



# APPLICATION FOR SPPD APPROVAL TO CONSTRUCT DISTRIBUTED GENERATION INTERCONNECTION

4550 West Husker Highway, PO Box 1687, Grand Island, NE 68802  
308-384-2350, email: distributedgeneration@southernppd.net

The Distributed Generation (DG) Owner (herein described as 'Owner') requests Southern PPD approval to construct and operate Distributed Generation (DG) equipment in closed transition (parallel) with the Southern PPD system in accordance with and as defined in the latest version of the Southern PPD Distributed Generation Standard.

## I. DG FACILITY OWNER AND/OR OPERATOR INFORMATION:

DG Facility Owner \_\_\_\_\_

Southern PPD Service Account Number (if known) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Day Phone \_\_\_\_\_ Night Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

**DG Facility Operator (if different than above)** \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Day Phone \_\_\_\_\_ Night Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

## II. FACILITY DESIGN/ENGINEERING:

Company \_\_\_\_\_

Representative \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

## III. FACILITY ELECTRICAL CONTRACTOR:

Company \_\_\_\_\_

Representative \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

## IV. DG FACILITY INFORMATION:

DG Facility Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

**V. TYPE OF FACILITY**

Solar Photovoltaic      Wind Turbine      Other (specify) \_\_\_\_\_

**VI. GENERATOR RATINGS (Indicate Per Unit/Combined)**

Rated output \_\_\_\_\_ / \_\_\_\_\_

**VII. INVERTER DATA:**

Size \_\_\_\_\_kW

Voltage \_\_\_\_\_KV

Power Factor \_\_\_\_\_

Phase (check one)    1    3

Inverter Manufacturer and Model Number \_\_\_\_\_

**VIII. TRANSFORMER (If Applicable):**

If transformer(s) will exist between the generation and the facility service entrance/interconnection point, describe transformer(s) (voltage, windings (wye-wye, etc), type, taps, ratings). Attach manufacturer's data. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**IX. CLASSIFICATION:**

Duration of Parallel Operation (check one)

Momentary Operation

Sustained Operation

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NOTE: Southern PPD requires a lockable interconnection disconnect which provides a visible means of verifying the switch contacts are in the open position to be located within 10' of the net meter. See Southern Public Power District Distributed Generation Standard for details.

**IX. ISLANDING AND PROTECTION:**

SOUTHERN PPD requires all equipment packages for interconnection to be certified by a nationally recognized testing and certification laboratory in compliance with IEEE 1547, Standard for Interconnecting Distributed Resources with Electric Power Systems, as amended and supplemented. IEEE 1547 can be obtained through the IEEE at 445 Hoes Lane, P.O. Box 1331, Piscataway, New Jersey 08855-1331 or at [www.ieee.org](http://www.ieee.org).

SOUTHERN PPD does not allow islanding (see glossary) of DG facilities on the SOUTHERN PPD system unless the DG facility is designed and tested to work in an island situation. The DG facility must isolate itself from the SOUTHERN PPD system in the event of a SOUTHERN PPD outage

Is the Distributed Generation facility IEEE 1547 compliant:       Yes       No

Is the Distributed Generation facility UL 1741 compliant:       Yes       No

Is the Anti-islanding or islanding reconnect Timer set for 5 minutes?       Yes       No

**X. SCHEDULE:**

Date scheduled for start of DG installation / construction \_\_\_\_\_

Date scheduled for completion of installation / construction \_\_\_\_\_

**SOUTHERN PPD requires notification of construction 60 days before construction is to begin.**

**SUBMIT THE FOLLOWING DOCUMENTS WITH THIS APPLICATION:**

- A site plan and floor plan of the proposed DG facility and/or installation indicating installed DG equipment locations.
- A one-line diagram of the proposed generator installation on the Owner's electrical system, noting all bus voltages, conductor properties, generating equipment, interconnection point(s), and interconnection disconnecting device(s).
  - Southern PPD may require this document bear the stamp of a Professional Electrical Engineer registered in the state where the project is being constructed.
- A schematic diagram of the proposed protective relay scheme indicating CT and PT monitoring points and protective functions provided (when required).
  - Southern PPD may require these documents bear the stamp of a Professional Electrical Engineer registered in the state where the project is being constructed.
- A one-time Application Fee based upon facility size is required. Please see table below:

<b>Generation Capacity</b>	<b>Application Fee</b>
≤ 25kW	\$150
>25kW and ≤100kW	\$500
> 100kW	\$1,000

Detail sheets/catalog cuts of information on the generator, interconnection disconnect switch, interconnection breaker, interconnection switchgear, or other related equipment.

- Documentation confirming that a nationally recognized testing and certification laboratory listed the equipment as IEEE 1547 compliant.

Comments: \_\_\_\_\_

**By submitting this application, the Owner agrees to the following:**

- The **Owner** has reviewed, is familiar with, and agrees to comply with all requirements of the Southern Public Power District Distributed Generation Standard.
- The **Owner** has reviewed and is familiar with the terms of the "Utility Service Termination Clause" for failing to meet and maintain requirements for interconnection, as outlined in the Southern Public Power District Distributed Generation Standard.
- The **Owner** has reviewed and is familiar with the "Interconnection Expenses" section of the Southern Public Power District Distributed Generation Standard, and is aware of and agrees to comply with the Owner's financial obligations to Southern PPD, incurred by the addition of this new DG capacity.
- At no time will the new DG equipment be allowed to operate in closed transition with the Southern PPD system until the "Southern Public Power District Agreement for Closed Transition Operation of Distributed Generation" is executed between the Owner and Southern PPD. This includes momentary closed transitions between the Owner's generation and the Southern PPD system for testing or calibration purposes. The only exception is if the DG installation is essentially complete, Southern PPD has been notified in advance of the intention to operate in parallel, and a Southern PPD representative is present to witness the closed transition operation. Note such witness tests do not necessarily take the place of the final "Witness Test" outlined in the "Southern Public Power District Agreement for Closed Transition Operation of Distributed Generation". **Owner shall be liable for any and all damages and expenses incurred by Southern PPD and its customers due to the unauthorized or improper closed transition operation of Owner generation with the Southern PPD system.**
- The operation of this Owner equipment during the test period and subsequent normal operation shall not cause objectionable electrical disturbances external to the DG facility.
- All members of the Owner's construction project team (including contractors, engineers, and suppliers) and all DG facility operating personnel will be made aware of the terms of the Southern Public Power District Distributed Generation Standard and this application.

- If the capacity of the generation system is 25 kW or less, the District will offer to net generation excess above the customer's use against other use at the same meter location during the same month. Any excess generation over and above the customer's total use for the month will be paid to the customer at the rate "DG", as may be amended from time to time by the Board of Directors.

**XI. AUTHORIZATION:**

FOR THE CONTRACTOR:

Printed: \_\_\_\_\_

Signed this \_\_\_\_\_ Day of \_\_\_\_\_, \_\_\_\_\_

FOR THE DG FACILITY OWNER:

Printed: \_\_\_\_\_

Title: \_\_\_\_\_

Signed this \_\_\_\_\_ Day of \_\_\_\_\_, \_\_\_\_\_

This form can be submitted electronically to:

[distributedgeneration@southernpd.net](mailto:distributedgeneration@southernpd.net)

or mailed to:

Southern Public Power District  
Attn: Engineering Department  
PO Box 1687  
Grand Island, NE 68802-1687