



**VI. Customer Generation
Systems Less than 200 kW**

This policy provides terms and conditions applicable to EWEB Customers who apply for interconnection of a Customer owned generation system with EWEB facilities. The purpose of this policy is to:

- Ensure the safety of EWEB personnel and the public
- Maintain the reliability and power quality of EWEB’s distribution system
- Align Customer generation with EWEB’s Integrated Electricity Resource Plan goals and strategies, environmental policies, and climate change policies
- Establish a rate structure for customers who deliver power to EWEB

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A. Applicability

This policy applies to any type of electrical generator producing alternating current with an output power rating less than 200 kilowatts which may be interconnected in parallel with EWEB's electrical distribution system and is owned and operated by an EWEB Customer.

In this Policy, reference to power and energy flows associated with a customer generation system shall be referred to as Customer Generation (CG) and reference to the customer generation system itself shall be referred to as Customer Generation System (CG System.)

B. Exclusions

CG Systems larger than or equal to 200 kilowatts are not covered by this policy. Customers may apply to EWEB for interconnection of CG Systems greater than or equal to 200 kW and EWEB will consider such applications on a case-by-case basis. Interconnection of such CG Systems will be subject to policies and conditions developed for the proposed interconnection.

CG Systems intended for emergency standby power and not connected in parallel to the EWEB electric system are not covered in this policy. Emergency standby power generation requirements are covered in Section E-I-N-6 of EWEB's Customer Services Policies and Procedures.

C. General Requirements

1. Terms and Conditions for Service

a. Customers proposing to interconnect a CG System to EWEB facilities must:

- 1) Make separate application to EWEB for each CG System,
- 2) Obtain EWEB approval of the proposed CG System,
- 3) Execute an Interconnection Agreement,
- 4) Execute a Net Metering or Power Purchase Agreement,
- 5) Install CG System in accordance with the Interconnection Agreement, and
- 6) Obtain final EWEB certification of equipment and installation prior to interconnection to EWEB's distribution system.

EWEB shall apply these requirements in a non-discriminatory manner.

b. CG shall be at a voltage, phase, power factor, and frequency as specified in EWEB Interconnection Requirements for Customer Generation Facilities Less than 200 kW. This document is available upon request from EWEB or on EWEB's website, www.eweb.org.

c. CG shall not adversely affect the power quality of EWEB's electric service. If interference with the quality of EWEB's electric service occurs, the requirements established in EWEB Policies and Procedures, Section E-I-N-4, Interference with Quality of Service, shall apply.



- d. EWEB may disconnect or terminate interconnection of the CG System subject to the procedures of EWEB's Interconnection Agreement.
- e. EWEB shall be provided access to the CG System as necessary and as specified in EWEB's Interconnection Agreement.
- f. The CG System shall comply with EWEB's Policies and Procedures and all applicable Federal, State, and local laws and regulations.
- g. EWEB will not assume any responsibility for protection of the Customer's generator(s) or of any other portion of the Customer's electrical equipment. The Customer is solely responsible for protecting his or her equipment from faults, automatic reclosing of EWEB distribution equipment, or any other power disturbances or events.

EWEB's approval of an application for a CG System does not warrant the proposed interconnection nor does EWEB take responsibility for design or installation of the CG System.

- h. The CG System must maintain compliance with EWEB's Environmental and Climate Change Policies at all times.
- i. EWEB reserves the right to disqualify an application for interconnection if, in EWEB's determination, the proposed CG or CG System:
 - 1) Fails to comply with the Interconnection Requirements for Customer Generation Facilities Less than 200 kW
 - 2) Impacts the reliability of EWEB's distribution system
 - 3) Jeopardizes the safety of the public or EWEB personnel
 - 4) Violates EWEB's Environmental or Climate Change Policies
 - 5) Fails to meet the objectives of EWEB's Integrated Energy Resource Plan.

2. Customer Responsibilities

- a. Customer is responsible for and shall pay for all facilities required to interconnect the CG System to the EWEB system as specified in the Interconnection Requirements for Customer Generation Facilities Less than 200 kW and EWEB Customer Services Policies and Procedures. Such facilities may include but are not limited to, connection, transformation, switching, protective relaying, metering and safety equipment.
- b. If additional EWEB-owned facilities are required to accommodate the CG System, EWEB will install the facilities, and Customer will pay for the required facilities. Customer is responsible for paying design, installation, equipment, and overhead costs.



- c. Customer shall own its CG System and be fully responsible for the costs of designing, installing, operating and maintaining the CG System in accordance with this Policy.
 - d. Customer shall comply with all applicable electric codes, laws, and mandates of all governmental agencies having jurisdiction over the CG System. EWEB will not interconnect any CG System that has not been approved by appropriate building code enforcement officials and EWEB inspectors.
3. Interconnection Requirements
- a. All metering and interconnection equipment shall meet the specifications described in EWEB Customer Services Policies and Procedures and in EWEB Interconnection Requirements for Customer Generation Facilities Less than 200 kW.
 - b. CG Systems shall have anti-islanding capability and shall automatically disconnect from the EWEB electric system upon loss of EWEB source voltage. The CG System shall prevent reconnection until the EWEB source voltage has been safely restored.
 - c. Customer shall install and maintain a load-break, lockable, visible-open disconnect switch located on the load side of the service meter to provide the ability to open the connection of the CG System's AC power output to the EWEB electric system as described in EWEB's Interconnection Requirements for Customer Generation Facilities Less than 200 kW.
 - d. Proposals for CG Systems to be operated in parallel with EWEB's Downtown Secondary Network system are subject to additional evaluation, technical and equipment requirements. The location and general requirements for EWEB's Downtown Secondary Network are described in Section E-III of EWEB's Policies and Procedures. All expenses required to evaluate and install a CG System within EWEB's Secondary Network are the responsibility of the Customer. CG Systems in a facility served by EWEB's Secondary Network may only be configured as a net-metered service and will be subject to size restrictions as specified in EWEB's Interconnection Requirements for Customer Generation Facilities Less than 200 kW. EWEB reserves the right to deny a proposed CG System on its Secondary Network if EWEB determines the proposed CG System may result in unacceptable risk, expense, or reduction in reliability to other customers or EWEB's facilities.



D. Process and Procedure

1. Application for Interconnection

Customer shall submit an approved application form to EWEB to interconnect a CG System in parallel to EWEB's electric system. Applications, sample documents, information and requirements for interconnection are available upon request from EWEB or on EWEB's website, www.eweb.org.

Customer shall submit all required interconnection applications, documentation and drawings to EWEB for review prior to beginning installation of the CG System.

2. Review and Acceptance

a. Application review process

Upon receipt of all required application materials, EWEB will review the proposed CG System and determine if it may be interconnected as submitted, if further information must be submitted, if modifications are required, or if it is unsuitable to be interconnected.

If, after its initial review, EWEB determines that proposed CG System is complex or non-standard, EWEB may require an engineering study, at the Customer's expense, to determine the suitability of interconnecting the proposed CG System.

During its review process, EWEB may contact the applicant to obtain clarifications or request additional information for the purposes of completing the review.

b. Notification of determination

EWEB shall notify the applicant of its determination for interconnection of a CG System in a timely manner. Notification shall be in writing, will indicate the approval status and list any modifications that are required for approval.

If an engineering study is required, EWEB and applicant will enter into an agreement to perform the study. Upon payment by the CG applicant for the study, EWEB shall schedule resources to perform the study. Upon completion of the study, EWEB shall inform the applicant of its determination in writing.

c. Remedies for denial

If an application for interconnection is denied, applicant may resubmit its application. A resubmitted application will be reviewed using the same review process as an initial application for new CG System.



d. Post-installation inspection and approval

Upon completion of an approved CG System, Customer must obtain a final approval by all local code enforcement officials prior to requesting a final inspection by EWEB. EWEB will not conduct a final inspection or interconnect any CG System that has not received a final inspection and acceptance by local building officials.

Upon final inspection and approval by local code enforcement officials, EWEB will complete final inspection, interconnection procedures, and, if approved by EWEB, install an appropriate electric meter.

3. Required Agreements

a. Interconnection Agreement

Customer must execute an Interconnection Agreement before a proposed CG System will be interconnected to EWEB's electric system. Copies of required agreements are available directly from EWEB or on EWEB's website.

b. Power Purchase or Net Metering Agreements

Any CG System that may deliver power to EWEB's electric system shall be required to execute a Net Metering or Power Purchase Agreement prior to interconnection with EWEB's electric system.

c. Design Agreement

An engineering study may be required to determine if the CG System can be safely connected to the EWEB electric system, if modifications of the EWEB electric distribution system are required, or an electric line extension is required for service to the CG System. If an engineering study is required, the applicant shall execute a Design Agreement to be signed and paid in advance of any study or design work being performed. The scope of the engineering study will be determined by EWEB and may include but is not limited to consideration of the following analyses:

- i. Fault Current
- ii. Relay/Protective Device Coordination
- iii. System Stability
- iv. Power Flow
- v. Overall System Impact



d. Electric Line Extension Agreement

If an electric line extension is required for interconnection of the proposed CG System to the EWEB electric system, the applicant will be required to execute a Line Extension Agreement and pay for the extension in advance of any work being performed in accordance with EWEB Customer Services Policies and Procedures.

e. Assignment of Ownership

If the facility at which a CG System is installed or the CG System itself is sold or ownership is transferred for any reason, an Assignment of Ownership Agreement must be executed at the time of the transfer of ownership.

If the Assignment of Ownership Agreement is not executed, EWEB may lock the CG System disconnect in the open position as provided for in EWEB's Interconnection Requirements for Customer Generation Facilities Less than 200 kW.

E. Charges

Charges for the following will be determined on a project-by-project basis and, if required, shall be paid in advance by the Customer prior to connection of the CG System to the EWEB electric distribution system:

1. Engineering studies required to determine if the CG System can be safely connected to the EWEB electric system.
2. Design and construction of modifications to EWEB electric distribution system required to interconnect the CG System.
3. Design and construction of electric line extensions required for service to the CG System per Section E-IV of EWEB Customer Services Policies and Procedures.

F. Power Purchase Rate Schedules

The following Power Purchase Rate Schedules are available to EWEB Customers with CG Systems as applicable:

- Renewable Net-Metered Rate
- Long-Term Renewable Generation Purchase Rate
- Annual Renewable Generation Purchase Rate

These Rate Schedules are subject to annual review and may be adjusted or amended at the discretion of the EWEB Board. Service under all Schedules is subject the policies and procedures of EWEB.



1. Renewable Net-Metered Rate Schedule
(For Generation Less than or Equal to 200 kW)

a. Applicability

Renewable Net-metered Rates shall apply to a CG System interconnected in parallel to EWEB on the Customer's side of the meter and sized such that it primarily offsets the Customer's load at the site.

Renewable Net-metered Rates are available only to a CG System with an installed output capacity less than or equal to 200 kW, that use solar power, wind power, fuel cells, hydroelectric power, landfill gas, digester gas, waste, dedicated energy crops available on a renewable basis, or low-emission, non-toxic biomass based on solid organic fuels from wood, forest, or field residues.

b. A Customer who uses the net-metered approach shall be responsible to pay the monthly basic charge, demand charge, energy charge, distribution charge and reactive charge applicable to its rate class.

c. At the end of each monthly meter reading cycle, excess energy generated by the CG System as measured by EWEB's billing meter shall be credited at the excess generation rate listed below. The resulting amount shall be credited to the Customer's EWEB bill in that same billing cycle.

d. Renewable Net-metered Rate

Excess generation for CG Systems will be credited based on the following rate:

All kWh of excess generation..... \$0.0569 per kWh



2. Long-Term Renewable Generation Purchase Rate Schedule
(For Generation Greater than 10 kW and Less than 200 kW)

a. Applicability

Rate schedule applies to residential, commercial, industrial and public agency Customers with EWEB approved renewable energy generation systems that are connected directly to the EWEB electric distribution system, that have an installed output capacity greater than 10 kW and less than 200 kW, and that use solar power, wind power, hydroelectric power, landfill gas, digester gas, waste, dedicated energy crops available on a renewable basis, or low-emission, non-toxic biomass based on solid organic fuels from wood, forest, or field residues.

Rate schedule applies to the purchase of electrical energy generated by Customer's renewable electric generation system. Purchase rate shall be applied to twenty year Standard Offer contracts for renewable generation systems interconnected to EWEB.

b. 2012 Long-Term Renewable Generation Purchase Rate

All purchased power \$0.0865 per kWh

c. Energy delivered to the EWEB system will be credited to Owner's generation account monthly according to the Rate Schedule above. Payments for renewable electric generation credits will be issued once per year in December in the form of a check.



3. Annual Renewable Generation Purchase Rate Schedule
(For Generation Greater than 10 kW and Less than 200 kW)

a. Applicability

Rate schedule applies to residential, commercial, industrial and public agency Customers with EWEB approved renewable energy generation systems that are connected directly to the EWEB electric distribution system, that have an installed output capacity greater than 10 kW and less than 200 kW, and that use solar power, wind power, hydroelectric power, landfill gas, digester gas, waste, dedicated energy crops available on a renewable basis, or low-emission, non-toxic biomass based on solid organic fuels from wood, forest, or field residues.

Rate schedule applies to the purchase of electrical energy generated by Customer's renewable energy generation system. Purchase power rate shall be applied to short-term Standard Offer contracts for renewable electric generation systems connected to EWEB.

b. Annual Renewable Generation Rate

All purchased power \$0.0461 per kWh

c. Energy delivered to the EWEB system will be credited to Owner's generation account monthly according to the Rate Schedule above. Payments for renewable electric generation credits will be issued once per year in December in the form of a check.