

PSC No: 20 - Electricity
Rochester Gas and Electric Corporation
Initial Effective Date: June 1, 2003

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GENERAL INFORMATION

14. 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 (Xd) _____ohms
Direct-axis Transient Reactance (X'd) _____ohms
Direct-axis Sub-transient Reactance (X''d) _____ohms

For Induction Machines:

Rotor Resistance (Rr)_____ohms Exciting Current _____Amps
Rotor Reactance (Xr)_____ohms Reactive Power Required:
Magnetizing Reactance (Xm)_____ohms _____VARs (No Load)
Stator Resistance (Rs)_____ohms _____VARs (Full Load)
Stator Reactance (Xs)_____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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