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	NNW	11 mi. NE	Historic (1989)	19 mm/year	7.1	7.1
	Mountains segment						
	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	NNW	14 mi. NE	Historic (1906)	19 mm/year	7.0	7.1
	segment						
	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

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.

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.

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