



CPWS Application for Interconnection of Distributed Generation

TIER 2 (GREATER THAN 10 KW DC AND LESS THAN OR EQUAL TO 50 KW DC)

This application should be completed and returned to the Distributor representative in order to begin processing the request.

PART 1

CUSTOMER INFORMATION

Name: _____
Mailing Address: _____
City: _____ County: _____ State: _____ Zip Code: _____
Phone Number: _____ Representative: _____
Email Address: _____ Electric Service Account Number: _____
Fax Number: _____

PROJECT DESIGN/ENGINEERING (AS APPLICABLE)

Company: _____
Mailing Address: _____
City: _____ County: _____ State: _____ Zip Code: _____
Phone Number: _____ Representative: _____
Email Address: _____ Fax Number: _____
PE License: _____ State: _____

ELECTRICAL CONTRACTOR (AS APPLICABLE)

Company: _____
Mailing Address: _____
City: _____ County: _____ State: _____ Zip Code: _____
Phone Number: _____ Representative: _____
Email Address: _____ Fax Number: _____
Contractor's License #: _____ City/County/State: _____

TYPE OF GENERATOR (AS APPLICABLE)

Photovoltaic _____ Wind _____ Other _____

ESTIMATED LOAD AND GENERATOR RATING INFORMATION

The following information is necessary to help properly design the Distributor customer interconnection.

Total Site Load _____ (highest kW demand last 12 months)
Residential _____ Commercial _____ Industrial _____
System Rating _____ (kW) Annual Estimated Generation _____ (kWh)

PART 2

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

SYNCHRONOUS GENERATOR DATA

Identification per Single Line Drawing: _____
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 (Xd): _____ % on _____ KVA base
Negative Sequence Reactance (Xs): _____ % on _____ KVA base
Sequence Reactance (Xo): _____ % on _____ KVA base
Neutral Grounding Resistor Size (if applicable): _____
I22t 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 Co): _____
Reactive Power Required: _____ Vars (no load): _____
Vars (full load) Additional information: _____

PRIME MOVER (COMPLETE ALL APPLICABLE ITEMS)

Identification per Single Line Diagram: _____ Unit Number: _____
Type: _____
Manufacturer: _____
Serial Number: _____ Date of Manufacture: _____
H.P. Rated: _____ H.P. Max.: _____ Inertia Constant: _____ lb.-ft.2
Energy Source (hydro, wind, etc.) _____

INVERTER DATA (IF APPLICABLE)

Manufacturer: _____ Model: _____
Rated Power Factor (%): _____ Rated Voltage (Volts): _____ Rated Amperes: _____
Inverter Type (ferroresonant, step, pulse-width modulation, etc): _____
Single or Three Phase _____ Type Commutation: Forced _____ Line _____
Harmonic Distortion: Maximum Single Harmonic (%) _____ Maximum Total Harmonic (%) _____

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) _____
Description of Control System _____

ADDITIONAL INFORMATION – SINGLE LINE DIAGRAM

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, batteries, number and location of PV panels, etc.), specifications, test reports, etc., and any other applicable drawings or documents necessary for the proper design of the interconnection. Also describe the address or grid coordinates of the facility.

PERMISSION TO INTERCONNECT

Customer must not operate their generating facility in parallel with Distributor's system until they receive written authorization for parallel operation from Distributor. Unauthorized parallel operation could result in injury to persons and /or damage to equipment and/or property for which the customer may be liable.

END OF PART 2

SIGN OFF AREA

The customer agrees to provide the Distributor with any additional information required to complete the interconnection.

Applicant

Date

DISTRIBUTOR CONTACT FOR APPLICATION SUBMISSION AND FOR MORE INFORMATION:

Distributor Contact: _____

Title: _____

Address: _____

Phone: _____ Fax: _____

Email: _____