SMALL GENERATOR INTERCONNECTION REQUEST

APPLICATION FORM

Cooperative: _____

Designated Contact: _____

Address: _____

Telephone Number: _____

Fax: _____

Email Address: _____

GENERAL PROVISIONS

AN INTERCONNECTION REQUEST IS CONSIDERED COMPLETE WHEN THE INTERCONNECTION CUSTOMER PROVIDES ALL APPLICABLE AND CORRECT INFORMATION REQUIRED BELOW.

Processing Fee and Deposit:

There will be a non-refundable process fee of $500 for each interconnection request.
The Interconnection Customer shall submit to the distribution provider a deposit of $5,000 towards the cost of the feasibility study. If the total cost of the feasibility study is less than the deposit amount the remainder shall be refunded to the Interconnection Customer. If the total cost of the feasibility study is more than the deposit amount the Interconnection Customer shall be responsible for the remaining balance.

Site Control

Interconnection Customer shall have documentation reasonably demonstrating: (1) ownership of, a leasehold interest in, or a right to develop a site of sufficient size for the purpose of constructing the generating facility; (2) an option to purchase or acquire a leasehold site of sufficient size for such purpose; or (3) an exclusivity or other business relationship between Interconnection Customer and the entity having the right to sell, lease or grant Interconnection Customer the right to possess or occupy a site of sufficient size for such purpose.

Failure to demonstrate proper site control after submitting the request will be cause to terminate the interconnection request.

PART 1: OWNER/APPLICANT INFORMATION

Interconnection Customer

Name:_____

Mailing Address:_____

City:_____County:_____State:_____Zip Code:_____

Phone Number:_____Representative:_____

Email Address:_____ Fax Number:_____

PROJECT DESIGN/ENGINEERING (ARCHITECT) (as applicable)

Company:_____

Mailing Address:_____

City:_____County:_____State:_____Zip Code:_____

Phone Number:_____Representative:_____

Email Address:_____ Fax Number:_____

TYPE OF GENERATOR (as applicable)

Photovoltaic _____ Wind _____ Microturbine _____

Diesel Engine _____ Gas Engine _____ Combustion Turbine _____

Other _____

ESTIMATED LOAD, GENERATOR RATING AND MODE OF OPERATION INFORMATION

The following information is necessary to help properly design the Interconnection Customer's interconnection.

This information is not intended as a commitment or contract for billing purposes.

Total Site Load _____ (kW)

Residential _____ Commercial _____ Industrial _____

Generator Rating _____ (kW) Annual Estimated Generation _____ (kWh)

Mode of Operation

Isolated _____ Paralleling _____ Power Export _____

Will the small generating facility be used for any of the following?

Net Metering Yes____ No_____

To supply power to the Interconnection Customer Yes_____ No_____

To supply power to others Yes_____ No_____

For installations at locations with existing electric service to which the proposed small generating facility will interconnect, provide:

_____ _____

Local Electric Service Provider Existing Account Number

DESCRIPTION OF PROPOSED INSTALLATION AND OPERATION

Give a general description of the proposed installation, including a detailed description of its planned location, the date you plan to operate the generator, the frequency with which you plan to operate it and whether you plan to operate it during on or off-peak hours. Provide an 8760-generation analysis if power generation is renewable.

_____

_____

_____

_____

_____

_____

_____

_____

_____

PART 2: TECHNICAL INFORMATION

(Complete all applicable items. Copy this page as required for additional generators)

SYNCHRONOUS GENERATOR DATA

Unit Number: _____Total number of units with listed specifications on site: _____

Manufacturer: _____

Type: _____Date of manufacture: _____

Serial Number (each):_____

Phases: Single Three R.P.M.: _____ Frequency (Hz): _____

Rated Output (for one unit): _____Kilowatt _____Kilovolt-Ampere

Rated Power Factor (%): _____Rated Voltage (Volts): _____Rated Amperes: _____

Field Volts: _____ Field Amps: _____ Motoring power (kW): _____

Synchronous Reactance (Xd): _____% on _____KVA base

Transient Reactance (X'd): _____% on _____KVA base

Subtransient Reactance (X'd); _____% on _____KVA base

Negative Sequence Reactance (Xs): _____% on _____KVA base

Zero Sequence Reactance (Xo): _____% on _____KVA base

Neutral Grounding Resistor (if applicable):_____

_____

I_2^2t or K (heating time constant): _____

Additional information: _____

INDUCTION GENERATOR DATA

Rotor Resistance (Rr):_____ ohms Stator Resistance (Rs): _____ ohms

Rotor Reactance (Xr):_____ ohms Stator Reactance (Xs): _____ ohms

Magnetizing Reactance (Xm):_____ ohms Short Circuit Reactance (Xd"): _____ ohms

Design letter:_____ Frame Size: _____

Exciting Current:_____ Temp Rise (deg C): _____

Reactive Power Required:_____ Vars (no load), _____Vars (full load)

Additional information:_____

_____

PRIME MOVER (Complete all applicable items)

Unit Number: _____ Type: _____

Manufacturer: _____

Serial Number:_____ Date of manufacture: _____

H.P. Rated: _____ H.P. Max.: _____Inertia Constant: _____ lb.-ft.2

Energy Source (hydro, steam, wind, etc.) _____

_____

_____

GENERATOR TRANSFORMER (Complete all applicable items)

TRANSFORMER (between generator and utility system)

Generator unit number: _____ Date of manufacturer: _____

Manufacturer: _____

Serial Number: _____

High Voltage: _____ KV, Connection: delta wye Neutral solidly grounded?_____

Low Voltage: _____ KV, Connection: delta wye Neutral solidly grounded? _____

Transformer Impedance(Z): _____% on _____ KVA base.

Transformer Resistance (R): _____% on _____ KVA base.

Transformer Reactance (X): _____% on _____ KVA base.

Neutral Grounding Resistor (if applicable): _____

INVERTER DATA (if applicable)

Manufacturer: _____ Model: _____

Nameplate kVA _____

Rated Power Factor (%): _____Rated Voltage (Volts): _____ Rated Amperes: _____

Power Factor Lead_____ Lag_____

Inverter Type (ferroresonant, step, pulse-width modulation, etc): _____

Type commutation: forced line

Harmonic Distortion: Maximum Single Harmonic (%) _____

Maximum Total Harmonic (%) _____

Note: Attach all available calculations, test reports, and oscillographic prints showing inverter output voltage and current waveforms.

POWER CIRCUIT BREAKER (if applicable)

Manufacturer: _____Model: _____

Rated Voltage (kilovolts): _____Rated ampacity (Amperes)_____

Interrupting rating (Amperes): _____BIL Rating: _____

Interrupting medium / insulating medium (ex. Vacuum, gas, oil) _____ / _____

Control Voltage (Closing): _____ (Volts) AC DC

Control Voltage (Tripping): _____ (Volts) AC DC Battery Charged Capacitor

Close energy: Spring Motor Hydraulic Pneumatic Other: _____

Trip energy: Spring Motor Hydraulic Pneumatic Other: _____

Bushing Current Transformers: _____ (Max. ratio) Relay Accuracy Class: _____

Multi ratio? No Yes: (Available taps) _____

ADDITIONAL INFORMATION

In addition to the items listed above, please attach a detailed one-line diagram of the proposed facility, all applicable elementary diagrams, major equipment, (generators, transformers, inverters, circuit breakers, protective relays, etc.) specifications, test reports, etc., and any other applicable drawings or documents necessary for the proper design of the interconnection. Also, describe the project's planned operating mode (e.g., combined heat and power, peak shaving, etc.), and its address or grid coordinates.

SIGN OFF AREA

The Interconnection Customer agrees to provide the Cooperative with any additional information required to complete the interconnection. The Interconnection Customer shall operate his equipment within the guidelines set forth by the Cooperative.

I hereby certify that, to the best of my knowledge, all the information provided in this Interconnection Request is true and correct.

_____ _____

Interconnection Customer Date