

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

Customer:

Name: _____ Phone: (____) _____
 Address: _____ Municipality: _____
 Account Number: _____

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
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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)		

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For Synchronous Machines:

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 _____ %
Inverter Certification¹ (Click all that apply) UL1741-SA UL1741-SB Other
(Attach explanation)
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

¹Utility specified settings file must be installed on all IEEE-1547-2018/UL1741-SB certified inverters, see interconnection website for details. The applicant may provide evidence of CA Rule 21/UL1741SA and/or IEEE-1547-2018/UL1741SB test certification with this application and may be required to do so if certification documentation is not readily available.

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Other Facility Information

Is this system part of a PPA (Power Purchase Agreement)? Yes No (If yes, please attach a copy of the PPA)

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

Only submit this page for systems with: **Battery Storage**

Battery Information:

*Manufacturer: _____

*Model Number of Battery: _____

*Battery Max Output: _____ kW AC DC

*Battery Storage Capacity: _____ kWh

*Number of Batteries: _____

(Attach additional sheets as necessary in the event of multiple units of various types / sizes)

Customer Signature

I hereby certify that all of the information provided in this application request form is true.

*Customer Generator Signature: _____

*Title: _____

*Date: _____