The California Electrical Code requires the installation of service equipment with overcurrent protective devices with a short circuit current rating equal to, or not less than, the available fault current provided by SDG&E (Utility), and when applicable, the contribution to fault current from customer's motor contribution.

The Utility's maximum contribution to fault current is stated as follows:

1. Residential – Applicable to a single-family residence or duplex as defined in Rule 1 (which may include a house meter for a total of 3 meters), multi-family residential service consisting of 3 or more dwelling units, or a mobile home; also applicable to service used in common for residential purposes in a multi-family dwelling, on a single premises, whether separately metered or combined with service to an individual dwelling unit. The Utility's contribution to the available fault current at the point of connection of service conductors to the customer's facilities will not exceed the values listed in Table 1.

TABLE 1

Phase	Serving Voltage (volts)	Service Entrance Ampacity (amps)	Utility's Contribution to Fault Current Will Not Exceed (amps)
1Ø	120/240	225 or less	10,000
1Ø	120/240	226 – 600	22,000
1Ø	120/208	200 or less	42,000
1Ø*	120/240	800	42,000
3Ø	120/240	600 or less (See Item 4)	42,000
3Ø	208Y/120	3,000 or less	42,000
3Ø	208Y/120	3,001 – 4,000	65,000

* Deviation required for 800 amps and above, single-phase, residential service requests.

Reference DM 6142.1.

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2. Non-Residential – Applicable to all non-residential occupancies such as, but not limited to, commercial, industrial, agricultural, governmental, educational institutions, hospitals, medical clinics, etc. The Utility's contribution to the available fault current at the point of connection of the Utility's service conductors to the customer's facilities will not exceed the values listed in Table 2.

TABLE 2

Phase	Serving Voltage (volts)	Service Entrance Ampacity (amps)	Utility's Contribution to Fault Current Will Not Exceed (amps)
1Ø	120/208	200 or less	42,000
1Ø	120/240	400 or less	42,000
1Ø	240/480	200 or less	10,000
3Ø	120/240	600 or less (See Item 4)	42,000
3Ø	208Y/120	3,000 or less	42,000
3Ø	208Y/120	3,001 – 4,000	65,000
3Ø	480	600 or less (See Item 5)	30,000
3Ø	480Y/277	2,000 or less	30,000
3Ø	480Y/277	2,001 – 3,000	45,000
3Ø	480Y/277	3,001 – 4,000	65,000

3. SDG&E's available fault current for medium and high voltage services will be calculated on an individual basis and will be quoted for both the initial and ultimate three-phase, line-to-line, and line-to-ground fault current values.

4. Maximum service panel size allowed to be served by a 120/240 volt, three-phase delta-connected transformer installation, overhead or underground, is 600 amps.

5. Maximum service panel size allowed to be served by an overhead 480 volt, three-phase delta-connected transformer installation is 600 amps.

Reference DM 6142.1.

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