%	0%	0%	0%	45%	14%	0%	0%
1994	Critical	0%	0%	0%	1%	1%	0%	0%	0%	3%	0%	1%	0%
1995	Wet	-3%	0%	2%	0%	0%	0%	0%	-7%	4%	-9%	4%	5%
1996	Wet	-22%	-94%	-19%	0%	0%	0%	0%	0%	15%	16%	2%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	12%	11%	7%	0%
1998	Wet	0%	0%	0%	0%	0%	-1%	1%	-1%	15%	14%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	17%	14%	3%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	19%	6%	0%	0%
2001	Dry	0%	0%	-1%	-2%	-2%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-2%	0%
2003	Above Normal	9%	1%	3%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	0%	1%	1%	1%	0%	-1%	18%	3%	1%	0%
Wet		-1%	-4%	-2%	0%	0%	2%	1%	-1%	15%	6%	1%	0%
Above Normal		2%	0%	0%	2%	2%	0%	-2%	-1%	12%	5%	1%	-1%
Below Normal		0%	5%	1%	0%	-2%	-1%	0%	0%	21%	3%	0%	0%
Dry		-1%	2%	-1%	3%	3%	2%	0%	0%	36%	0%	0%	-1%
Critical		0%	0%	2%	0%	0%	3%	-1%	0%	0%	0%	6%	0%

Energy Use (GWh) At Pumping Plant at Teerink: CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	73.20	62.94	50.71	12.38	41.20	47.32	47.04	48.48	47.71	49.46	49.16	45.96	575.56
1923	Below Normal	40.75	36.87	35.33	58.68	58.77	47.30	41.27	47.68	47.62	50.80	51.30	45.26	561.63
1924	Critical	35.81	31.58	26.07	11.85	12.63	15.14	23.18	28.32	28.78	28.79	25.98	22.07	290.20
1925	Dry	11.42	8.61	7.37	2.78	7.11	27.40	42.17	54.59	55.13	58.87	60.08	52.14	387.67
1926	Dry	40.42	35.82	28.34	5.40	8.74	19.70	30.97	45.14	45.47	48.49	49.50	42.92	400.91
1927	Wet	32.71	28.78	22.52	6.64	26.87	52.76	50.33	51.77	50.76	52.42	52.04	49.15	476.75
1928	Above Normal	44.68	40.69	39.73	31.40	37.76	28.04	57.23	58.50	57.20	59.06	58.79	55.64	568.72
1929	Critical	51.09	46.91	45.89	31.58	29.51	18.32	21.59	31.06	31.57	31.66	28.64	4.81	372.63
1930	Dry	14.82	17.70	15.43	5.07	8.40	13.77	34.75	41.39	42.34	43.38	41.38	35.53	313.96
1931	Critical	22.97	18.64	14.32	5.07	8.19	14.83	28.28	34.32	35.00	35.14	31.70	26.88	275.34
1932	Dry	14.67	10.69	9.12	5.17	10.97	36.11	31.15	41.68	41.92	44.58	45.01	39.03	330.10
1933	Critical	28.82	25.13	19.50	5.19	44.37	16.66	27.62	41.14	41.88	43.35	41.69	35.82	371.17
1934	Critical	23.72	19.39	14.95	5.24	7.57	15.57	32.29	39.43	40.45	40.51	23.17	1.67	263.96
1935	Below Normal	35.33	27.74	20.81	5.24	10.87	20.04	53.01	56.32	55.96	58.33	58.49	53.65	455.79
1936	Below Normal	46.57	42.23	39.15	22.98	26.39	70.02	49.76	57.26	56.13	57.98	57.63	54.46	580.56
1937	Below Normal	49.87	45.62	44.61	33.19	60.16	59.77	61.98	68.90	67.61	69.82	69.51	65.82	696.86
1938	Wet	61.10	56.23	55.18	38.28	60.36	70.28	69.64	71.25	70.40	72.47	72.00	68.12	765.31
1939	Dry	63.29	57.97	56.99	41.26	44.09	35.47	47.52	54.91	15.03	64.84	26.16	59.50	567.03
1940	Above Normal	13.39	10.18	55.19	5.17	7.26	24.72	46.37	55.03	42.72	59.44	63.79	55.46	438.72
1941	Wet	43.16	38.31	30.34	18.84	43.63	51.26	55.74	57.14	56.10	57.99	57.53	54.31	564.35
1942	Wet	49.74	45.36	44.43	59.56	60.32	61.09	43.38	47.23	47.07	49.67	49.81	44.80	602.46
1943	Wet	37.02	32.93	28.91	44.34	55.00	51.29	61.59	63.07	61.97	64.06	63.60	60.14	623.92
1944	Dry	55.45	1.11	69.21	23.30	22.08	20.62	35.48	42.14	42.60	44.29	43.01	37.09	436.38
1945	Below Normal	25.03	20.77	16.11	8.76	10.78	69.98	49.49	55.59	54.56	56.35	55.97	52.92	476.31
1946	Below Normal	48.35	44.14	43.15	60.12	60.35	67.23	43.44	44.58	44.58	46.36	46.06	42.87	591.99
1947	Dry	37.60	33.87	32.21	27.96	30.44	26.11	57.02	58.21	56.91	58.69	58.43	55.37	532.82
1948	Below Normal	50.83	46.63	45.62	29.31	27.51	17.89	28.03	23.37	5.96	64.01	64.93	56.61	460.70
1949	Dry	43.99	39.30	31.32	8.36	10.27	17.79	50.43	56.86	57.25	60.71	37.30	61.63	475.21
1950	Below Normal	47.89	22.64	29.32	6.92	7.62	15.20	42.85	49.28	1.78	63.60	64.10	55.56	406.76
1951	Above Normal	42.99	38.01	30.24	62.28	60.36	69.87	42.83	50.68	49.85	51.37	50.94	48.05	597.47
1952	Wet	43.54	39.50	38.58	59.36	62.51	69.63	56.90	65.19	64.07	66.26	65.78	62.16	693.48
1953	Wet	57.51	52.46	51.52	61.13	50.80	35.29	39.36	46.53	19.98	55.83	56.33	49.03	575.77
1954	Above Normal	37.54	33.14	26.06	8.13	29.40	26.59	44.66	52.36	49.65	55.15	58.52	50.86	472.06
1955	Dry	39.25	34.67	27.27	7.25	11.80	22.56	40.54	46.79	46.98	50.29	51.22	44.45	423.07
1956	Wet	33.88	29.84	23.39	40.30	62.54	70.31	50.85	57.16	56.35	58.07	57.58	54.38	594.65
1957	Above Normal	49.75	45.27	44.33	39.44	38.38	40.60	46.16	54.26	37.36	60.93	63.63	55.41	575.52
1958	Wet	42.90	38.15	30.18	5.94	48.98	52.16	69.55	71.52	70.45	72.66	72.28	68.33	643.10
1959	Below Normal	63.61	19.78	67.28	27.16	28.57	28.51	39.89	45.55	1.92	58.85	59.17	51.27	491.56
1960	Dry	39.38	34.67	27.43	5.15	6.21	17.23	51.03	57.76	44.36	64.61	50.93	62.07	460.83
1961	Dry	50.22	45.03	37.65	10.50	12.33	15.00	41.33	47.41	47.92	51.10	42.00	27.54	428.03
1962	Below Normal	0.62	40.24	45.74	5.39	6.61	22.82	43.74	50.93	4.49	64.96	65.75	57.19	408.48
1963	Wet	44.38	39.48	31.43	36.41	43.16	43.79	43.08	46.28	45.67	47.72	47.60	43.81	512.81
1964	Dry	37.68	33.78	31.25	28.29	61.93	45.70	47.16	49.36	48.79	50.89	50.75	46.83	532.41
1965	Wet	40.82	36.74	34.37	41.78	58.69	53.27	45.01	47.65	30.19	52.52	52.44	48.06	541.54
1966	Below Normal	41.29	37.11	34.05	52.98	55.92	42.63	42.05	47.84	47.88	50.79	51.31	45.31	549.16
1967	Wet	36.10	31.87	26.53	12.82	58.85	57.99	68.62	70.83	69.80	72.06	71.64	67.74	644.85
1968	Below Normal	62.93	57.59	56.58	29.46	36.18	30.79	40.63	46.65	2.17	60.15	60.39	52.41	535.93
1969	Wet	40.24	35.50	28.07	33.55	60.37	70.93	63.02	66.84	67.37	69.49	69.01	65.22	668.71
1970	Wet	60.39	55.21	54.26	62.28	60.35	69.87	47.87	49.83	49.02	50.53	50.06	47.17	656.84
1971	Wet	42.71	38.70	37.80	59.29	60.32	51.89	42.07	47.97	48.05	50.99	51.40	45.55	576.74
1972	Below Normal	36.50	32.32	27.18	21.44	46.91	42.56	44.02	50.03	50.35	53.54	54.22	47.50	506.57
1973	Above Normal	37.26	32.91	26.71	10.19	53.22	53.86	45.69	53.32	52.47	53.95	53.54	50.54	523.66
1974	Wet	46.03	41.85	40.93	60.35	60.39	69.88	66.34	54.07	53.36	54.89	54.43	51.38	653.90
1975	Wet	46.83	42.46	41.54	51.06	43.72	60.60	51.47	52.61	51.67	53.20	52.83	49.95	597.94
1976	Critical	45.40	41.38	40.43	32.57	34.11	30.29	45.46	52.72	45.11	58.49	42.58	57.05	525.59
1977	Critical	44.21	39.26	25.66	5.29	6.38	10.00	17.22	4.04	0.00	3.09	2.81	3.15	161.11
1978	Above Normal	0.69	22.58	37.62	4.97	12.13	47.07	49.60	53.12	52.49	54.60	54.56	50.44	439.87
1979	Below Normal	44.41	40.12	37.73	28.11	28.32	60.44	53.23	54.67	53.67	55.26	54.91	51.96	562.83
1980	Above Normal	47.39	43.23	42.27	45.84	62.53	70.11	63.65	70.46	69.46	71.73	71.26	67.40	725.33
1981	Dry	62.66	47.72	61.79	28.89	29.11	26.90	41.77	49.39	4.00	63.13	63.75	55.40	534.51
1982	Wet	42.79	37.96	30.16	31.28	44.77	51.97	68.00	69.84	68.90	70.99	70.50	66.62	653.78
1983	Wet	61.88	56.58	55.60	62.28	60.39	69.99	61.64	65.50	66.11	68.11	67.69	63.96	759.73
1984	Wet	64.84	57.57	67.38	62.28	62.50	69.85	42.18	50.49	49.52	51.24	50.77	47.89	676.51
1985	Dry	43.32	39.33	48.23	50.05	44.80	46.63	47.60	49.77	49.07	50.52	50.04	47.15	566.51
1986	Wet	42.73	38.77	37.83	32.01	40.62	70.29	65.14	71.56	70.36	72.65	72.13	68.18	682.27
1987	Dry	63.75	18.75	67.21	23.53	22.32	15.18	22.33	26.39	26.72	26.66	24.20	20.57	357.61
1988	Critical	10.63	8.08	6.92	2.44	9.43	10.17	17.62	21.17	21.15	21.41	19.25	16.32	164.59
1989	Dry	8.26	6.16	5.32	2.97	9.82	13.71	53.40	57.11	56.68	59.34	56.77	55.11	384.65
1990	Critical	47.65	43.14	39.65	21.67	21.24	17.70	25.15	30.10	30.68	30.75	27.76	23.60	359.09
1991	Critical	12.55	9.33	7.95	3.01	6.42	10.03	18.08	21.01	21.03	21.26	19.15	16.32	166.14
1992	Critical	8.32	6.21	5.37	2.07	5.12	10.08	23.27	27.73	28.02	28.05	24.69	21.93	190.86
1993	Above Normal	8.02	6.16	11.10	4.92	43.96	45.93	45.62	49.77	19.37	57.97	58.37	52.63	403.82
1994	Critical	43.97	39.42	34.74	19.65	21.41	28.11	45.67	52.75	35.65	60.68	14.08	38.20	434.33
1995	Wet	3.42	31.05	57.40	5.35	34.23	32.31	63.88	65.48	64.31	66.42	66.12	62.58	552.55
1996	Wet	57.91	27.40	45.71	25.90	25.25	45.76	49.12	49.86	48.87	50.47	50.10	47.26	523.61
1997	Wet	42.80	38.96	38.04	58.75	60.36	70.05	56.61	58.21	57.22	59.03	58.60	55.34	653.97
1998	Wet	50.70	46.19	45.25	39.17	60.31	68.74	53.76	53.69	52.64	54.56	54.22	51.17	630.40
1999	Wet	46.57	48.94	46.81	60.43	60.36	54.63	42.42	50.19	49.26	51.07	50.67	47.73	609.08
2000	Above Normal	43.22	39.22	38.29	35.74	57.12	44.81	47.44	51.66	51.31	54.20	54.48	49.26	566.75
2001	Dry	41.37	37.15	33.20	18.96	18.94	18.77	32.60	39.87	40.85	41.27	37.89	32.33	393.20
2002	Dry	18.85	14.35	11.30	5.36	12.16	22.42	54.62	55.71	54.				

Energy Use (GWh) At Pumping Plant at Teerink: Alternative3_2020

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Total
1922	Above Normal	73.20	62.94	50.71	12.38	41.20	47.33	47.04	48.48	55.10	59.10	52.79	45.96	596.23
1923	Below Normal	40.75	36.87	35.33	58.67	58.74	47.00	41.27	47.72	61.10	52.18	51.37	45.29	576.29
1924	Critical	35.80	31.57	26.02	11.68	12.49	15.10	23.18	28.33	28.79	28.80	25.99	22.08	289.83
1925	Dry	11.42	8.62	7.37	2.78	7.10	27.24	42.20	54.62	55.16	58.90	60.12	52.18	387.71
1926	Dry	40.45	35.85	28.36	5.40	8.73	19.69	30.94	45.11	45.44	48.46	49.47	42.89	400.79
1927	Wet	32.69	28.76	22.50	6.64	26.86	52.76	50.33	51.77	59.62	58.31	52.04	49.15	491.43
1928	Above Normal	44.68	40.70	39.74	31.39	37.74	28.04	57.23	58.50	57.20	59.07	58.79	55.65	568.73
1929	Critical	51.09	46.91	45.89	31.58	29.51	18.32	21.58	31.05	31.56	31.65	28.63	4.81	372.58
1930	Dry	14.81	17.68	15.45	5.07	8.40	13.77	34.75	41.39	42.34	43.38	41.38	35.52	313.94
1931	Critical	22.96	18.64	14.31	5.07	8.19	14.83	28.28	34.31	34.99	35.13	31.69	26.87	275.27
1932	Dry	14.66	10.69	9.11	5.17	10.97	36.87	31.15	41.68	52.26	49.00	45.01	39.02	345.59
1933	Critical	28.81	25.12	19.49	5.19	43.62	16.66	27.62	41.14	41.88	43.36	41.69	35.82	370.40
1934	Critical	23.72	19.39	14.95	5.24	8.92	22.21	29.29	40.69	41.40	42.36	37.28	1.67	287.12
1935	Below Normal	34.34	30.06	23.34	5.28	10.82	19.87	52.40	56.54	56.39	59.00	59.33	53.90	461.27
1936	Below Normal	45.94	41.50	37.65	20.34	23.95	70.02	49.75	57.25	63.87	64.97	57.61	54.45	587.30
1937	Below Normal	49.86	45.61	44.60	33.19	60.16	59.77	61.98	68.90	69.15	71.25	70.66	66.90	702.03
1938	Wet	64.31	59.42	56.90	44.79	60.35	70.19	71.32	72.66	70.48	73.41	72.77	68.81	785.41
1939	Dry	66.24	61.05	58.52	52.95	42.55	30.36	40.48	46.39	16.63	59.81	30.12	51.04	556.14
1940	Above Normal	16.02	10.62	55.87	5.14	7.29	24.72	46.38	55.04	53.14	63.78	63.81	55.48	457.29
1941	Wet	43.18	38.32	30.35	18.82	43.63	51.08	55.57	56.96	63.31	66.06	62.34	54.14	583.76
1942	Wet	49.56	45.20	44.27	59.54	60.32	60.83	43.38	47.24	54.48	61.70	51.08	44.81	622.41
1943	Wet	37.01	32.92	28.88	44.27	54.52	50.88	61.29	62.76	66.76	68.87	68.28	64.58	641.02
1944	Dry	55.83	0.38	69.91	21.55	20.51	20.12	35.48	42.13	42.60	44.28	43.00	37.08	432.87
1945	Below Normal	25.02	20.77	16.10	8.76	10.78	65.27	49.57	55.66	63.21	65.19	59.37	52.99	492.69
1946	Below Normal	48.42	44.22	43.22	60.11	60.35	67.11	43.29	45.42	59.04	46.99	46.31	42.95	607.43
1947	Dry	37.44	33.69	31.80	27.11	30.50	25.31	57.17	58.37	57.07	58.86	58.59	55.53	531.44
1948	Below Normal	50.98	46.78	45.76	28.16	26.49	17.51	28.04	23.70	5.91	64.04	64.93	56.71	459.01
1949	Dry	44.04	39.34	31.18	8.33	10.24	17.75	50.31	56.87	57.29	60.79	36.96	61.80	474.90
1950	Below Normal	47.96	22.80	29.52	6.92	7.62	15.20	42.85	49.28	1.78	63.60	64.10	55.56	407.19
1951	Above Normal	42.99	38.01	30.24	62.28	60.36	69.87	42.88	50.72	61.31	54.74	50.98	48.09	612.47
1952	Wet	43.58	39.54	38.62	59.36	62.51	69.62	56.67	55.55	61.82	65.52	60.02	52.77	665.58
1953	Wet	48.26	43.84	42.92	61.55	60.31	54.87	40.92	47.95	48.09	51.52	52.07	45.59	597.89
1954	Above Normal	35.44	31.16	25.01	10.83	39.97	28.94	44.46	52.33	52.64	56.43	57.39	49.82	484.42
1955	Dry	38.40	33.87	26.59	7.00	12.12	23.10	41.46	47.91	48.14	51.52	52.47	45.54	428.12
1956	Wet	34.79	30.67	24.08	33.65	62.53	70.32	51.02	57.32	64.45	66.43	62.22	54.53	612.01
1957	Above Normal	49.90	45.41	44.47	39.47	38.37	39.91	46.15	54.23	36.68	60.95	63.76	55.52	574.82
1958	Wet	42.99	38.24	30.25	5.93	48.95	52.13	69.52	71.49	70.47	72.92	72.32	68.31	643.52
1959	Below Normal	65.68	35.06	67.23	29.39	28.57	39.89	45.55	1.92	58.84	59.17	51.27	51.09	511.09
1960	Dry	39.38	34.67	27.43	5.16	6.21	17.17	51.04	57.77	44.41	64.61	51.10	62.01	460.96
1961	Dry	50.18	44.99	37.62	10.52	12.34	15.00	41.34	47.42	47.93	51.11	41.98	27.55	427.98
1962	Below Normal	0.62	40.19	45.56	5.39	6.61	22.82	43.74	50.93	19.24	64.96	65.75	57.19	423.00
1963	Wet	44.38	39.48	31.43	36.41	43.16	43.79	43.08	46.28	59.57	54.47	47.60	43.81	533.46
1964	Dry	37.68	33.78	31.25	28.35	61.94	45.72	47.16	49.35	48.78	50.87	50.73	46.82	532.43
1965	Wet	40.82	36.74	34.37	41.80	58.69	53.27	45.00	47.65	44.88	58.40	52.42	48.03	562.07
1966	Below Normal	41.37	37.15	34.08	52.95	55.88	42.63	42.05	47.83	47.88	50.78	51.31	45.31	549.22
1967	Wet	36.10	31.87	26.53	12.83	58.86	58.01	68.62	70.83	70.46	72.73	72.09	68.09	647.02
1968	Below Normal	65.43	60.27	60.51	33.78	33.21	30.02	40.80	46.86	2.49	60.31	60.58	52.59	546.85
1969	Wet	40.40	35.67	28.21	33.42	60.37	70.04	61.61	68.39	69.56	71.19	71.75	67.78	678.39
1970	Wet	65.13	60.04	56.61	62.28	60.34	69.80	53.00	49.49	60.72	58.78	49.71	46.84	692.74
1971	Wet	42.39	38.40	37.51	59.25	60.32	52.34	42.09	47.85	47.89	50.79	51.16	45.43	575.42
1972	Below Normal	36.54	32.37	27.38	22.28	47.18	42.77	44.06	50.04	50.35	53.54	54.20	47.50	508.21
1973	Above Normal	37.30	32.95	26.78	10.32	53.22	53.86	45.69	53.32	62.39	58.78	53.54	50.54	538.69
1974	Wet	46.03	41.85	40.93	60.35	60.39	69.87	65.94	53.92	62.92	64.83	55.11	51.23	673.37
1975	Wet	46.68	42.32	41.40	51.36	43.81	60.52	51.41	52.53	61.89	57.58	52.76	49.88	612.14
1976	Critical	45.33	41.31	40.37	32.54	34.11	30.34	45.55	52.84	45.38	58.58	42.46	57.22	526.03
1977	Critical	44.34	39.38	24.94	5.29	6.38	10.00	17.22	3.95	0.00	3.07	2.81	3.16	160.54
1978	Above Normal	0.69	22.58	37.51	4.97	12.12	44.02	48.99	53.80	60.92	61.13	64.71	51.16	462.60
1979	Below Normal	43.49	39.02	35.19	22.89	23.63	56.45	51.10	52.40	61.68	63.29	52.58	49.74	551.46
1980	Above Normal	45.21	41.21	40.26	48.68	62.53	70.06	51.99	60.11	65.66	67.61	67.16	58.53	679.01
1981	Dry	52.73	47.98	47.05	38.63	51.55	41.21	45.70	54.00	47.52	59.61	60.47	52.79	599.24
1982	Wet	41.22	36.54	29.34	33.10	46.15	51.93	67.98	69.82	70.17	72.29	71.61	67.62	657.77
1983	Wet	64.98	59.85	62.92	62.28	60.39	69.99	66.95	63.56	70.48	68.11	70.49	65.64	785.64
1984	Wet	66.31	59.00	52.90	62.28	62.50	69.85	42.18	50.49	61.18	60.24	50.77	47.89	685.59
1985	Dry	43.32	39.33	48.23	50.05	44.80	46.63	47.60	49.77	49.07	50.52	50.04	47.15	566.51
1986	Wet	42.73	38.77	37.83	32.01	33.59	70.21	68.45	71.72	70.36	72.79	72.21	68.27	678.94
1987	Dry	65.71	28.75	67.22	26.54	22.30	15.17	22.33	26.38	26.70	26.65	24.19	20.56	372.50
1988	Critical	10.62	8.07	6.92	2.44	9.44	10.17	17.62	21.40	21.39	21.66	19.47	16.51	165.71
1989	Dry	8.36	6.23	5.39	2.95	9.80	13.62	53.30	57.17	56.77	59.48	53.94	55.99	383.00
1990	Critical	48.32	43.75	40.08	21.17	20.88	17.65	25.32	30.32	30.92	30.98	27.98	23.78	361.15
1991	Critical	12.67	9.40	8.01	3.05	6.42	10.03	18.08	21.02	21.04	21.26	19.15	16.32	166.45
1992	Critical	8.32	6.21	5.37	2.07	5.12	10.08	22.93	27.28	27.54	27.58	24.27	21.56	188.33
1993	Above Normal	8.48	6.17	10.37	4.58	44.03	46.06	45.65	49.74	30.28	67.82	58.35	52.50	424.03
1994	Critical	43.93	39.41	34.76	19.91	21.64	28.14	45.62	52.69	36.50	60.41	14.07	38.20	435.28
1995	Wet	3.31	31.04	57.45	5.35	34.23	32.31	63.88	65.48	67.75	60.16	69.83	66.78	557.57
1996	Wet	45.74	0.38	33.93	25.94	25.23	45.75	48.97	49.71	57.57	60.45	51.60	47.11	492.38
1997	Wet	42.65	38.82	37.91	58.73	60.36	70.05	56.59	58.21	64.75	66.74	63.98	55.34	674.13
1998	Wet	50.70	46.19	45.24	39.13	60.31	68.22	54.29	53.38	62.28	64.32	54.02	50.99	649.07
1999	Wet	46.39	48.78	46.78	60.40	60.36	54.63	42.42	50.19	59.06	59.98	52.61	47.73	629.33
2000	Above Normal	43.22	39.22	38.29	35.74	57.14	44.28	47.36	51.75	62.34	58.22	54.69	49.35	581.60
2001	Dry	41.28	37.04	32.93	18.34	18.43	18.62	32.63	39.89	40.87	41.30	37.95	32.38	391.66
2002	Dry	18.92	14.43	11.34	5.39	12.16	22.42	54.56	55.64					

Difference in Energy Use (GWh) At Pumping Plant at Teerink: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September	Average
1922	Above Normal	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	7.39	9.64	3.63	0.00	1.72
1923	Below Normal	0.00	0.00	0.00	(0.01)	(0.03)	(0.30)	0.00	0.04	13.48	1.38	0.07	0.03	1.22
1924	Critical	(0.01)	(0.01)	(0.05)	(0.17)	(0.14)	(0.04)	0.00	0.01	0.01	0.01	0.01	0.01	(0.03)
1925	Dry	0.00	0.01	0.00	0.00	(0.01)	(0.16)	0.03	0.03	0.03	0.03	0.04	0.04	0.00
1926	Dry	0.03	0.03	0.02	0.00	(0.01)	(0.01)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.03)	(0.01)
1927	Wet	(0.02)	(0.02)	(0.02)	0.00	(0.01)	0.00	0.00	0.00	8.86	5.89	0.00	0.00	1.22
1928	Above Normal	0.00	0.01	0.01	(0.01)	(0.02)	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00
1929	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	0.00	0.00
1930	Dry	(0.01)	(0.02)	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1931	Critical	(0.01)	0.00	(0.01)	0.00	0.00	0.00	0.00	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)	(0.01)
1932	Dry	(0.01)	0.00	(0.01)	0.00	0.00	0.76	0.00	0.00	10.34	4.42	0.00	(0.01)	1.29
1933	Critical	(0.01)	(0.01)	(0.01)	0.00	(0.75)	0.00	0.00	0.00	0.00	0.01	0.00	0.00	(0.06)
1934	Critical	0.00	0.00	0.00	0.00	1.35	6.64	(3.00)	1.26	0.95	1.85	14.11	0.00	1.93
1935	Below Normal	(0.99)	2.32	2.53	0.04	(0.05)	(0.17)	(0.61)	0.22	0.43	0.67	0.84	0.25	0.46
1936	Below Normal	(0.63)	(0.73)	(1.50)	(2.64)	(2.44)	0.00	(0.01)	(0.01)	7.74	6.99	(0.02)	(0.01)	0.56
1937	Below Normal	(0.01)	(0.01)	(0.01)	0.00	0.00	0.00	0.00	0.00	1.54	1.43	1.15	1.08	0.43
1938	Wet	3.21	3.19	1.72	6.51	(0.01)	(0.09)	1.68	1.41	0.08	0.94	0.77	0.69	1.68
1939	Dry	2.95	3.08	1.53	11.69	(1.54)	(5.11)	(7.04)	(8.52)	1.60	(5.03)	3.96	(8.46)	(0.91)
1940	Above Normal	2.63	0.44	0.68	(0.03)	0.03	0.00	0.01	0.01	10.42	4.34	0.02	0.02	1.55
1941	Wet	0.02	0.01	0.01	(0.02)	0.00	(0.18)	(0.17)	(0.18)	7.21	8.07	4.81	(0.17)	1.62
1942	Wet	(0.18)	(0.16)	(0.16)	(0.02)	0.00	(0.26)	0.00	0.01	7.41	12.03	1.27	0.01	1.66
1943	Wet	(0.01)	(0.01)	(0.03)	(0.07)	(0.48)	(0.41)	(0.30)	(0.31)	4.79	4.81	4.68	4.44	1.43
1944	Dry	0.38	(0.73)	0.70	(1.75)	(1.57)	(0.50)	0.00	(0.01)	0.00	(0.01)	(0.01)	(0.01)	(0.29)
1945	Below Normal	(0.01)	0.00	(0.01)	0.00	0.00	(4.71)	0.08	0.07	8.65	8.84	3.40	0.07	1.37
1946	Below Normal	0.07	0.08	0.07	(0.01)	0.00	(0.12)	(0.15)	0.08	14.46	0.63	0.25	0.08	1.29
1947	Dry	(0.16)	(0.18)	(0.41)	(0.85)	0.06	(0.80)	0.15	0.16	0.16	0.17	0.16	0.16	(0.12)
1948	Below Normal	0.15	0.15	0.14	(1.15)	(1.02)	(0.38)	0.01	0.33	(0.05)	0.03	0.00	0.10	(0.14)
1949	Dry	0.05	0.04	(0.14)	(0.03)	(0.03)	(0.04)	(0.12)	0.01	0.04	0.08	(0.34)	0.17	(0.03)
1950	Below Normal	0.07	0.16	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04
1951	Above Normal	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	11.46	3.37	0.04	0.04	1.25
1952	Wet	0.04	0.04	0.04	0.00	0.00	(0.01)	(0.23)	(9.64)	(2.25)	(0.74)	(5.76)	(9.39)	(2.33)
1953	Wet	(9.25)	(8.62)	(8.60)	0.42	9.51	19.58	1.56	1.42	28.11	(4.31)	(4.26)	(3.44)	1.84
1954	Above Normal	(2.10)	(1.98)	(1.05)	2.70	10.57	2.35	(0.20)	(0.03)	2.99	1.28	(1.13)	(1.04)	1.03
1955	Dry	(0.85)	(0.80)	(0.68)	(0.25)	0.32	0.54	0.92	1.12	1.16	1.23	1.25	1.09	0.42
1956	Wet	0.91	0.83	0.69	(6.65)	(0.01)	0.01	0.17	0.16	8.10	8.36	4.64	0.15	1.45
1957	Above Normal	0.15	0.14	0.14	0.03	(0.01)	(0.69)	(0.01)	(0.03)	(0.68)	0.02	0.13	0.11	(0.06)
1958	Wet	0.09	0.09	0.07	(0.01)	(0.03)	(0.03)	(0.03)	(0.03)	0.02	0.26	0.04	(0.02)	0.04
1959	Below Normal	2.07	15.28	(0.05)	2.23	0.00	0.01	0.00	0.00	0.00	(0.01)	0.00	0.00	1.63
1960	Dry	0.00	0.00	0.00	0.00	0.00	(0.06)	0.01	0.01	0.05	0.00	0.17	(0.06)	0.01
1961	Dry	(0.04)	(0.04)	(0.03)	0.02	0.01	0.00	0.01	0.01	0.01	0.01	(0.02)	0.01	0.00
1962	Below Normal	0.00	(0.05)	(0.18)	0.00	0.00	0.00	0.00	0.00	14.75	0.00	0.00	0.00	1.21
1963	Wet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.90	6.75	0.00	0.00	1.72
1964	Dry	0.00	0.00	0.00	0.06	0.01	0.02	0.00	(0.01)	(0.01)	(0.02)	(0.02)	(0.01)	0.00
1965	Wet	0.00	0.00	0.00	0.02	0.00	0.00	(0.01)	0.00	14.69	5.88	(0.02)	(0.03)	1.71
1966	Below Normal	0.08	0.04	0.03	(0.03)	(0.04)	0.00	0.00	(0.01)	0.00	(0.01)	0.00	0.00	0.01
1967	Wet	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.66	0.67	0.45	0.35	0.18
1968	Below Normal	2.50	2.68	3.93	4.32	(2.97)	(0.77)	0.17	0.21	0.32	0.16	0.19	0.18	0.91
1969	Wet	0.16	0.17	0.14	(0.13)	0.00	0.01	(1.41)	1.55	2.19	1.70	2.74	2.56	0.81
1970	Wet	4.74	4.83	2.35	0.00	(0.01)	(0.07)	5.13	(0.34)	11.70	8.25	(0.35)	(0.33)	2.99
1971	Wet	(0.32)	(0.30)	(0.29)	(0.04)	0.00	0.45	0.02	(0.12)	(0.16)	(0.20)	(0.24)	(0.12)	(0.11)
1972	Below Normal	0.04	0.05	0.20	0.84	0.27	0.21	0.04	0.01	0.00	0.00	(0.02)	0.00	0.14
1973	Above Normal	0.04	0.04	0.07	0.13	0.00	0.00	0.00	0.00	9.92	4.83	0.00	0.00	1.25
1974	Wet	0.00	0.00	0.00	0.00	0.00	(0.01)	(0.40)	(0.15)	9.56	9.94	0.68	(0.15)	1.62
1975	Wet	(0.15)	(0.14)	(0.14)	0.30	0.09	(0.08)	(0.06)	(0.08)	10.22	4.38	(0.07)	(0.07)	1.18
1976	Critical	(0.07)	(0.07)	(0.06)	(0.03)	0.00	0.05	0.09	0.12	0.27	0.09	(0.12)	0.17	0.04
1977	Critical	0.13	0.12	(0.72)	0.00	0.00	0.00	0.00	(0.09)	0.00	(0.02)	0.00	0.01	(0.05)
1978	Above Normal	0.00	0.00	(0.11)	0.00	(0.01)	(3.05)	(0.61)	0.68	8.43	6.53	10.15	0.72	1.89
1979	Below Normal	(0.92)	(1.10)	(2.54)	(5.22)	(4.69)	(3.99)	(2.13)	(2.27)	8.01	8.03	(2.33)	(2.22)	(0.95)
1980	Above Normal	(2.18)	(2.02)	(2.01)	2.84	0.00	(0.05)	(11.66)	(10.35)	(3.80)	(4.12)	(4.10)	(8.87)	(3.86)
1981	Dry	(9.93)	0.26	(14.74)	9.74	22.44	14.31	3.93	4.61	43.52	(3.52)	(3.28)	(2.61)	5.39
1982	Wet	(1.57)	(1.42)	(0.82)	1.82	1.38	(0.04)	(0.02)	(0.02)	1.27	1.30	1.11	1.00	0.33
1983	Wet	3.10	3.27	7.32	0.00	0.00	0.00	5.31	(1.94)	4.37	0.00	2.80	1.68	2.16
1984	Wet	1.47	1.43	(14.48)	0.00	0.00	0.00	0.00	0.00	11.66	9.00	0.00	0.00	0.76
1985	Dry	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1986	Wet	0.00	0.00	0.00	0.00	(7.03)	(0.08)	3.31	0.16	0.00	0.14	0.08	0.09	(0.28)
1987	Dry	1.96	10.00	0.01	3.01	(0.02)	(0.01)	0.00	(0.01)	(0.02)	(0.01)	(0.01)	(0.01)	1.24
1988	Critical	(0.01)	(0.01)	0.00	0.00	0.01	0.00	0.00	0.23	0.24	0.25	0.22	0.19	0.09
1989	Dry	0.10	0.07	0.07	(0.02)	(0.02)	(0.09)	(0.10)	0.06	0.09	0.14	(2.83)	0.88	(0.14)
1990	Critical	0.67	0.61	0.43	(0.50)	(0.36)	(0.05)	0.17	0.22	0.24	0.23	0.22	0.18	0.17
1991	Critical	0.12	0.07	0.06	0.04	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.03
1992	Critical	0.00	0.00	0.00	0.00	0.00	0.00	(0.34)	(0.45)	(0.48)	(0.47)	(0.42)	(0.37)	(0.21)
1993	Above Normal	0.46	0.01	(0.73)	(0.34)	0.07	0.13	0.03	(0.03)	10.91	9.85	(0.02)	(0.13)	1.68
1994	Critical	(0.04)	(0.01)	0.02	0.26	0.23	0.03	(0.05)	(0.06)	0.85	(0.27)	(0.01)	0.00	0.08
1995	Wet	(0.11)	(0.01)	0.05	0.00	0.00	0.00	0.00	0.00	3.44	(6.26)	3.71	4.20	0.42
1996	Wet	(12.17)	(27.02)	(11.78)	0.04	(0.02)	(0.01)	(0.15)	(0.15)	8.70	9.98	1.50	(0.15)	(2.60)
1997	Wet	(0.15)	(0.14)	(0.13)	(0.02)	0.00	0.00	(0.02)	0.00	7.53	7.71	5.38	0.00	1.68
1998	Wet	0.00	0.00	(0.01)	(0.04)	0.00	(0.52)	0.53	(0.31)	9.64	9.76	(0.20)	(0.18)	1.56
1999	Wet	(0.18)	(0.16)	(0.03)	(0.03)	0.00	0.00	0.00	0.00	9.80	8.91	1.94	0.00	1.69
2000	Above Normal	0.00	0.00	0.00	0.00	0.02	(0.53)	(0.08)	0.09	11.03	4.02	0.21	0.09	1.24
2001	Dry	(0.09)	(0.11)	(0.27)	(0.62)	(0.51)	(0.15)	0.03	0.02	0.02	0.03	0.06	0.05	(0.13)
2002	Dry	0.07	0.08	0.04	0.03	0.00	0.00	(0.06)	(0.07)	(0.07)	(0.07)	(0.85)	0.13	(0.06)
2003	Above Normal	1.29	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11
Average		(0.15)	0.05	(0.47)	0.32	0.27	0.26	(0.07)	(0.25)	4.61	2.20	0.61	(0.21)	0.60
Wet		(0.40)	(0.93)	(0.93)	0.08	0.13	0.70	0.57	(0.33)	6.98	4.35	0.99	0.04	0.94
Above Normal		0.02	(0.28)	(0.25)	0.44	0.89	(0.15)	(1.04)	(0.80)	5.67	3.31	0.74	(0.75)	0.65
Below Normal		0.17	1.35	0.20	(0.12)	(0.78)	(0.73)	(0.19)	(0.10)	4.95	2.01	0.25	(0.03)	0.58
Dry		(0.31)	0.65	(0.77)	1.17	1.06	0.48	(0.13)	(0.15)	3.16	(0.14)	(0.10)	(0.48)	0.37
Critical		0.06	0.06	(0.03)	(0.03)	0.03	0.55	(0.26)	0.10	0.17	0.14	1.17	0.02	0.17

Percent Difference in Energy Use (GWh) At Pumping Plant at Teerink: Alternative3_2020 minus CONV_NA

Year	Year Type	October	November	December	January	February	March	April	May	June	July	August	September
1922	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	15%	19%	7%	0%
1923	Below Normal	0%	0%	0%	0%	0%	-1%	0%	0%	28%	3%	0%	0%
1924	Critical	0%	0%	0%	-1%	-1%	0%	0%	0%	0%	0%	0%	0%
1925	Dry	0%	0%	0%	0%	0%	-1%	0%	0%	0%	0%	0%	0%
1926	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1927	Wet	0%	0%	0%	0%	0%	0%	0%	0%	17%	11%	0%	0%
1928	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1929	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1930	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1931	Critical	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1932	Dry	0%	0%	0%	0%	0%	2%	0%	0%	25%	10%	0%	0%
1933	Critical	0%	0%	0%	0%	-2%	0%	0%	0%	0%	0%	0%	0%
1934	Critical	0%	0%	0%	0%	18%	43%	-9%	3%	2%	5%	61%	0%
1935	Below Normal	-3%	8%	12%	1%	0%	-1%	-1%	0%	1%	1%	1%	0%
1936	Below Normal	-1%	-2%	-4%	-11%	-9%	0%	0%	0%	14%	12%	0%	0%
1937	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	2%	2%	2%	2%
1938	Wet	5%	6%	3%	17%	0%	0%	2%	2%	0%	1%	1%	1%
1939	Dry	5%	5%	3%	28%	-3%	-14%	-15%	-16%	11%	-8%	15%	-14%
1940	Above Normal	20%	4%	1%	-1%	0%	0%	0%	0%	24%	7%	0%	0%
1941	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	14%	8%	0%
1942	Wet	0%	0%	0%	0%	0%	0%	0%	0%	16%	24%	3%	0%
1943	Wet	0%	0%	0%	0%	-1%	-1%	0%	0%	8%	8%	7%	7%
1944	Dry	1%	-66%	1%	-8%	-7%	-2%	0%	0%	0%	0%	0%	0%
1945	Below Normal	0%	0%	0%	0%	0%	-7%	0%	0%	16%	16%	6%	0%
1946	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	32%	1%	1%	0%
1947	Dry	0%	-1%	-1%	-3%	0%	-3%	0%	0%	0%	0%	0%	0%
1948	Below Normal	0%	0%	0%	-4%	-4%	-2%	0%	1%	-1%	0%	0%	0%
1949	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	-1%	0%
1950	Below Normal	0%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1951	Above Normal	0%	0%	0%	0%	0%	0%	0%	0%	23%	7%	0%	0%
1952	Wet	0%	0%	0%	0%	0%	0%	0%	-15%	-4%	-1%	-9%	-15%
1953	Wet	-16%	-16%	-17%	1%	19%	55%	4%	3%	141%	-8%	-8%	-7%
1954	Above Normal	-6%	-6%	-4%	33%	36%	9%	0%	0%	6%	2%	-2%	-2%
1955	Dry	-2%	-2%	-3%	-3%	3%	2%	2%	2%	2%	2%	2%	2%
1956	Wet	3%	3%	3%	-17%	0%	0%	0%	0%	14%	14%	8%	0%
1957	Above Normal	0%	0%	0%	0%	0%	-2%	0%	0%	-2%	0%	0%	0%
1958	Wet	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1959	Below Normal	3%	77%	0%	8%	0%	0%	0%	0%	0%	0%	0%	0%
1960	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1961	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1962	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	329%	0%	0%	0%
1963	Wet	0%	0%	0%	0%	0%	0%	0%	0%	30%	14%	0%	0%
1964	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1965	Wet	0%	0%	0%	0%	0%	0%	0%	0%	49%	11%	0%	0%
1966	Below Normal	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1967	Wet	0%	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%
1968	Below Normal	4%	5%	7%	15%	-8%	-3%	0%	0%	15%	0%	0%	0%
1969	Wet	0%	0%	0%	0%	0%	0%	-2%	2%	3%	2%	4%	4%
1970	Wet	8%	9%	4%	0%	0%	0%	11%	-1%	24%	16%	-1%	-1%
1971	Wet	-1%	-1%	-1%	0%	0%	1%	0%	0%	0%	0%	0%	0%
1972	Below Normal	0%	0%	1%	4%	1%	0%	0%	0%	0%	0%	0%	0%
1973	Above Normal	0%	0%	0%	1%	0%	0%	0%	0%	19%	9%	0%	0%
1974	Wet	0%	0%	0%	0%	0%	0%	-1%	0%	18%	18%	1%	0%
1975	Wet	0%	0%	0%	1%	0%	0%	0%	0%	20%	8%	0%	0%
1976	Critical	0%	0%	0%	0%	0%	0%	0%	0%	1%	0%	0%	0%
1977	Critical	0%	0%	-3%	0%	0%	0%	0%	-2%	0%	-1%	0%	0%
1978	Above Normal	0%	0%	0%	0%	0%	-6%	-1%	1%	16%	12%	19%	1%
1979	Below Normal	-2%	-3%	-7%	-19%	-17%	-7%	-4%	-4%	15%	15%	-4%	-4%
1980	Above Normal	-5%	-5%	-5%	6%	0%	0%	-18%	-15%	-5%	-6%	-6%	-13%
1981	Dry	-16%	1%	-24%	34%	77%	53%	9%	9%	>1,000%	-6%	-5%	-5%
1982	Wet	-4%	-4%	-3%	6%	3%	0%	0%	0%	2%	2%	2%	2%
1983	Wet	5%	6%	13%	0%	0%	0%	9%	-3%	7%	0%	4%	3%
1984	Wet	2%	2%	-21%	0%	0%	0%	0%	0%	24%	18%	0%	0%
1985	Dry	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
1986	Wet	0%	0%	0%	0%	-17%	0%	5%	0%	0%	0%	0%	0%
1987	Dry	3%	53%	0%	13%	0%	0%	0%	0%	0%	0%	0%	0%
1988	Critical	0%	0%	0%	0%	0%	0%	0%	1%	1%	1%	1%	1%
1989	Dry	1%	1%	1%	-1%	0%	-1%	0%	0%	0%	0%	-5%	2%
1990	Critical	1%	1%	1%	-2%	-2%	0%	1%	1%	1%	1%	1%	1%
1991	Critical	1%	1%	1%	1%	0%	0%	0%	0%	0%	0%	0%	0%
1992	Critical	0%	0%	0%	0%	0%	0%	-1%	-2%	-2%	-2%	-2%	-2%
1993	Above Normal	6%	0%	-7%	-7%	0%	0%	0%	0%	56%	17%	0%	0%
1994	Critical	0%	0%	0%	1%	0%	0%	0%	0%	2%	0%	0%	0%
1995	Wet	-3%	0%	0%	0%	0%	0%	0%	0%	5%	-9%	6%	7%
1996	Wet	-21%	-99%	-26%	0%	0%	0%	0%	0%	18%	20%	3%	0%
1997	Wet	0%	0%	0%	0%	0%	0%	0%	0%	13%	13%	9%	0%
1998	Wet	0%	0%	0%	0%	0%	-1%	1%	-1%	18%	18%	0%	0%
1999	Wet	0%	0%	0%	0%	0%	0%	0%	0%	20%	17%	4%	0%
2000	Above Normal	0%	0%	0%	0%	0%	-1%	0%	0%	21%	7%	0%	0%
2001	Dry	0%	0%	-1%	-3%	-3%	-1%	0%	0%	0%	0%	0%	0%
2002	Dry	0%	1%	0%	1%	0%	0%	0%	0%	0%	0%	-2%	0%
2003	Above Normal	10%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Average		0%	0%	-1%	1%	1%	1%	0%	0%	14%	4%	2%	0%
Wet		-1%	-4%	-2%	0%	0%	2%	1%	0%	18%	8%	2%	0%
Above Normal		2%	0%	-1%	3%	3%	0%	-2%	-1%	15%	6%	2%	-1%
Below Normal		0%	6%	1%	0%	-3%	-1%	0%	0%	32%	4%	0%	0%
Dry		0%	0%	-1%	3%	4%	2%	0%	0%	2%	0%	0%	-1%
Critical		0%	0%	0%	0%	1%	4%	-1%	0%	0%	0%	5%	0%