Schedule 4

LEVELS 2 AND 3 INTERCONNECTION REQUEST FORM SMALL GENERATING FACILITY LESS THAN 20 MW

Section 1. Interconnection Customer Information

Name:_____
Contact person:_____
Mailing address:_____
City, State, Zip:_____
Utility and account number:_____
Energy Service Provider and account number:_____
Facility address:_____
Telephone (Day):_____ (Evening):_____
Fax:_____ E-Mail:_____
Alternative contact information
Contact Name:_____
Title:_____
Mailing Address:_____
City, State, Zip:_____
Telephone (Day):_____ (Evening):_____
Fax:_____ E-Mail:_____
Application is for: New Small Generating Facility_____ Capacity addition____
If capacity addition to existing facility, please describe:
_____
The Small Generating Facility will supply: Interconnection Customer __ others __
Point of Interconnection:_____
Interconnection Customer's requested in-service date:_____

Section 2. Processing Fee or Deposit

If the Interconnection Request is submitted as Level 2, the nonrefundable processing fee payable to the utility is $500.

If the Interconnection Request is submitted as Level 3, the Interconnection Customer shall submit to the Utility the deposit is $1,000, or 50% of the estimated cost of the Feasibility Study, whichever is less.

Section 3. Small Generating Facility Information

Data apply only to the small generating facility, not the interconnection facilities.
Energy Source:___ Solar___ Wind___ Hydro___ Hydro Type:_____
Diesel___ Natural Gas___ Fuel Oil___ Other (describe)_____
Prime Mover: Fuel Cell____ Recip Engine____ Gas Turb____ Steam Turb____
Microturbine____ PV____ Other (describe)_____
Type of Generator: Synchronous_____ Induction_____ Inverter_____
Generator Nameplate Rating:_____ kW ___ Generator Nameplate kVAR:_____

Interconnection customer or customer-site load:_____kW

Typical reactive load:_____

Maximum physical export capability requested:_____ kW

List components of the small generating facility equipment package that are currently certified:

Equipment	Certifying Entity
1._____	1._____
2._____	2._____
3._____	3._____
4._____	4._____
5._____	5._____

Is the prime mover compatible with the certified protective relay package?
Yes____No____

Generator (or solar collector)
Manufacturer, model name & number:_____
Version Number:_____

Nameplate Output Power Rating in kW: (Summer)_____ (Winter)_____
Nameplate Output Power Rating in kVA: (Summer)_____ (Winter)_____

Individual Generator Power Factor
Rated Power Factor: Leading:_____ Lagging:_____

Total number of generators in wind farm to be interconnected pursuant to this Interconnection Request: Elevation:_____ Single phase___ Three phase___

Inverter manufacturer, model name & number:_____

List of adjustable set points for the protective equipment or software:_____

Note: A completed power systems load flow data sheet must be supplied with the Interconnection Request.

Small Generating Facility Characteristic Data (for inverter-based machines)

Max design fault contribution current:_____ Instantaneous___ or RMS_____
Harmonics characteristics:_____
Start-up requirements:_____

Small Generating Facility Characteristic Data (for rotating machines)

RPM Frequency:_____
Neutral Grounding Resistor (If Applicable):_____
Synchronous Generators:

Direct Axis Synchronous Reactance, X_d:_____ P.U.
Direct Axis Transient Reactance, X'_d:_____ P.U.
Direct Axis Subtransient Reactance, X''_d:_____ P.U.
Negative Sequence Reactance, X_2:_____ P.U.
Zero Sequence Reactance, X_0:_____ P.U.
KVA Base:_____
Field Volts:_____
Field Amperes:_____

Induction Generators:
Motoring Power (kW):_____
I^2t or K (Heating Time Constant):_____
Rotor Resistance, R_r:_____
Stator Resistance, R_s:_____
Stator Reactance, X_s:_____
Rotor Reactance, X_r:_____
Magnetizing Reactance, X_m:_____
Short Circuit Reactance, X_d''':_____
Exciting Current:_____
Temperature Rise:_____
Frame Size:_____
Design Letter:_____
Reactive Power Required In Vars (No Load):_____
Reactive Power Required In Vars (Full Load):_____
Total Rotating Inertia, H:_____ Per Unit on kVA base

Excitation and Governor System Data for Synchronous Generators Only:

Provide appropriate IEEE model block diagram of excitation system, governor system and power system stabilizer (PSS) in accordance with the regional reliability council criteria. A PSS may be determined to be required by applicable studies. A copy of the manufacturer's block diagram may not be substituted.

Section 4. Customer's Interconnection Facilities Information

Will a transformer be used between the generator and the point of interconnection ? Yes ____No ____
Will the transformer be provided by the interconnection customer? Yes ____No ____

Transformer Data (If applicable, for interconnection customer-owned transformer):
Is the transformer: single phase_____ three phase____ Size: kVA_____
Transformer Impedance:_____% on _____kVA base

If Three Phase:
Transformer Primary:_____ Volts _____ Delta _____ Wye _____ Wye Grounded
Transformer Secondary:___ Volts _____ Delta _____ Wye _____ Wye Grounded
Transformer Tertiary:_____ Volts _____ Delta _____ Wye _____ Wye Grounded

Transformer Fuse Data (If applicable, for interconnection customer-owned fuse):
(Attach copy of fuse manufacturer's minimum melt and total clearing time-current curves)
Manufacturer:_____ Type:_____ Size:_____ Speed:_____

Interconnecting Circuit Breaker (if applicable):
Manufacturer:_____ Type:_____
Load Rating (Amps):___ Interrupting Rating (Amps):___ Trip Speed (Cycles):___
Interconnection Protective Relays (If Applicable):

If microprocessor-controlled:

Manufacturer:_____ Type:_____

Model No. _____ Firmware ID:_____ Instruction Book No. _____

List of functions and adjustable setpoints for the protective equipment or software:

Setpoint Function	Minimum	Maximum
1._____	_____	_____
2._____	_____	_____
3._____	_____	_____
4._____	_____	_____
5._____	_____	_____
6._____	_____	_____

If Discrete Components:
(Enclose copy of any proposed time-overcurrent coordination curves)

Manufacturer:_____ Type:_____ Style/Catalog No.:_____ Proposed Setting:_____
Manufacturer:_____ Type:_____ Style/Catalog No.:_____ Proposed Setting:_____
Manufacturer:_____ Type:_____ Style/Catalog No.:_____ Proposed Setting:_____
Manufacturer:_____ Type:_____ Style/Catalog No.:_____ Proposed Setting:_____
Manufacturer:_____ Type:_____ Style/Catalog No.:_____ Proposed Setting:_____

Current Transformer Data (If applicable):
(Enclose copy of manufacturer's excitation and ratio correction curves)
Manufacturer:_____
Type:_____ Accuracy Class:_____ Proposed Ratio Connection:_____
Manufacturer:_____
Type:_____ Accuracy Class:_____ Proposed Ratio Connection:_____

Potential Transformer Data (If applicable):
Manufacturer:_____
Type:_____ Accuracy Class:_____ Proposed Ratio Connection:_____
Manufacturer:_____
Type:_____ Accuracy Class:_____ Proposed Ratio Connection:_____

Section 5. General Information

Enclose a copy of the site electrical one-line diagram showing the configuration of the small generating facility equipment, current and potential circuits, and protection and control schemes.

Enclose a copy of any site documentation that indicates the precise physical location of the proposed SGF (e.g., United States Geological Survey () topographic map or other diagram or documentation).

Describe the proposed location of the protective interface equipment on the property:_____

Enclose a copy of any site documentation that describes and details the operation of the protection and control schemes. Is available documentation enclosed? Yes____ No____

Enclose copies of schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable).

Are schematic drawings enclosed? Yes____ No____

Section 6. Interconnection Customer Signature

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

Signature:_____ Date:_____

Section 7. Utility Acknowledgement of Receipt

Signed:_____
Title:_____
Utility:_____
Date:_____

Utility signature signifies only receipt of this form, in compliance with 20VAC5-314-50 of the State Corporation Commission's Regulations Governing Interconnection of Small Electrical Generators.