

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