

PART 3. INTERCONNECTION APPLICATION

Application No. _____

Customer-Owned Generation Facility 150 kW_{AC} or Less

This Application for Interconnection of a Customer-Owned Generation Facility with a design capacity of 150 kW_{AC} or less is considered complete when it provides all applicable and correct information required below. The Utility may require additional information or clarification to evaluate the Interconnection Application.

Processing Fee

☐ A non-refundable processing fee of \$300 plus \$1.00 per kW of the applicants nameplate rating for all kW above 25 kW must accompany this Application.

Customer

Name: _____ Utility Account Number: _____

Address: _____

Town: _____ State: _____ Zip: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

Is the Generation Facility owned by the Customer listed above? ☐ Yes ☐ No

Contact (if different from Customer)

Name: _____

Address: _____

Town: _____ State: _____ Zip: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

Description of Proposed Installation and Operation

Give a general description of the proposed installation, including how you plan to operate the Generation Facility.

Generation Facility Information

Location (if different from above): _____

Energy Source: ☐ Solar ☐ Wind ☐ Battery/Storage ☐ Other _____

Total Nameplate Rating: (kW) _____ (kVA) _____

Generation Facility Capacity: (kW_{AC}) _____ (kVA_{AC}) _____

Generation Facility Output: (kWh-annual) _____

Single Phase _____ Three Phase _____

Inverter Data

Manufacturer: _____ Model: _____

Rate Power Factor (%): _____ Rated Voltage (Volts): _____ Rated Amperes: _____

Inverter Type (square wave, modified sine wave, pure sine wave): _____

Harmonic Distortion: Maximum Single Harmonic (%) _____

Maximum Total Harmonic (%) _____

Note: Attach all available calculations, test reports, and specification sheets

Prime Mover (Solar, Wind, etc.)

Unit Number: _____ Type: _____

Manufacturer: _____

Serial Number: _____

Is the Generation Facility equipment UL 1741 certified and IEEE 1547 compliant? ☐ Yes ☐ No

[Note: Requires a Yes for an application to be considered complete.]

If Yes, attach manufacturer's documentation and technical specification sheet showing UL 1741 certification

Have all necessary government permits and approvals been obtained for the project prior to this application?

☐ Yes ☐ No [Note: Requires a Yes for an application to be considered complete.]

Utility Accessible Exterior Generation Facility AC Disconnect Switch Provided (Required) ☐ Yes ☐ No

Location of Utility Accessible Exterior Generation Facility AC Disconnect Switch _____

(e.g. Two feet west of electric meter)

Estimated Installation Date: _____ Estimated Commercial Operation Date: _____

List components of the Generation Facility equipment package:

Equipment Type

Certifying Entity

1. _____

2. _____

3. _____

4. _____

Equipment Installation Contractor: **Indicate by owner if applicable** ☐

Name: _____
Mailing Address: _____
Town: _____ State: _____ Zip Code: _____
Contact Person (If other than Above): _____
Telephone (Daytime): _____ (Evening): _____
Facsimile Number: _____ E-Mail Address: _____

Electrical Contractor: (As Applicable) **Indicate if not applicable** ☐

Name: _____
Mailing Address: _____
Town: _____ State: _____ Zip Code: _____
Contact Person (If other than Above): _____
Telephone (Daytime): _____ (Evening): _____
Facsimile Number: _____ E-Mail Address: _____

Consulting Engineer: (As Applicable) **Indicate if not applicable** ☐

Name: _____
Mailing Address: _____
Town: _____ State: _____ Zip Code: _____
Contact Person (If other than Above): _____
Telephone (Daytime): _____ (Evening): _____
Facsimile Number: _____ E-Mail Address: _____

Provide a one line diagram of the Generation Facility. The one line diagram is a basic drawing of an electric circuit in which one or more conductors are represented by a single line and each electrical device and major component of the installation, from the Generation Facility to the Interconnection Point, are noted by symbols. See attached example.

For this application to be considered complete, adequate documentation and information must be submitted that will allow Utility to determine the impact of the Generation Facility on Utility's Electric Distribution System and to confirm compliance by Customer with the provisions set forth in the Interconnection Standards and other applicable requirements. Typically this should include the following:

1. Single-line diagram of the Customer's system showing all electrical equipment from the generator to the Interconnection Point with Utility's Electric Distribution System.
2. Site Plans showing the physical location of major equipment.
3. Relevant ratings of equipment.
4. If protective relays are used, settings applicable to the interconnection protection. If programmable relays are used, a description of how the relay is programmed to operate as applicable to interconnection protection.
5. For Certified equipment, documentation confirming that a nationally recognized testing and certification laboratory has listed the equipment.
6. A description of how the Generation Facility will be operated including all modes of operation.

This application is subject to further consideration and study by Utility and the possible need for additional documentation and information from Customer.

Copies of specifications for all Generation Facility equipment (generators, inverters, protective relays, etc.), and any other applicable drawings or documents necessary for the proper design of the interconnection must be submitted with this Application.

Customer Signature

I hereby certify that, to the best of my knowledge, the information provided in this Interconnection Application is true. I agree to abide by the terms and conditions of the Utility's Interconnection Standards for Installation and Parallel Operation of Customer-Owned Renewable Electric Generation Facilities of 150 kW or Less and will return the Certificate of Completion to the Electric Utility when the Generation Facility has been installed and prior to commencing operation of said Generation Facility.

Signature: _____ Date: _____

-----**Utility Use**-----

Contingent Approval to Interconnect the Generation Facility

Interconnection of the Generation Facility is approved contingent upon Customer compliance with all of the terms and conditions of the Utility's Interconnection Standards and upon return of the Certificate of Completion prior to commencement of Commercial Operation of said Generation Facility.

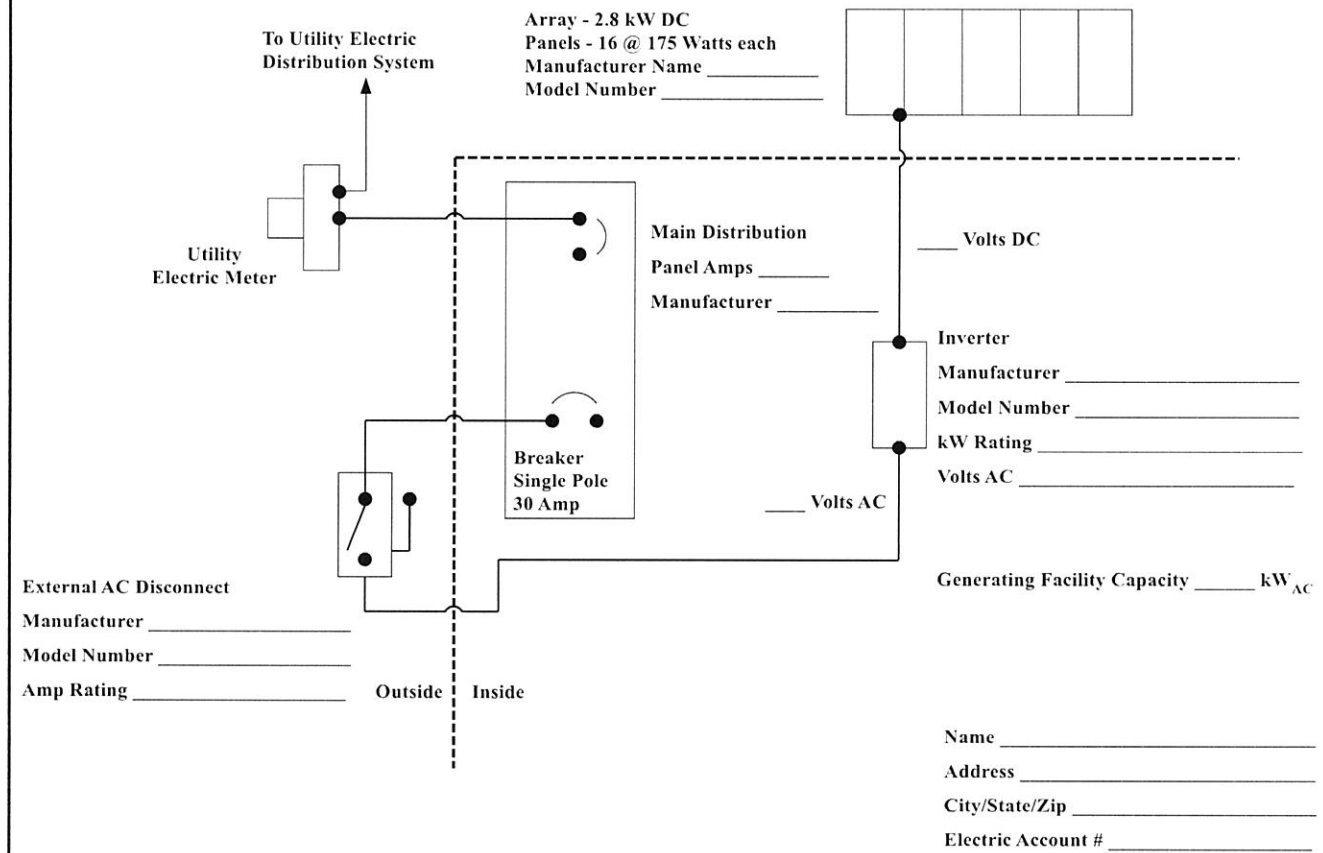
Utility Signature: _____

Title: _____ Date: _____

Application Number: _____

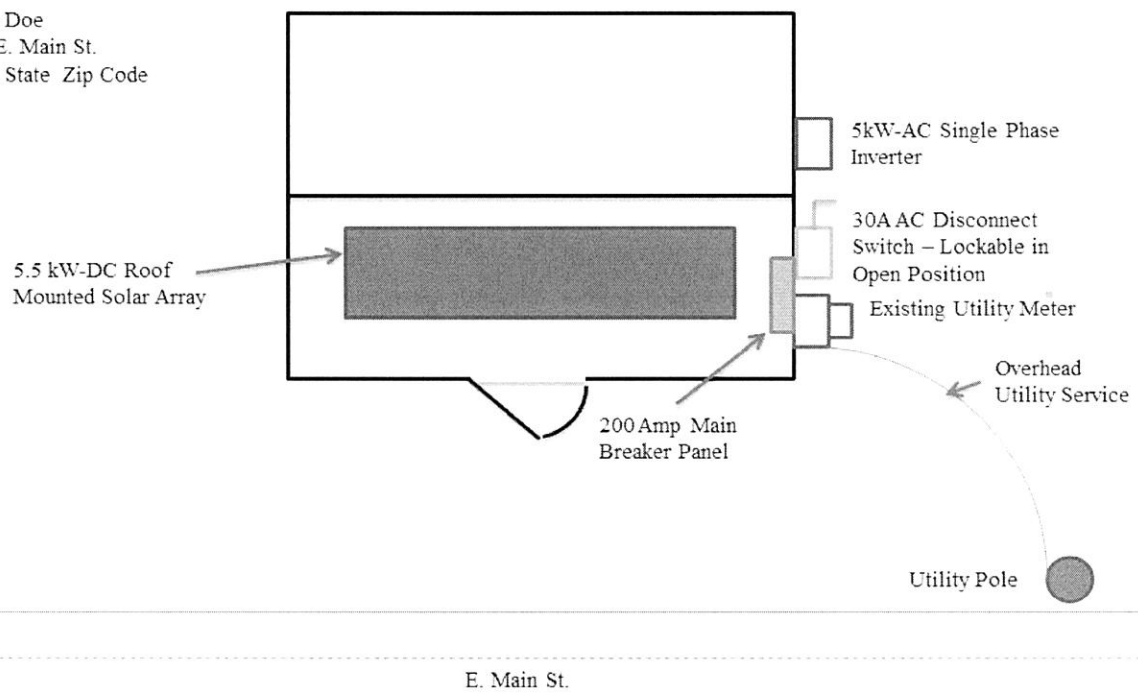
Utility waives inspection/witness test? ☐ Yes ☐ No Initial _____

One Line Diagram Example



Sample Site Layout

John Doe
111 E. Main St.
City, State Zip Code



PART 4. INTERCONNECTION AGREEMENT

Application No. _____

Village of Arcanum Electric Utility Customer-Owned Renewable Electric Generation Facility

This Agreement, (“**Agreement**”) is entered into by and between the Village of Arcanum Electric Utility (“**Utility**”) and _____, (“**Customer**”). The Customer electric account subject to this Agreement is Account Number _____. Customer and Utility are referenced in this Agreement collectively as “**Parties**” and individually as “**Party**.”

Recitals

WHEREAS, the Utility owns and operates an Electric Distribution System serving the Village of Arcanum, Ohio, and surrounding area;

WHEREAS, Customer owns or desires to install, own and operate a Utility-approved renewable, electric Generation Facility with a rated output of _____ kW_{AC}, interconnected with and operating in parallel with the Utility Electric Distribution System;

Agreement

NOW, THEREFORE, in consideration of the covenants and promises herein, the Parties mutually agree as follows:

1. SCOPE OF AGREEMENT:

This Agreement governs the terms and conditions under which the Generation Facility will interconnect with and operate in parallel with the Electric Distribution System.

2. DEFINITIONS:

The definitions used in this Interconnection Agreement are those found in Part 1, Section 2 of the Utility Interconnection Standards for Installation and Parallel Operation of Customer-Owned Renewable Electric Generation Facilities of 150 kW or Less.

3. PARALLEL OPERATION:

Customer shall not interconnect or commence parallel operation of the Generation Facility until written Approval to Energize the Generation Facility under Part 6 of these Interconnection Standards has been provided by the Utility. The Utility shall have the right to have representatives present during initial testing of the Generation Facility and its protective apparatus.

4. INTERCONNECTION COSTS:

Prior to commencement of System Upgrades that are required to allow interconnection of the Customer-owned Generation Facility, Customer shall deposit with the Utility an amount equal to the estimated cost of said System Upgrades. If the actual costs of said System Upgrades are less than the amount deposited by the Customer, the Utility shall refund the difference to the Customer within 60 days of completing said System Upgrades. If the actual costs of said System Upgrades exceed the amount deposited by the Customer, the Utility shall bill the Customer for the difference. Customer agrees to pay the invoiced amount within 30 days of the invoice date. The utility will supply, own, and maintain all necessary meters and associated equipment utilized for billing. In addition, and for the purposes of monitoring customer generation and load, the utility may install at its expense, load research metering. The customer shall supply, at no expense to the utility, a suitable location for meters and associated equipment used for billing and for load research. All costs related to installation of said meter or meters shall be borne by the Customer.

5. INTERRUPTION OR REDUCTION OF DELIVERIES:

The Utility may require the Customer to interrupt or reduce energy deliveries when the Utility determines, in its sole discretion, that curtailment, interruption or reduction is necessary because of maintenance, safety, emergency, Force Majeure or compliance with Prudent Utility Practice. No compensation or credit will be provided to the Customer by the Utility for such interruptions or reductions in energy deliveries.

6. ADVERSE OPERATING EFFECTS:

The interconnection of the Generation Facility shall not reduce the reliability and quality of Utility Electric Distribution System service. This includes, but is not limited to power quality issues such as Harmonic Distortion, Voltage Flicker and frequency deviations. The Utility shall notify the Customer as soon as practicable if, based on Prudent Utility Practice, operation of the Generation Facility causes disruption in or deterioration of service to other Utility electric customers or if operating the Generation Facility could damage the Electric Distribution System. If, after notice, the Customer fails to timely remedy the adverse operating effect, the Utility may disconnect the Generation Facility with no further notice.

7. COMPLIANCE WITH INTERCONNECTION STANDARDS REQUIREMENTS:

Customer has read the Utility Interconnection Standards for Installation and Parallel Operation of Customer-Owned Renewable Electric Generation Facilities of 150 kW or Less, as adopted by the Utility, and agrees to comply with all requirements included therein, including, but not limited to, all insurance and indemnity provisions identified in Paragraphs 13 and 14 of Part 2 therein.

8. ACCESS TO PREMISES:

The Utility shall have access to the Customer premises or property and to the Generation Facility's external AC generator disconnect switch as permitted in its policies, Rules and Regulations and Interconnection Standards.

9. GOVERNING LAW:

This Agreement shall be interpreted and governed under the laws of the State of Ohio, the Ordinances of the Village of Arcanum, and Utility Electric Rates and Regulations.

10. DOCUMENTS:

This Agreement incorporates all other provisions and related documents of these Interconnection Standards for Installation and Parallel Operation of Customer-Owned Renewable Electric Generation Facilities of 150 kW or Less as the same may be amended from time to time.

11. NOTICES:

All written notices shall be directed as follows:

Customer:

Name: _____

Address: _____

Town/State/Zip: _____

Village of Arcanum:

Name: _____

Title: _____

Town/State/Zip: _____

12. TERM OF AGREEMENT:

This Agreement shall be in effect when executed by the Customer and the Village of Arcanum Electric Utility and shall remain in effect thereafter month to month unless terminated in accordance with the provisions of Section 15 of "Part 2 Technical Requirements".

IN WITNESS WHEREOF, the Parties hereto have caused two originals of this Agreement to be executed by their duly authorized representatives. This Agreement is effective as of the last date set forth below.

Customer:

Signature

Print Name

Date

Village of Arcanum:

Signature

Print Name and Title

Date

PART 5. CERTIFICATE OF COMPLETION

Application No. _____

Village of Arcanum Electric Utility Customer-Owned Renewable Electric Generation Facility

Is the Generation Facility installed, tested and ready for operation? Yes _____ No _____

Customer: _____ Utility Account Number: _____

Address: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

Location of the Generation Facility (if different from above): _____

Has the Generation Facility been installed in accordance with all applicable building codes, permits and ordinances (if applicable)? Yes _____ No _____

Electrician/Service Company:

Name: _____

Address: _____

Town/State/Zip: _____

Telephone (Day): _____ (Evening): _____

Fax: _____ E-Mail Address: _____

License number: _____

Date electric Utility approved Interconnection Application: _____

Application Number: _____

Inspection:

The Generation Facility has been installed and inspected in compliance with all applicable electrical codes.

A copy of the signed electrical inspection form is attached. ☐ Yes ☐ No

(If inspection form is not attached)

Signature of Inspector:

Date

Printed name of Inspector

Insurance:

The Generation Facility is covered with an insurance policy as described in the Technical Requirements, 13 and 14 of Part 2. A copy of proof of insurance is attached. ☐ Yes ☐ No

PART 6. APPROVAL TO ENERGIZE GENERATION FACILITY

Application No. _____

Village of Arcanum Electric Utility
Customer-Owned Renewable Electric Generation Facility

The Village of Arcanum Electric Utility, having entered into an Interconnection Agreement for the Generation Facility described in the Application noted by number above and having received a Certificate of Completion with proper documentation of the electrical inspection hereby authorizes the Generation Facility to be energized:

Electric Utility Signature: _____

Title: _____ Date: _____

PART 7. RENEWABLE ELECTRIC GENERATION APPLICATION FOR SERVICE

Application No. _____

Village of Arcanum Electric Utility

Customer Name: _____

Service Address: _____

Town: _____ State: _____ Zip: _____

Utility Account Number: _____

Contact Person: _____

Telephone Number: _____

Address: _____

Town: _____ State: _____ Zip: _____

E-Mail Address: _____

This application is for electric service under the applicable Village of Arcanum Electric Utility (“Utility”) Rider for customer-owned parallel generation. The Customer elects to operate the Generation Facility defined in Utility Interconnection Standards for Installation and Parallel Operation of Customer-Owned Renewable Electric Generation Facilities of 150 kW or Less under the following rider:

Rider – Solar Renewable Parallel Generation ☐

The Generation Facility meets the definitions and requirements of said Interconnection Standards. Total rated output of the Generation Facility is _____ kW_{AC}. Customer acknowledges that he/she has read the applicable rider and agrees to all terms and conditions contained therein, including without limitation those specified in the Interconnection Standards for Installation and Parallel Operation of Customer-Owned Renewable Electric Generation Facilities of 150 kW or Less. Specifically, the Customer understands and agrees that an electric meter or meters capable of registering the flow of electricity in each direction must be in service at the Generation Facility. If a Utility-approved meter with this capability is not in service, Customer must submit a written request to the Utility to acquire, install, maintain, and read an approved meter at the Customer’s cost. All costs related to installation of said meter or meters shall be borne by the Customer.

Customer acknowledges that he/she understands and agrees to the applicable rider language and that rates are subject to change. Customer further acknowledges there shall be no “grandfathering” pertaining to rate schedule and rider rates and language of customers operating Utility approved Customer-owned Generation Facility.

Requested By:

Customer Name

Authorized Signature

Date

Approved By:

Name

Utility Signature

Date

Rejected:

Name

Utility Signature

Reason for Rejection

Date

Exhibit 1

Interconnection Service – Pre-application Request

I am considering the installation of a ____ kW_{AC} Generation Facility that will require interconnection service with Utility's Electric Distribution System. I am requesting a pre-application report for the site listed below. I understand the pre-application report will only include pre-existing data that is available as of the date it is prepared and that Utility is not obligated to conduct a study or other analysis in the event the data is not readily available. I also acknowledge the data is subject to change and may not be applicable at the time an interconnection service application is submitted. Enclosed is the \$300 nonrefundable pre-application request fee.

Please proceed with preparing the Interconnection Service Pre-application Report.

Account Number: _____

Street Address: _____

Town: _____

Print Customer Name: _____

Customer Signature: _____

Date: _____

Type of Generation: _____