

**APPENDIX B – WV INTERCONNECTION REQUEST FORM (LEVEL 2) (Over 25kw)**

Customer:

Name: \_\_\_\_\_ Phone:( )  
Address: \_\_\_\_\_ Municipality: \_\_\_\_\_

Consulting Engineer or Contractor:

Name: \_\_\_\_\_ Phone:( )  
Address: \_\_\_\_\_  
Estimated In-Service: \_\_\_\_\_

Existing Electric Service:

Capacity: \_\_\_\_\_ Amps 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) Attention:

Address: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

List interconnection components/system(s) to be used in the Small  
Generators Facility that are Certified

Component/System	NRTL Providing Label& Listing
1. _____	_____
2. _____	_____
3. _____	_____
4. _____	_____
5. _____	_____

*Please provide copies of manufacturer brochures or technical specification*

Energy Production Equipment/Inverter Information:

Synchronous                      Induction                      Inverter                      Other \_\_\_\_\_  
Rating: \_\_\_\_\_ kW                      Rating: \_\_\_\_\_ kVA  
Rated Voltage: \_\_\_\_\_ Amps  
System Type Tested (Total System):    Yes    No; attach product literature  
System Design Capacity: \_\_\_\_\_ (kW) \_\_\_\_\_ (kVA)

For Synchronous Machines:

150CSR33

Manufacturer: \_\_\_\_\_

Model No. \_\_\_\_\_ Version No. \_\_\_\_\_

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: \_\_\_\_\_

Locked Rotor Current: \_\_\_\_\_ Amps Synchronous Speed: \_\_\_\_\_ RPM

Winding Connection: \_\_\_\_\_ Min. Operating Freq./Time: \_\_\_\_\_

Generator Connection: Delta Wye Wye Grounded

Direct-axis Synchronous Reactance (Xd) \_\_\_\_\_ ohms

Direct-axis Transient Reactance (X'd) \_\_\_\_\_ ohms

Direct-axis Sub-transient Reactance (X''d) \_\_\_\_\_ ohms

For Induction Machines:

Manufacturer: \_\_\_\_\_

Model No. \_\_\_\_\_ Version No. \_\_\_\_\_

Locked Rotor Current: \_\_\_\_\_ Amps

Rotor Resistance (Rr) \_\_\_\_\_ ohms Exciting Current \_\_\_\_\_ Amps

Rotor Reactance (Xr) \_\_\_\_\_ ohms Reactive Power Required: \_\_\_\_\_

Magnetizing Reactance (Xm) \_\_\_\_\_ ohms \_\_\_\_\_ VARs (Full Load)

Stator Reactance (Rs) \_\_\_\_\_ ohms \_\_\_\_\_ VARs (Full Load)

Stator Reactance (Xs) \_\_\_\_\_ ohms

Short Circuit Reactance (X''d) \_\_\_\_\_ ohms

Phases: Single Three-Phase

Frame Size: \_\_\_\_\_ Design Letter: \_\_\_\_\_ Temp. Rise: \_\_\_\_\_ O C.

For Inverter Based Facilities:

Inverter:

Manufacturer: \_\_\_\_\_ Model: \_\_\_\_\_

Type: Forced Commutated Line Commutated

Rated Output \_\_\_\_\_ Amps \_\_\_\_\_ Volts

Efficiency \_\_\_\_\_ % Power Factor \_\_\_\_\_ %

DC Source/Prime Mover:

Solar Wind Hydro Other \_\_\_\_\_

Rating: \_\_\_\_\_ kW Rating: \_\_\_\_\_ kVA

Rated Voltage: \_\_\_\_\_ Volts

Open Circuit Voltage (If applicable): \_\_\_\_\_ Volts

Rated Current: \_\_\_\_\_ Amps

Short Circuit Current (If applicable): \_\_\_\_\_ Amps

**150CSR33**

Other Facility Information

The following items must be attached to this form to be considered complete:

One Line Diagram attached:	Yes	No
Plot Plan attached:	Yes	No
Installation Test Plan attached:	Yes	No

Customer Signature:

\_\_\_\_\_

CUSTOMER

\_\_\_\_\_

TITLE

\_\_\_\_\_

DATE