

PSC No: 19 - Electricity
Rochester Gas and Electric Corporation
Initial Effective Date: June 1, 2003
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GENERAL INFORMATION

10. DISTRIBUTED GENERATION INTERCONNECTION REQUIREMENTS (Cont'd)

For Synchronous Machines:

Submit copies of the Saturation Curve and the Vee Curve
() Salient () Non-Salient
Torque: _____ lb-ft Rated RPM: _____
Field Amperes: _____ at rated generator voltage and current
and _____ % PF over-excited
Type of Exciter: _____
Output Power of Exciter: _____
Type of Voltage Regulator: _____
Direct-axis Synchronous Reactance (X_d) _____ ohms
Direct-axis Transient Reactance (X'_d) _____ ohms
Direct-axis Sub-transient Reactance (X''_d) _____ ohms

For Induction Machines:

Rotor Resistance (R_r) _____ ohms Exciting Current _____ Amps
Rotor Reactance (X_r) _____ ohms Reactive Power Required:
Magnetizing Reactance (X_m) _____ ohms _____ VARs (No Load)
Stator Resistance (R_s) _____ ohms _____ VARs (Full Load)
Stator Reactance (X_s) _____ ohms
Short Circuit Reactance (X''_d) _____ ohms Phases:
Frame Size: _____ Design Letter: _____ () Single
Temp. Rise: _____ OC. () Three-Phase

For Inverters:

Manufacturer: _____ Model: _____
Type: _____ () Forced Commutated () Line Commutated
Rated Output: _____ Amps _____ Volts
Efficiency: _____ %

Signature:

CUSTOMER SIGNATURE

TITLE

DATE

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