

AES OHIO SIMPLIFIED APPLICATION FOR  
INTERCONNECTION UNDER THE SIMPLIFIED  
LEVEL 1 REVIEW PATH

SHORT APPLICATION FORM  
FOR INTERCONNECTION OF CERTIFIED INVERTER BASED GENERATION EQUIPMENT  
TWENTYFIVE KILOWATTS OR SMALLER TO THE ELECTRIC DISTRIBUTION SYSTEM

Electric Distribution Company: AES Ohio

Electric Distribution Company's Designated Contact Person:

AES OHIO  
Attn: AES Ohio Interconnection  
1065 Woodman Drive  
Dayton, OH 45432  
Phone: (800) 253-5801  
Email: [aesohiointerconnection@aes.com](mailto:aesohiointerconnection@aes.com)

Please complete all sections of the application and include all attachments. Depending upon the information you provide, more information may be required. If so, AES OHIO will contact you at that time.

Processing Fee:

The application fee is based on actual costs on time spent on the simplified review. The following fee has been filed with the Public Utilities Commission of Ohio:

Application Fee: \$50

**SECTION 1 – Applicant Information**

**1.1 Application Type**

- ( ) Existing Customer with Generation
- ( ) Existing Customer without Generation
- ( ) New Customer (No AES Ohio Account)

**1.2 Legal Name of the Applicant:**

Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: (\_\_\_\_) \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

**1.3 Applicant's Electric Service Customer Account Number:** \_\_\_\_\_

**1.4 Name and Address of the Applicant as it appears on the Applicant's electric bill**

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

**1.5 Proposed Generation Ownership (Please check one):**

- Customer owned
- Third Party owned

Explanation of ownership agreement: \_\_\_\_\_

**1.6 Do you seek to install an Energy Storage System (ESS), or batteries as part of this interconnection application to the AES Ohio distribution system?**

- Yes
- No

**1.7 Please select the ESS setup that suites this application**

- Stand-alone ESS with no Renewable Energy System
- Installing ESS and Renewable Energy System in the same application
- Add-on ESS to a previously installed/operating customer-generating facility
- N/A

**1.8 Will you be installing an EV**

- Yes  
If yes, please specify which type: \_\_\_\_\_  
Will it have the capability to power your home?  Yes  No
- No

**1.9 Net Metering**

- Check if you are applying to be a net metering customer
- If so, please attach the completed Net Metering Service Information Request form

**SECTION 2 – Contractor/Installer Information**

**2.1 Consulting Engineer or Contractor if applicable**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_

E-mail address: \_\_\_\_\_

**SECTION 3 – Generation Equipment and Customer Location Information**

**3.1 Energy Source (Please check one):**

- Solar \_\_\_\_\_
- Wind \_\_\_\_\_
- Hydro \_\_\_\_\_
- Diesel \_\_\_\_\_
- Natural Gas \_\_\_\_\_
- Fuel Oil \_\_\_\_\_

Other (please specify) \_\_\_\_\_

**3.2** Energy Converter Type:

- Photovoltaic \_\_\_\_\_
- Reciprocating Engine \_\_\_\_\_
- Fuel Cell \_\_\_\_\_
- Turbine \_\_\_\_\_
- Other \_\_\_\_\_

**3.3** Energy Production Equipment

- Inverter \_\_\_\_\_
- Synchronous \_\_\_\_\_
- Induction \_\_\_\_\_
- Other \_\_\_\_\_

**3.4** Is this proposed generation to be connected on the line or load side of the main service disconnect?

- Line Side (incoming) \_\_\_\_\_
- Load Side (outgoing) \_\_\_\_\_
- Line and Load Side \_\_\_\_\_

**3.5** Estimated In-Service Date: \_\_\_\_\_

**3.6** Existing Electric Service at the Customer's Location:

Please specify the size of the facility address' breaker panel: (A) \_\_\_\_\_  
 Service Capacitance: (Amps) \_\_\_\_\_  
 Service Voltage: (Volts) \_\_\_\_\_  
 Type of Service: ( ) Single Phase ( ) Three Phase  
 AES OHIO Rate #: \_\_\_\_\_

**3.7** Direction on Property of Protective Interface Equipment (e.g. "southwest corner of lot"):

\_\_\_\_\_

**3.8** Energy Producing Equipment Information:

Manufacturer: \_\_\_\_\_  
 Model No. \_\_\_\_\_  
 Version No. \_\_\_\_\_  
 Number of Devices: \_\_\_\_\_  
 Total DC kW of Proposed Facility: \_\_\_\_\_ kW DC  
 kVA Rating: \_\_\_\_\_ kVA Voltage Rating: \_\_\_\_\_ V

Total Generator Nameplate Rating kW (include all inverters if inverter-based system):

Expected kWh output of generation: \_\_\_\_\_

**3.9 Inverter Information:**

Manufacturer: \_\_\_\_\_  
 Model No. \_\_\_\_\_  
 Version No. \_\_\_\_\_  
 AC kW Rating of each Inverter: \_\_\_\_\_ kW AC  
 Number of Inverters (if more than one): \_\_\_\_\_  
 Total AC kW of Proposed Facility: \_\_\_\_\_ kW AC  
 Total kVA Rating: \_\_\_\_\_ kVA Voltage Rating: \_\_\_\_\_ V  
 Power Factor Settings Range: \_\_\_\_\_

Generator Nameplate Rating: \_\_\_\_\_ kW DC Rating: \_\_\_\_\_  
 Generator Nameplate KVAR: \_\_\_\_\_ AC Rating: \_\_\_\_\_

Is the inverter IEEE 1547 certified/listed? ( ) Yes ( ) No  
 Is the inverter UL 1741 certified/listed? ( ) Yes ( ) No

**SECTION 4 – Energy Storage System Information**

**4.1 Will the ESS/battery system share an inverter with the Renewable Energy System?**

( ) Yes  
 ( ) NO

Manufacturer: \_\_\_\_\_  
 Model: \_\_\_\_\_  
 Storage Type (i.e. NaS, Li-ion, Vanadium Flow, PB-Acid, etc.): \_\_\_\_\_

Battery Charge/Discharge Rating (kW AC): \_\_\_\_\_  
 Maximum Battery Charge/Discharge Rate (kW AC per second): \_\_\_\_\_  
 Battery Energy Capacity (kWh): \_\_\_\_\_  
 Power Factor Settings Range: \_\_\_\_\_

**4.2 ESS Inverter Manufacturer: \_\_\_\_\_**

ESS Inverter Model: \_\_\_\_\_  
 ESS Inverter Type: \_\_\_\_\_ Forced Commutated (Grid Forming) \_\_\_\_\_ Line Commutated (Grid Following)  
 ESS Inverter Rated Output (kW): \_\_\_\_\_  
 ESS Inverter Rated Output Voltage (V): \_\_\_\_\_  
 ESS Inverter Efficiency (%): \_\_\_\_\_  
 ESS Inverter Power Factor (%): \_\_\_\_\_  
 What is the DC Rated Voltage of the Inverter? (V) \_\_\_\_\_  
 What is the DC Rated Current of the Inverter? (A) \_\_\_\_\_  
 What is the DC Rated Power of the Inverter? (kW) \_\_\_\_\_  
 How many inverters will be used for connection with the ESS? \_\_\_\_\_  
 Power Factor Settings Range: \_\_\_\_\_

**SECTION 5 – Attachments**

**5.1** Please provide the following attachments:

- Testing results documenting conformance with the Company’s technical requirements
  - Documentation confirming that a nationally recognized testing and certification lab has listed the equipment
  - One Line Diagram (specific to Customer’s installation)
  - Installation Test Plan
  - Equipment Manufacturer’s Recommended Maintenance Schedule
  - Site diagram showing disconnect switch location
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I hereby certify that, to the best of my knowledge, all the information provided in the Interconnection Application is true and correct.

CUSTOMER NAME:

TITLE:

\_\_\_\_\_

\_\_\_\_\_

CUSTOMER SIGNATURE:

DATE:

\_\_\_\_\_

\_\_\_\_\_

\*\* If all sections of the application are not complete and/or attachments are missing, it will delay the processing of your application.

## AES Ohio Net Metering Service Information Request

Customer's Name: \_\_\_\_\_

Account Number: \_\_\_\_\_ Rate Number: \_\_\_\_\_

Service Address: \_\_\_\_\_

City: \_\_\_\_\_ State: OH Zip Code: \_\_\_\_\_

Contact Person (if different than Customer): \_\_\_\_\_

Telephone Number: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: OH Zip Code: \_\_\_\_\_

Email Address: \_\_\_\_\_

Generation equipment ownership (check one):

Will the Customer: Own: \_\_\_\_\_ Rent: \_\_\_\_\_ Lease: \_\_\_\_\_ Other: \_\_\_\_\_

If other, please describe:

\_\_\_\_\_

- 
- A. Total generating capacity: \_\_\_\_\_ kW  
 B. Expected annual output: \_\_\_\_\_ kWh  
 C. Expected capacity factor =  $B / (A * 8760)$

Expected capacity factor: \_\_\_\_\_ %

Capacity factor is the ratio of what the facility should produce compared to what it would produce if 100% efficient, 100% of the time.

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Customer qualifies for net metering if the generating facility uses as its fuel either solar, wind, biomass, landfill gas or hydropower or uses a micro-turbine or fuel cell which is located on the Customer's premises (located at the same address as Customer's account). The Customer's generating equipment must operate in parallel with the Company's transmission and distribution systems. The Customer's generation equipment must be intended to offset part or all of the Customer's requirements for electricity. Generating equipment which is significantly oversized, as compared to the Customer's maximum demand, may not qualify for net metering and may incur additional interconnection costs. The Customer

or its Developer must complete an interconnection application and receive approval to interconnect in order to qualify for net metering service. The Customer's equipment must be

inspected before net metering service may begin. If Customer is served by a competitive retail electric service (CRES) provider, Customer should make arrangements with its CRES provider to receive net metering credits in accordance with OAC 4901:1-21-13.

The Customer acknowledges that it has read the Company's Net Metering rules found in Tariff Sheet No. D5 and agrees to all terms and conditions contained therein, including without limitation those specified in the Company's Distribution Interconnection Tariff, Tariff Sheet No. D35. Specifically, the Customer understands and agrees that a meter, which is capable of registering the flow of electricity in each direction, must be in service at the facility. If a meter is not in service with this capability, the Customer must submit a written request for the Company at the Customer's cost to acquire, install, maintain, and read an approved meter. All costs related to this meter shall be borne by the Customer. Customer acknowledges and agrees that operation of Customer's generation facility is intended primarily to offset part or all of Customer's electricity requirements in accordance with the Company's Net Metering rules.

Meter Exchange Fee:

The purpose of this fee is the installation and/or reprogramming of a bidirectional meter that is capable of measuring the flow of electricity in two directions.

Charge: \$95.00

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Requested By:

Approved By:

\_\_\_\_\_

Customer Name

\_\_\_\_\_

Name

\_\_\_\_\_

Authorized Signature

\_\_\_\_\_

Company Signature

Date: \_\_\_\_\_

Date: \_\_\_\_\_



## RELEASE OF PERSONAL INFORMATION

By signing this form, I acknowledge that I am giving

\_\_\_\_\_ (Consulting Engineer/Contractor) access to my AES Ohio account information. Account information can include account number, rate, service address, phone number, and usage history. **I realize that under the rules and regulations of the public utilities commission of Ohio, I may refuse to allow AES Ohio to release the information set forth above. By my signature I freely give AES Ohio permission to release the information designated above.**

\_\_\_\_\_  
Customer Name:

\_\_\_\_\_  
Customer Signature

\_\_\_\_\_  
Date