

Table B.3.6-2. Significant Active and Potentially Active Faults within 50-miles of the Proposed Project

Fault Name	Distance ^a (miles)	Closest Project Component(s)	Estimated Maximum Magnitude ^b
Little Lake fault zone	0	Proposed fiber optic transmission line crosses in several locations; Downs Substation Expansion located approximately 730 feet northeast of closest segment	6.9
Southern Sierra Nevada fault	4.4	East of the Inyokern Substation, Haiwee Reservoir section is closest section to the fault	7.5
Garlock fault zone	8.5	South of the Inyokern-McGen-Searles No. 1 115-kV subtransmission line alignment	7.3
Tank Canyon fault	8.8	East of the Inyokern-McGen-Searles No. 1 115-kV subtransmission line alignment, 9.2 miles east of the Searles Substation	6.4
Airport Lake fault zone	9.7	North of the Inyokern-McGen-Searles No. 2 115-kV subtransmission line alignment	5.5-6.5 ^c
Panamint Valley fault zone	13.7	East of the McGen Substation	7.4
Blackwater fault zone	14.1	South of the Inyokern-McGen-Searles No. 1 115-kV subtransmission line alignment	7.1
Lenwood-Lockhart fault zone	25.0	South of the Inyokern-McGen-Searles No. 1 115-kV subtransmission line alignment	7.5
Gravel Hills-Harper Lake fault zone	29.1	South of the Inyokern-McGen-Searles No. 1 115-kV subtransmission line alignment	7.1
Helendale-South Lockhart fault zone	31.5	South of the Inyokern-McGen-Searles No. 1 115-kV subtransmission line alignment	7.4
Southern Death Valley fault zone	38.7	East of the McGen Substation	6.9-7.3
White Wolf fault	45.0	West of the Inyokern Substation	7.2

Notes:

(a) Fault distances obtained from USGS GIS Quaternary fault data (USGS and CGS, 2006).

(b) Maximum Earthquake Magnitude – the maximum earthquake that appears capable of occurring under the presently known tectonic framework, magnitude listed is “Ellsworth-B” magnitude from USGS OF08-1128 (Documentation for the 2008 Update of the United States National Seismic Hazard Maps) unless otherwise noted.

(c) Fault parameters from the Southern California Data Center website (SCEDC, 2011a).