



# NASHVILLE ELECTRIC SERVICE APPLICATION FOR INTERCONNECTION OF RENEWABLE GENERATION

Please email completed application to [Renewables@NESPower.com](mailto:Renewables@NESPower.com) or email us for information.

## PART 1: CONTACT INFORMATION

### A. CUSTOMER INFORMATION

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

*(Must match name on NES Electric Service Account)*

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

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Electric Service Account Number: \_\_\_\_\_ - \_\_\_\_\_ Meter Number: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Fax Number: \_\_\_\_\_

Mailing Address (If different): \_\_\_\_\_

Authorized Contact Email Address: \_\_\_\_\_

*NOTE: The Authorized Contact name and email address provided in Part A must be for the Primary/Secondary Account Holder or Authorized Corporate Representative and will be used to communicate with the Account Holder and to obtain contract signatures electronically through DocuSign.*

### B. PROJECT DESIGN/ENGINEERING (AS APPLICABLE)

Company: \_\_\_\_\_

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

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Representative: \_\_\_\_\_

Email Address: \_\_\_\_\_ Fax Number: \_\_\_\_\_

### C. SOLAR CONTRACTOR/INSTALLER (AS APPLICABLE)

Company: \_\_\_\_\_

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

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Representative: \_\_\_\_\_

Email Address: \_\_\_\_\_ Fax Number: \_\_\_\_\_

### D. NABCEP ACHIEVEMENT LEVEL (REQUIRED)

Associate Level       Installation Professional       Technical sales

Certificate Number: \_\_\_\_\_

## **PART 2: TECHNICAL DATA**

### **A. GENERATION TYPE**

Solar PV    Wind    Low-Impact Hydropower    Biomass    Other: \_\_\_\_\_

### **B. TVA PROGRAM**

Non-Program                                       Dispersed Power Production (DPP)  
 Green Connect                                       Other: \_\_\_\_\_

### **C. INSTALLATION INFORMATION**

Residential       Non-Residential       Other: \_\_\_\_\_

System Rating: \_\_\_\_\_ (kW DC)      Annual Estimated Generation: \_\_\_\_\_ (kWh)

Total System Cost (Required) \$ \_\_\_\_\_

Point of Interconnection:    Load Side Customer Panel    Line Side Overhead  
    Line Side CT Cabinet                       Line Side Pad Mounted Transformer  
 Other \_\_\_\_\_

### **D. INVERTER DATA**

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

Rated Power Factor (%): \_\_\_\_\_ Rated Voltage (Volts): \_\_\_\_\_ Rated Amperes: \_\_\_\_\_

Inverter Type (ferroresonant, step, pulse-width modulation, etc.): \_\_\_\_\_

Single or Three Phase: \_\_\_\_\_ Type Commutation: Forced \_\_\_\_\_ Line \_\_\_\_\_

Harmonic Distortion: Maximum Single Harmonic (%) \_\_\_\_\_

Maximum Total Harmonic (%) \_\_\_\_\_ Fault Current: \_\_\_\_\_

UL-1741 Compliant                                       IEEE 1547 Compliant

### **E. BATTERY DATA (IF APPLICABLE)**

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

Battery Chemistry: \_\_\_\_\_ Peak Power (kW): \_\_\_\_\_

Rated Energy (kWh): \_\_\_\_\_ Usable Energy (kWh): \_\_\_\_\_ Cycle Life: \_\_\_\_\_

DC Connected                                       AC Connected

## **PART 3: SUPPORTING DOCUMENTS**

### **A. ONE LINE DIAGRAM**

Please attach a detailed one-line diagram of the proposed facility, including wire and fuse sizes, major equipment (inverters, circuit breakers, protective relays, number and location of PV panels, etc.), and any other items pertaining to the system. For generation projects over 50kW, indicate interlocks and methods of operation to disconnect system from utility source upon loss of utility power.

### **B. SITE PLANS**

Please attach a detailed site plan that includes physical address, both the revenue (billing) and generation meter locations, inverter locations, and panel locations. For generation projects over 50kW please provide AutoCAD files in state plane coordinates.

### **C. SITE PLACARD**

Include documentation and location of placard showing final design for the site. Placard should include the system one line with all major equipment (solar panels, inverters, batteries, disconnects, customer load panels, billing meter, etc.). Placard showing only the equipment on a site layout will not suffice. Placard material must be sunlight-proof and weatherproof (stickers are not acceptable). Placard must be permanently installed with screws or rivets on, or within line of sight of, the utility solar disconnect switch. Finally, placard should list both the contractor and customer names and contact information for both.

### **D. SPECIFICATIONS & DOCUMENTATION**

In addition to the items listed above, please attach major equipment specification documentation, manufacturer cut sheets (inverter, PV panels, etc.), or test reports, etc., and any other applicable drawings or documents necessary for the proper design of the interconnection. Indicate which specific items are being used on all documentation.

Customer is responsible for compliance with both TVA and NES requirements applicable to the project type. Please refer to the TVA Guidelines for the program, as well as the NES Renewable Generation Project Guidelines, located at [www.nespower.com](http://www.nespower.com).

### **E. ENGINEERING STUDY DOCUMENTATION**

A formal NES distribution engineering study may be required prior to approval of the system design. Additional documentation may be required and will be requested by NES on a case-by-case basis. Customer agrees to provide Distributor with any additional information required to complete the engineering study.

**PART 4: PERMISSION TO INTERCONNECT**

Customer must not operate its generating facility in parallel with Distributor’s system until it receives written authorization for parallel operation from Distributor. Unauthorized parallel operation could result in injury to persons and/or damage to equipment and/or property for which Customer may be liable.

**NES advises Customer and Contractor not to purchase or install any equipment until proper approval has been given in writing.**

Customer agrees to provide Distributor with any additional information required to complete the interconnection.

**PART 5: FEES**

Customer’s NES Electric Service Account Number, provided on this application, will be charged according to the NES Schedule of Fees and Charges for: a) upon application, a non-refundable application and engineering review charge; b) upon interconnection a monthly Renewable Interconnection charge; and c) where applicable, a monthly Program Management Charge.

These charges can be reviewed at the following website:

[NES Schedule of Fees and Charges](#)

By signing below, I acknowledge that I have reviewed, understand, and agree to these charges and certify that I am the Primary/Secondary Account Holder or Authorized Corporate Representative for the NES Electric Service Account listed in this application.

\_\_\_\_\_  
Authorized Customer Signature/Primary Account Holder

\_\_\_\_\_  
Date

\_\_\_\_\_  
Authorized Customer Signature/Secondary Account Holder

\_\_\_\_\_  
Date

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**For NES Use**

\_\_\_\_\_  
**Received by**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Work Request No.**