TABLE 4.3-1 ACTIVE AND POTENTIALLY ACTIVE EARTHQUAKE FAULTS NEAR PG&E'S FOSSIL-FUELED POWER PLANTS

Generating Station	Fault	Trend	Closest Segment	Last Movement	Slip Rate ^a	MPEb	мнес
Potrero	San Andreas, SF Peninsula segment	NNW	8 miles SW	Historic (1906)	19 mm/year	7.0	7.1
	Northern Hayward	NNW NNW	9 miles NE 17 miles SW	Historic (1836) Historic	9-15 mm/year NA	6.5-7.5 7.1	7.1 6.4
	San Gregorio (Seal Cove) Calaveras	NNW	22 miles E	Historic	13-17 mm/year	6.0	6.9
	Rodgers Creek	NNW	26 miles NE	Holocene	6-10 mm/year	5.7	7.1
Pittsburgh	Greenville	NNW	5 miles SW	Historic	NA	7.1	5.9
	Concord-Green Valley	NNW	8 miles W	Holocene	4 mm/year	7.1	2-3
	Antioch	NNW	9 miles E	Historic	NA	6.5	6.0
	Calaveras	NNW	20 miles SE	Historic	13-17 mm/year	6.0	6.9
	Northern Hayward	NNW	23 miles SW	Historic (1836)	9-15 mm/year	6.5-7.5	7.1
	Rodgers Creek	NNW	29 miles N	Holocene	6-10 mm/year	5.7	7.1
	San Andreas, SF Peninsula segment	NNW	40 miles NE	Historic (1906)	19 mm/year	7.0	7.1
Contra Costa	Antioch	NNW	1 miles E	Historic	NA	6.5	6.0
	Greenville	NNW	9 miles W	Historic	NA	7.1	5.9
	Concord-Green Valley	NNW	16 miles SW	Holocene	4 mm/year	7.1	2-3
	Calaveras	NNW	20 miles SW	Historic	13-17 mm/year	6.0	6.9
	Northern Hayward	NNW	24 miles SW	Historic (1836)	9-15 mm/year	6.5-7.5	7.1
	Rodgers Creek	NNW	35 miles NW	Holocene	6-10 mm/year	5.7	7.1
	San Andreas, SF Peninsula segment	NNW	46 miles SE	Historic (1906)	19 mm/year	7.0	7.1

^a Slip Rate = data indicating the amount of surface displacement in millimeters 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*.

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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.

Jennings, C.W., 1994, Fault Activity Map of California and Adjacent Areas with Locations and Ages of Recent Volcanic Eruptions.

California Division of Mines and Geology, Geologic Data Map No. 6.

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.