APPENDIX C

Appendix C - Standardized Application For Non-Inverter Based Systems

LONG ISLAND LIGHTING COMPANY D/B/A LIPA
STANDARIZED APPLICATION
FOR INTERCONNECTION OF NON-INVERTER BASED DISTRIBUTED GENERATION EQUIPMENT
IN PARALLEL WITH THE LIPA DISTRIBUTION SYSTEM

CHECK IF: Standard SGIP Project _____ or Feed in Tariff Project _____

Customer:
Name: _____

Address (Street, City, State, ZIP): _____

Phone: (_____)_____Fax: (_____)_____Email: _____

LIPA Account Number: _____**Installation Address** (Street, City,

State, ZIP): _____**Applicant Organization**: _____

Applicant Contact:_____Title:_____

Address (Street, City, State, ZIP): _____

Phone: (_____)_____Fax: (_____)_____Email: _____

Agent (if any):

Agent Organization: _____

Agent Contact:_____Title: _____

Address (Street, City, State, ZIP): _____

Phone: (_____)_____Fax: (_____)_____Email:_____

Consulting Engineer or Contractor:

Organization: _____

Contact:_____Title: _____

Address (Street, City, State, ZIP): _____

Phone: (_____)_____Fax: (_____)_____Email: _____

Estimated In-Service Date:_____

Electric Service: Indicate if Existing_____or New Service _____

Capacity:_____Amperes_____Voltage:_____Volts Service Character: (__) Single Phase ( ) Three Phase Secondary 3 Phase Transformer Connection ( ) Wye ( ) Delta

Location of Protective Interface Equipment on Property: (include address if different from customer address) _____

APPENDIX C

Energy Producing Equipment Information:

Manufacturer:

Model No.: Version No.:

( ) Synchronous ( ) Induction ( ) Other (Define) _____

Rating: _____ kW Rating: _____ kVA

Rated Output: _____ VA Rated Voltage: _____ Volts

Rated Frequency: _____ Hz Rated Speed: _____ RPM

Efficiency: _____ % Power Factor: _____ %

Rated Current: _____ Amps Locked Rotor Current: _____ Amps

Synchronous Speed: _____ RPM Winding Connection: _____

Min. Operating Freq. /Time: _____

Generator Connection: ( ) Delta ( ) Wye ( ) Wye Grounded

System Tested to UL 1741 (most current version) (Total System):
( ) Yes ( ) No If no, attach product literature.

Equipment Tested to UL 1741 (most current version) (i.e., Protection System):
( ) Yes ( ) No

If no, attach product literature.

Three Line Diagram attached: ( ) Yes

Verification Test Plan attached: ( ) Yes

If applicable, Certification to UL 1741 attached: ( ) Yes

System total size _____kW AC

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:

APPENDIX C

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: ( ) Single Phase ( ) Three Phase

Frame Size: _____ Design Letter: _____

Temp. Rise: _____ °C

Step Up Transformer Winding Configuration:

( ) Wye-Wye ( ) Wye-Delta ( ) Delta-Wye

Other existing DG such as emergency generators, other renewable technologies, microturbines, hydro, fuel cells, battery storage, etc:

( ) Yes ( ) No

(If yes, provide information about existing generation on separate sheet and include detail on one-line diagram.)

Signature:

_____ _____ _____

CUSTOMER/AGENT SIGNATURE TITLE DATE