

Year,PA_Hatch_Days,COS_Hatch_Days,PA_Emerge_Days,COS_Emerge_Days,PA_Apr_31_Shasta_Storage_TAF,COS_Apr_31_Shasta_Storage_TAF,PA_Shasta_Tier,COS_Shasta_Tier,PA_Martin_Mortality,COS_Martin_Mortality,PA_Anderson_Mortality,COS_Anderson_Mortality
1922,21.50,7.10,49.49,23.25,4552.00,4552.00,1,1,0.34,0.16,0.36,0.12
1923,2.89,35.54,13.80,66.54,4303.69,3743.05,1,2,0.11,0.67,0.08,0.81
1924,12.90,33.33,37.61,60.89,2520.93,2500.00,3,3,0.66,0.67,0.46,0.64
1925,0.72,1.07,1.33,4.88,4271.70,4202.82,1,1,0.01,0.04,0.01,0.03
1926,2.40,18.77,4.49,48.98,3888.75,3896.73,2,2,0.03,0.42,0.04,0.59
1927,0.25,0.22,0.79,3.71,4552.00,4552.00,1,1,0.00,0.03,0.01,0.01
1928,0.56,0.31,1.27,3.10,4536.66,4536.66,1,1,0.01,0.02,0.01,0.01
1929,3.66,38.46,14.09,68.41,3205.20,2771.09,3,3,0.13,0.70,0.08,0.85
1930,3.51,31.13,12.57,62.04,3229.91,2916.82,3,3,0.06,0.67,0.07,0.83
1931,32.51,36.33,57.33,62.30,2071.98,1860.26,4,4,0.88,0.94,0.83,0.97
1932,34.17,37.69,62.24,67.35,1884.28,1787.30,4,4,0.60,0.76,0.61,0.83
1933,30.86,36.22,55.75,61.83,1853.06,1716.45,4,4,0.81,0.90,0.68,0.92
1934,28.66,37.85,52.62,63.20,1666.99,1640.12,4,4,0.95,0.94,0.92,0.96
1935,2.14,16.84,6.79,42.71,2701.33,2701.33,3,3,0.06,0.40,0.05,0.48
1936,0.32,0.34,0.90,1.72,4133.09,4126.39,1,1,0.01,0.02,0.01,0.01
1937,1.07,1.49,1.84,5.07,4078.80,4047.60,2,2,0.01,0.03,0.02,0.03
1938,1.15,1.26,1.66,4.59,4058.00,4058.00,2,2,0.01,0.03,0.01,0.02
1939,4.98,16.97,25.48,44.52,3845.62,3617.39,2,2,0.46,0.36,0.21,0.36
1940,0.67,0.90,2.30,3.95,4211.60,4211.60,1,1,0.01,0.04,0.01,0.02
1941,0.35,0.38,0.62,3.59,4456.00,4456.00,1,1,0.01,0.03,0.01,0.01
1942,0.29,0.34,0.57,4.13,4509.98,4509.98,1,1,0.00,0.04,0.01,0.01
1943,0.27,0.21,1.45,3.78,4552.00,4552.00,1,1,0.01,0.04,0.01,0.01
1944,3.00,15.77,12.55,44.93,3750.55,3187.76,2,3,0.08,0.48,0.08,0.59
1945,0.32,0.38,1.95,3.10,4517.63,4155.41,1,1,0.01,0.02,0.01,0.01
1946,0.09,0.11,0.57,4.20,4552.00,4552.00,1,1,0.01,0.04,0.00,0.01
1947,2.45,19.23,14.39,49.41,3822.55,3389.99,2,3,0.11,0.37,0.07,0.52
1948,0.46,0.68,1.29,3.34,4405.45,4304.84,1,1,0.01,0.02,0.01,0.02
1949,0.48,0.46,1.75,2.15,4431.05,4435.90,1,1,0.01,0.01,0.01,0.01
1950,1.13,1.60,4.22,9.09,4117.01,4233.71,1,1,0.03,0.07,0.03,0.06
1951,0.23,0.13,1.43,3.57,4516.46,4516.46,1,1,0.01,0.03,0.01,0.01
1952,0.67,0.85,1.08,3.88,4290.00,4290.00,1,1,0.01,0.03,0.01,0.01
1953,0.38,0.32,1.05,3.63,4552.00,4552.00,1,1,0.01,0.03,0.01,0.01
1954,0.83,0.29,2.57,3.16,4546.00,4546.00,1,1,0.02,0.02,0.02,0.01
1955,2.25,4.56,12.47,25.92,4107.87,3900.97,1,2,0.09,0.32,0.09,0.18
1956,0.21,0.27,0.45,4.10,4525.98,4525.98,1,1,0.00,0.03,0.00,0.01
1957,2.18,0.50,15.03,3.21,4535.75,4535.75,1,1,0.10,0.03,0.08,0.01
1958,0.50,0.71,1.12,4.15,4173.00,4173.00,1,1,0.01,0.05,0.01,0.01
1959,4.84,3.56,25.11,20.48,4330.64,4402.99,1,1,0.28,0.25,0.16,0.14
1960,2.39,5.47,12.40,14.78,4117.53,4172.99,1,1,0.06,0.08,0.06,0.11
1961,1.00,0.76,3.25,4.27,4512.88,4552.00,1,1,0.02,0.04,0.03,0.02
1962,0.46,0.54,1.95,3.09,4552.00,4552.00,1,1,0.01,0.02,0.01,0.02
1963,1.76,1.14,8.93,4.55,4137.00,4137.00,1,1,0.05,0.05,0.05,0.03
1964,1.58,11.83,4.47,39.87,3964.42,3746.64,2,2,0.03,0.26,0.04,0.32
1965,0.27,0.24,1.12,3.13,4500.00,4500.00,1,1,0.01,0.03,0.01,0.01
1966,0.56,0.16,1.35,3.31,4552.00,4552.00,1,1,0.01,0.04,0.01,0.00
1967,0.95,0.83,1.68,3.99,4479.00,4479.00,1,1,0.01,0.03,0.01,0.01
1968,1.36,5.74,4.47,17.41,4387.34,4387.34,1,1,0.03,0.08,0.04,0.11
1969,0.36,0.31,0.79,3.43,4434.00,4434.00,1,1,0.01,0.02,0.01,0.01
1970,0.63,0.35,2.76,3.99,4291.06,4291.06,1,1,0.02,0.04,0.01,0.01
1971,1.07,1.02,2.51,4.44,4470.41,4470.41,1,1,0.02,0.04,0.02,0.02
1972,1.32,1.07,4.39,7.93,4536.60,4552.00,1,1,0.03,0.06,0.04,0.03
1973,1.21,1.13,3.36,4.40,4459.27,4464.47,1,1,0.02,0.03,0.03,0.03
1974,0.69,0.77,1.35,3.94,4289.00,4289.00,1,1,0.01,0.05,0.01,0.02

1975,0.70,0.59,1.29,3.58,4449.70,4449.70,1,1,0.01,0.04,0.01,0.01
1976,14.65,19.59,42.61,48.83,4083.85,3878.49,2,2,0.42,0.61,0.46,0.68
1977,30.44,35.36,54.09,59.18,1751.93,1944.66,4,4,0.98,0.96,0.96,0.96
1978,0.81,0.52,3.11,3.68,4552.00,4552.00,1,1,0.02,0.04,0.02,0.01
1979,2.31,3.19,10.95,19.78,4441.63,4053.44,1,2,0.06,0.20,0.06,0.13
1980,0.49,0.46,1.58,0.83,4421.38,4390.55,1,1,0.02,0.01,0.01,0.01
1981,1.72,8.33,11.13,24.79,4462.39,4273.45,1,1,0.07,0.13,0.06,0.17
1982,1.61,1.49,2.19,4.52,4094.00,4094.00,2,2,0.01,0.02,0.02,0.02
1983,1.40,1.68,2.72,4.97,4074.00,4074.00,2,2,0.01,0.04,0.02,0.03
1984,1.21,1.19,3.91,5.78,4552.00,4552.00,1,1,0.03,0.06,0.03,0.04
1985,3.28,14.81,20.52,42.80,4041.07,3952.67,2,2,0.29,0.34,0.13,0.42
1986,2.22,1.22,15.59,4.78,3892.50,4012.64,2,2,0.18,0.05,0.10,0.03
1987,3.26,16.01,21.07,45.37,4198.40,3623.04,1,2,0.15,0.52,0.10,0.63
1988,9.63,20.04,25.91,48.52,3757.83,3432.65,2,3,0.13,0.50,0.19,0.64
1989,4.04,11.64,21.54,35.40,4273.06,4257.53,1,1,0.37,0.31,0.16,0.33
1990,15.28,19.31,41.58,48.95,3201.30,3255.98,3,3,0.36,0.56,0.35,0.67
1991,35.78,34.28,66.36,64.55,2424.08,2608.74,4,3,0.66,0.78,0.75,0.89
1992,17.06,36.22,42.46,66.20,2703.33,2746.15,3,3,0.77,0.77,0.66,0.86
1993,1.09,1.10,2.34,4.53,4552.00,4552.00,1,1,0.02,0.06,0.03,0.02
1994,11.41,25.95,37.40,56.45,3750.22,3428.31,2,3,0.38,0.56,0.30,0.72
1995,2.45,3.32,5.36,6.92,4216.80,4216.80,1,1,0.03,0.06,0.03,0.05
1996,4.28,2.71,22.37,9.79,4477.14,4477.14,1,1,0.14,0.09,0.11,0.05
1997,0.74,1.13,2.94,5.08,4278.72,4284.24,1,1,0.02,0.07,0.02,0.05
1998,2.88,2.51,20.30,12.96,4367.83,4367.83,1,1,0.24,0.11,0.11,0.05
1999,0.81,0.66,1.84,4.11,4552.10,4552.10,1,1,0.01,0.05,0.01,0.02
2000,2.74,1.74,17.70,8.40,4550.51,4550.51,1,1,0.20,0.07,0.09,0.03
2001,15.26,21.44,44.49,51.13,4158.18,3754.84,1,2,0.39,0.63,0.44,0.73
2002,1.19,1.34,3.69,5.56,4552.10,4552.10,1,1,0.03,0.05,0.04,0.05