Non-Export DER Interconnection Application

Persons interested in applying for the interconnection of a distributed energy resource (DER) to the Area EPS Operator's (Utility's) distribution system through the Non-Export Process are to fill out this Non-Export Interconnection Application. The Non-Export Interconnection Application is to be used for inverter-based DER technologies with the Capacity Rating of 100 kW AC or less and is to be filled out completely by the applicant. The Non-Export Application shall be returned to the Utility with the requested material information. No application fee is required for a Non-Export Application.

- Upon receipt of a Non-Export Interconnection Application the Utility has ten (10) Business Days to review the application for completeness.
- If the application is deemed incomplete, the Utility shall notify the Applicant of what additional information material is required.
- The Applicant has five (5) Business Days to return the missing information material or their application may lose its queue position and be deemed withdrawn.
- The Utility shall have a total of twenty (20) Business Days to review the Non-Export Interconnection Application, not including time waiting for additional information material to deem the application completed.
- The Utility will notify the Application if the proposed DER system is preliminary approved for interconnection or if the proposed DER system will need to be moved in the Fast Track Process.

Section that are noted with * are required to be filled out.

Checklist for Submission to Area EPS Operator	
The items below shall be included with submittal of the Interconnection Application to the Area EPS Operator. Failure to include all items will deem the Interconnection Application incomplete.	
	Included
Non-refundable processing fee	None required
One-line diagram • Please see Area EPS Operator's Technical Specification Manual (TSM) for more details.	☐ Yes
Documentation showing site control.	☐ Yes
Site Diagram showing DER system layout (See TSM for more details)	☐ Yes
Non-export documentation of the DER system.	☐ Yes
<u>Possible Additional Documentation (See TSM for more details)</u> • Documentation describing how the Capacity Rating is not the same as the Nameplate Rating, (if applicable). • Schematic drawings for all protection and control circuits, relay current circuits, relay potential circuits, and alarm/monitoring circuits (if applicable). • Documentation that describes and details the operation of protection and control schemes (if applicable). • Inverter specification sheet(s) (if applicable).	

Interconnection Customer/Owner *

Full Name (match name of electric service account, if applicable)**:**	
Account Number:	**Meter Number:**
Mailing Address:	
Email:	**Phone:**

Application Agent *

Is the Customer using an Application Agent for this application? ☐ Yes ☐ No	
If Interconnection Customer is not using an Applicant Agent, please continue to next section.	
Application Agent:	
Company name:	
Email:	Phone:

DER Location *

Is the proposed DER system to be located at the Interconnection Customer's mailing address: ☐ Yes ☐ No
If Yes, please continue to the next section.
If No, will the proposed DER system be interconnected to an existing electric service? ☐ Yes ☐ No
Please provide the address or GPS coordinates:
If not an existing service, please state the proposed service entrance size (amps):

General *

Choose one of the following and provide applicable data:	
☐ Application is for a new DER	
Aggregate DER nameplate rating of all generation and storage types (kW_{ac}):	
☐ Application is for a capacity addition to an existing DER	
Capacity of existing DER (kW_{ac}):	Capacity proposed to be added (kW_{ac}):
☐ Application is for a Material Modification to an existing DER	
If Material Modification to existing facility, please describe:	
Type of generator (check all that apply): ☐ Inverter	☐ Induction or synchronous
Installed DER system cost (before incentives): $	

Interconnection Facilities Information

What type of DER interconnection/transfer method is proposed?

☐ None (DER is never operating parallel with the distribution system)

☐ Extended parallel/continuous (The normal state of the DER is to operate parallel with the distribution system.)

☐ Limited (DER operated parallel with the distribution system for a short time). Please specify what type of Limited.

☐ Quick closed (100msec parallel or less) ☐ Limited parallel (2 minutes or less)

Will a transfer switch be used with the DER? ☐ Yes ☐ No		
Manufacturer:	Model:	Load rating (in amps):
Will a transformer, owned by the Interconnection Customer, be used between the DER and the Point of Common Coupling?		☐ Yes ☐ No
Please show proposed location of protective interface equipment on property on the submitted site diagram.		

Distributed Energy Resource Information

Phase configuration of Distributed Energy Resource(s): ☐ Single-phase ☐ Three-phase

DER Type (Check all that apply and list aggregate capacity of each type):

☐ Solar Photovoltaics	Size (kW_{ac}):	☐ Wind	Size (kW_{ac}):
☐ Storage	Size (kW_{ac}):	☐ Diesel	Size (kW_{ac}):
☐ Natural Gas	Size (kW_{ac}):	☐ Fuel Oil	Size (kW_{ac}):
☐ Hydro Type	Size (kW_{ac}):	☐ Other	Size (kW_{ac}):
Please specify other:			

Capacity Rating

Is the DER system's Capacity Rating to produce at the Point of DER Connection (PoC) the same as the Nameplate Rating: ☐ Yes ☐ No

If Yes, please continue with the next section.

If no, what is the Capacity Rating of the DER system (kW_{ac}):

Is the Nameplate Rating being limited to the Capacity Rating by certified inverter settings? ☐ Yes ☐ No

If yes, are <u>*all*</u> of the DER's inverters being modified for limiting capacity? ☐ Yes ☐ No

If no, please specify which inverters will be modified and which inverters will not:

Please attach a PDF detailing how the DER system's Capacity Rating is determined.

Method of Non-Export *

What method will be used to ensure non-export of power from the DER system to the Area EPS?

- ☐ Isolation (DER is never operating parallel with the distribution system)
- ☐ Reverse-power protection device: device installed to measure any export of power and trip the DER system or open an inter-tie to isolate the DER system. (Please see TSM for sensitivity levels)
- ☐ DER equipment certified as UL 1741 SB or UL 1741 SC and meeting inadvertent export requirements listed in the TSM.
- ☐ Power control system with the operating mode certified to UL 3141. (Please see TSM for response requirements).
- ☐ Other

Please upload documentation explaining how the proposed system will non-export to the distribution grid.

Safeguards/Assurances

Can the DER system settings for DER system's Capacity Rating or the DER system's Export Capacity be modified by the DER system owner: ☐ Yes ☐ No

If no, please specify what protocols are in place to prevent the DER system owner from modifying the DER system's capacity limiting settings:

Fill out all following sections which pertain to the proposed DER installation

Inverter Interconnected System Information – non-ESS (if applicable)

Aggregate inverter rating (kW_{ac}):	**Number of Total Inverters:**
Phase configuration of inverter(s): ☐ Single-phase ☐ Three-phase	
Voltage of inverter(s):	
Inverter manufacturer:	
1. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW AC):	Number of Units of this Model:
2. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW AC):	Number of Units of this Model:
3. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW AC):	Number of Units of this Model:
4. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW AC):	Number of Units of this Model:

Energy Storage System Information (if applicable)

ESS Inverter Energy Rating (kWh AC):	**ESS Inverter Capacity Rating (kW AC):**
How will the ESS be used? Select all Use Cases that apply. ☐ Outage protection/backup power ☐ Demand reduction ☐ No export ☐ Time-of-use energy management ☐ Increased self-consumption ☐ Other	
Please specify other:	
What Operating Mode will be used? Select only one Operating Mode. ☐ Import only ☐ Export only ☐ No exchange ☐ Unrestricted exchanged	
If Export Only is Checked, select all that apply. ☐ ESS export is allowed ☐ Solar export is allowed ☐ Limited export is allowed (please specify export limit amount in kW):	
Is the ESS recharging limited to certain times of the day and/or after a power outage? ☐ Yes ☐ No If Yes, please explain:	
If the ESS shares an inverter that is listed in the previous section, please skip the rest of this section.	
Aggregate ESS inverter rating (kW_{ac}):	**Total number of ESS inverters:**
Phase configuration of ESS inverter(s): ☐ Single-phase ☐ Three-phase	
Voltage of ESS inverter(s):	
ESS inverter manufacturer:	
1. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW_{ac}):	Number of Units of this Model:
2. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW_{ac}):	Number of Units of this Model:
3. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW_{ac}):	Number of Units of this Model:
4. Model no.	Certification ☐ UL 1741-SA ☐ UL 1741-SB ☐ UL 1741-SC
Inverter Rating (kW_{ac}):	Number of Units of this Model:

Power Control System Information (if applicable)

PCS manufacturer:	
Model no.	**Certification of operating mode** ☐ UL 3141 ☐ UL 1741-PCS
Is the PCS combined with an inverter: ☐ Yes ☐ No	
If the PCS is combined with an inverter that is listed in the previous section, please skip the rest of this section.	
What operating mode will be used? Select only one operating mode. ☐ Import only ☐ Export only ☐ No exchange ☐ Unrestricted exchanged	
If Export Only is Checked, please choose from the following: ☐ ESS Export is allowed ☐ Solar export is allowed ☐ Any export is allowed ☐ Limited export is allowed (please specify export limit amount in kW):	

Electric Vehicle System Information (if applicable)

Can the electric vehicle provide backup power to the electrical service? ☐ Yes ☐ No

If Yes, please fill out the transfer switch information section under Interconnection Facilities Information

Number of chargers:	**Are all chargers identical?** ☐ Yes ☐ No ☐ N/A

If Yes, please only fill out the first section of EV Charger information

1. EV charger manufacturer:

Model no.:	**Charger total power (kW_{ac}):**
Phase configuration of charger: ☐ Single-phase ☐ Three-phase	
EV charger level: ☐ Level 1 ☐ Level 2 ☐ Level 3 (DC fast charging)	
Voltage of charger: ☐ 120 V ☐ 208 V ☐ 240 V ☐ Other - Please list:	
Charger amps (A):	**Circuit amps (A):**

2. EV charger manufacturer:

Model no.:	**Charger total power (kW_{ac}):**
Phase configuration of charger: ☐ Single- phase ☐ Three- phase	
EV charger level: ☐ Level 1 ☐ Level 2 ☐ Level 3 (DC fast charging)	
Voltage of charger: ☐ 120 V ☐ 208 V ☐ 240 V ☐ Other - Please List:	
Charger amps (A):	**Circuit amps (A):**

3. EV charger manufacturer:

Model no.:	**Charger total power (kW_{ac}):**
Phase configuration of charger: ☐ Single- phase ☐ Three- phase	
EV charger level: ☐ Level 1 ☐ Level 2 ☐ Level 3 (DC fast charging)	
Voltage of charger: ☐ 120 V ☐ 208 V ☐ 240 V ☐ Other - Please List:	
Charger amps (A):	**Circuit amps (A):**

*Interconnection Agreement **

Propose DER interconnections that are also deemed Qualifying Facilities less than 40 kW AC under are eligible to sign the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities. Included in this agreement are payment terms for excess power generated by the proposed DER system the Utility may purchase. In lieu of the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities, the Interconnection Customer may choose to instead signed the Utility's Distribution Interconnection Agreement.

The Interconnection Customer request an Interconnection Agreement to be executed in lieu of the Utility's Uniform Contract for Cogeneration and Small Power Production Facilities.	☐ Yes ☐ No

*Acknowledgements – Must be completed by Interconnection Customer **

	Initials
The Interconnection Customer has opportunities to request a timeline extension during the interconnection process. Failure by the Interconnection Customer to meet or request an extension as for a timeline outlined in the Interconnection Process could result in a withdrawn queue position and the need to re-apply.	
Propose DER interconnection to the Utility's distribution submitted under the Non-Export Process may be moved into the Simplified or Fast Track Process if non-export controls are found not in compliance during the Interconnection Application review. Applicable application fees will be applied if process track is changed.	

*Application Signature – Must be completed by Interconnection Customer **

I designate the individual or company listed as my Application Agent to serve as my agent for the purpose of coordinating with the Area EPS Operator on my behalf throughout the interconnection process.

_____
Initials

I hereby certify that, to the best of my knowledge, the information provided in this Interconnection Application is true, and that I have appropriate Site Control in conformance with the Interconnection Process. I agree to abide by the terms and conditions of the Interconnection Process and will inform the Utility if the proposed DER system changes from the details listed in this Interconnection Application.

_____ _____

Applicant Signature: Date:

*****Please print clearly or type and return completed along with any additional documentation*****