

SECTION 15 **Fault Current**

15 – 1 General Information

The following tables provide the maximum fault currents available for common transformer sizes at RG&E. The values shown are approximations calculated on an infinite bus source basis and have been rounded to whole numbers. The calculation eliminates all source impedances and deals only with the distribution transformer serving the load. If exact fault current levels are needed, the company must be consulted to review and calculate on a case-by-case basis.

15 – 2 Network Services

The short circuit rating for the 120/208 volt network grid is 100,000 amperes. Refer to Section 6-Network Services for additional info.

15 – 3 Single Overhead and Padmount

1 Phase Transformers KVA	Max Available Fault Current 120/240v
10	4200
15	6300
25	10500
50	13900
75	20900
100	23200
167	34800

15 – 4 Three Phase Overhead

3 Phase Bank KVA	Max Available Fault Current	
	480Y/277v	208Y/120v
75	9100	20900
150	12100	27800
300	18100	41700
500	30100	69400

SECTION 15 **Fault Current**

15 – 5 Three Phase Padmount

3 Phase Bank KVA	Max Available Fault Current	
	480Y/277v	208Y/120v
75	9100	20900
150	15100	34700
300	30100	69400
500	40100	92600
750	18100	41700
1000	24100	-
1500	36100	-
2500	60200	-