

## **CPWS Green Power Providers**

### **Overview Statement of TVA's GPP program**

CPWS views a renewable generation service much the same as any other residential, commercial or industrial installation within our service area. Therefore a renewable generation service shall be subject to all federal, state and local electrical requirements. The requirements governing these installation shall be, but not limited to, the latest adopted edition of National Electric Code (NEC), National Electric Safety Code (NESC), City of Columbia Electrical Ordinances, CPWS Rules and Regulations, CPWS Service Policies, CPWS Standard Practices and Procedures, etc.

The following list of documents comprises Green Power Providers program requirements within CPWS service area.

- 1. TVA GPP Capacity Reservation Request (CRR) electronic version**
- 2. CPWS/TVA GPP Capacity Reservation Request (CRR) Supplement**
- 3. CPWS policy concerning TVA's Green Power Providers Program**
- 4. Columbia Power and Water Systems (CPWS) Interconnection and Parallel Operation Agreement for Renewable Generation Operating Under Green Power Providers Program**
- 5. Application for Interconnection of Distributed Generation**
  - a. TIER 1 or TIER 2**
- 6. CPWS supplied Green Power Providers Participation Agreement (PA)**
- 7. CPWS GPP Certificate of Completion**
- 8. CPWS GPP System Acceptance**

This document, along with documents 2 thru 6 should be reviewed and understood before submitting document 1 TVA GPP Capacity Reservation Request (CRR) electronically.

Upon receipt of the electronic CRR, prior to CPWS submitting to TVA for approval, a site visit will be scheduled. Payment of the CRR processing fee shall be paid and document 2 submitted. Further it shall be the owner's, participant's and installer's responsibility to submit signed and dated copies of this document, documents 2 and document 3 above. In addition the appropriate tier application (document 5) shall be submitted along with a one-line drawing of the proposed renewable generation system. This shall imply that all parties have read and understand the points of these documents along with Interconnect Agreement (document 4) and Participation Agreement (document 6) before moving

forward with the submittal. This shall also allow CPWS time to perform its system impact study for all proposed renewable systems.

Please make note of paragraph 5.2.4. of the Interconnect Agreement (document 4) where inverter phasing shall match the existing service phasing. This requires single phase inverters on single phase installations and three phase inverters on three phase installations. Single phase inverters “banked” together shall not be allowed on three phase service installations.

Upon approval of CRR by TVA, any system design changes shall be resubmitted for CPWS approval prior to issuing document 4 and 6 for execution. At this point, a completed application (document 5) shall be submitted. This document is considered complete when it includes one-line diagram, equipment cut-sheets and specifications along with application fee per the fee schedule. Re-evaluation fee will be charged to review a revised design with major equipment or location changes. Please be sure to make every effort to submit application with correct information and location data to avoid being charged a re-evaluation fee.

During our review process, CPWS will evaluate and return to customer and installer the following list of information along with a Participation Agreement (document 6) and an executable Interconnection Agreement (document 4). The owner, participant and installer will utilize the Participation Agreement supplied by CPWS to confirm required information associated with their respective portion of the electronically submitted Participation Agreement Request (PAR) thru TVA’s on-line tool.

- Where applicable, design’s conformity to site capacity requirements.
- Location of physical connection point.
- Maximum available fault current at connection point.
- Existing metering rework by CPWS employees and estimate cost of rework.
- Distribution improvements cost required by addition of renewable generation source.
- Generation meterbase requirements and cost of meterbase thru CPWS.
- Application Fee amount for project.
- Engineering Review Fee if applicable.

It shall be the owner’s, participant’s and installer’s responsibility to furnish all parties contact email addresses to CPWS. This will allow CPWS to correspond with parties associated with the system. CPWS will supply to our customer via email documents that pertain to the installation on their property and keep them informed of the project process.

Further installer responsibility shall include providing project approval documentation from the respective Building Code Official, dependent on site location and governing authority. This is in addition to the signature of the Deputy State Electrical Inspector for CPWS service area.

A fully executed Interconnection Agreement (document 4) will be returned to CPWS for our records. CPWS will review for completeness. Once complete CPWS will execute the Interconnection Agreement to all parties. At this point the electronic PAR can be submitted via TVAs on-line tool. Upon TVA approval of the PA, notification will be supplied to all parties via their on-line tool. TVA will send electronic copies to CPWS and owner for our records. Once the PA notification is received, CPWS will at this point provide Certificate of Completion to be returned to CPWS once the project is ready to be grid connected. This is the document that the Deputy State Electrical Inspector will execute. The Electrical Inspector for our service area is not the Building Code Official. Electrical permits are to be purchased prior to installation beginning and shall be purchased at CPWS office.

It shall be the owner's, participant's and installer's responsibility to keep CPWS informed of the progress of the project. The installer shall coordinate with CPWS for outages a minimum of two business days in advance. CPWS will coordinate with TVA CSP for the pre-grid connection inspection. During the pre-grid, TVA will check nameplate system data, check wiring and connections prior to grid connection. CPWS will set the generation meter and installer shall activate the system. TVA will witness the full operation of the renewable system before executing the GPP System Acceptance form on behalf of CPWS.

By the signatures below the installing contractor and participant/owner indicates that they have read, understands and agrees to this overview statement and all the terms and conditions set forth above.

INSTALLER

PARTICIPANT/OWNER

BY: \_\_\_\_\_

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

PARTICIPANT (if different from owner)

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_