

PSC No: 19 - Electricity  
Rochester Gas and Electric Corporation  
Initial Effective Date: June 1, 2003  
Issued under the authority of the PSC in Case 03-E-0633, order effective May 23, 2003

Leaf No. 156  
Revision: 1  
Superseding Revision: 0

**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 (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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