LEAF: 322 **REVISION: 2** 

PSC NO: 220 ELECTRICITY NIAGARA MOHAWK POWER CORPORATION INITIAL EFFECTIVE DATE: JULY 23, 2010 SUPERSEDING REVISION: 1 STAMPS: Issued in Compliance with Order issued July 15, 2010 in Case No. 10-E-0136.

## NEW YORK STATE STANDARIZED 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 <sub>d</sub> )ohms
Direct-axis Transient Reactance (X' <sub>d</sub> )ohms
Direct-axis Sub-transient Reactance (X" <sub>d</sub> )ohms
For Induction Machines: Rotor Resistance (R <sub>r</sub> )ohms Exciting CurrentAmps   Rotor Reactance (X <sub>r</sub> )ohms Reactive Power Required:   Magnetizing Reactance (X_r)ohms VARs (No Load)
Stator Resistance $(R_s)$ ohms VARs (Full Load) Stator Rescance $(X_s)$ ohms 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:AmpsVolts Efficiency:%
Signature:

CUSTOMER/AGENT SIGNATURE

TITLE

DATE