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**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 ($X_d$) _____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: _____$^{O}$C. ( )Three-Phase

**For Inverters:**

Manufacturer: _____ Model:
Type: ___ ( )Forced Commutated ( )Line Commutated
Rated Output: ____Amps _____Volts
Efficiency: _____%

**Signature:**

_____ _____ _____
CUSTOMER/AGENT SIGNATURE TITLE DATE



Cancelled by 1 Rev. Leaf No. 322 Effective 02/26/2010