

PSC NO: 220 ELECTRICITY
 NIAGARA MOHAWK POWER CORPORATION
 INITIAL EFFECTIVE DATE: APRIL 1, 2012
 STAMPS: Issued in Compliance with Order issued March 16, 2012 in Case No. 11-E-0321.

LEAF: 322
 REVISION: 4
 SUPERSEDING REVISION: 3

**NEW YORK STATE STANDARDIZED APPLICATION FOR ATTACHMENT OF PARALLEL GENERATION
 EQUIPMENT ABOVE 25 KW UP TO 2 MW TO THE ELECTRIC SYSTEM OF
 NIAGARA MOHAWK POWER CORPORATION D/B/A NATIONAL GRID**

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: _____ °C. () Three-Phase

For Inverters:

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

Signature:

 CUSTOMER/AGENT SIGNATURE

 TITLE

 DATE

Issued by Kenneth D. Daly, President, Syracuse, NY