TABLE 4.3.1: ACTIVE AND POTENTIALLY ACTIVE EARTHQUAKE FAULTS NEAR PG&E's POWER PLANTS

Generating Station	Fault	Trend	Closest Segment	Last Movement	Slip Rate[a]	MPE[b]	MHE[c]
Morro Bay	San Andreas, Parkfield segment	NNW	37 mi. NE	Historic (1966)	NA	NA	7.0 - 8.25
	Hosgri	NNW	4 mi. S	Holocene	NA	NA	NA
	Los Osos	NW	7 mi. SW	Holocene	NA	NA	6.75
	Rinconada	NNW	16 mi. NE	Holocene	NA	NA	7.5
Moss Landing	San Andreas, Santa Cruz Mountains segment	NNW	11 mi. NE	Historic (1989)	19 mm/year	7.1	7.1
	Sargent	NNW	14 mi. NE	Historic	NA	NA	7.0
	San Gregorio	NNW	16 mi. SW	Historic	NA	6.4	7.5
	Monterey Bay Fault Zone	NNW	20 mi. W	Holocene	NA	NA	7.1
	Calaveras	NNW	20 mi. NE	Historic	13-17 mm/year	6.0	6.9
Oakland	Northern Hayward	NNW	4 mi. SW	Historic (1836)	9-15 mm/year	6.5- 7.5	7.1
	San Andreas, SF Peninsula segment	NNW	14 mi. NE	Historic (1906)	19 mm/year	7.0	7.1
	Rodgers Creek	NNW	24 mi. N	Holocene	6-10 mm/year	5.7	7.1
	Calaveras	NNW	20 mi. SE	Historic	13-17 mm/year	6.0	6.9

a Slip Rate = data indicating the amount of surface displacement along the fault over a unit period; the higher the slip rate, the shorter the expected time to the next earthquake

b MPE = Maximum Probable Credible Earthquake Magnitude, an estimate of the largest earthquake that is judged by geologic studies to be capable of occurring on a fault or segment of a fault for a design period. The MPE is equated here with the design earthquake scenario used by the Association of Bay Area Governments in its planning document and maps *On Shaky Ground*, 1995.

c MHE = Maximum Historic Earthquake Richter Magnitude, based on measurements or inferred from geologic and observed evidence of earthquake effects

SOURCES: Working Group on California Earthquake Probabilities, 1990, *Probabilities of Large Earthquakes in the San Francisco Bay Region, California*. California Division of Mines and Geology, 1992, Anderson, J.G., 1984, *Synthesis of Seismicity and Geologic Data in California*, U.S. Geologic Survey Open File Report 84-424. Wesnousky, S.G., 1986, "Earthquakes, Quaternary Faults and Seismic Hazards in California", in *Journal of Geophysical Research*, Vol. 91, No. B12. Association of Bay Area Governments, 1995, *On Shaky Ground*; Greensfelder, R.W., 1974. Maximum Credible Rock Accelerations from Earthquakes in California. California Division of Mines and Geology, Map Sheet 23.