

ORCAS POWER AND LIGHT COOPERATIVE

MEMBER SERVICE POLICY 13

INTERCONNECTION OF MEMBER OWNED ALTERNATE-ELECTRIC GENERATING FACILITIES 25 kW OR LESS

13.1 AVAILABILITY

Available to qualifying facilities within San Juan County subject to the limitations below:

13.1.1 Energy must be generated with solar, wind, or other small scale renewable resources.

13.1.2 Maximum of 25 kW per unit.

13.2 CHARACTER OF SERVICE

Service where the member has elected to operate its alternate-electric generating facility in parallel with OPALCO's distribution facilities. The alternate-electric generating facility may be used to offset part of the member's own electrical requirements or to generate power for sale to OPALCO.

13.3 PAYMENT FOR NET ENERGY

The member may choose, subject to the limitations of General Provisions, Section 13.4.2.3, either Net Metering or Buy/Sell:

13.3.1 Net Metering

13.3.1.1 In the event the energy generated by the facility exceeds the energy consumed on the member's premise, the excess may be distributed to OPALCO's grid through OPALCO's meter causing the member's meter to run backward.

13.3.1.2 The member shall pay for energy consumed under the appropriate rate tariff, including OPALCO's base charge, based on actual meter readings.

13.3.1.3 In no case will a credit be issued for negative usage. Instead, a bill for zero usage will be issued and negative kWh will be "banked" for usage by the member in a subsequent month except that any banked kWh on the anniversary of the beginning date of service under the tariff shall be donated to OPALCO.

13.3.2 Buy/Sell

13.3.2.1 OPALCO will install, and equally share cost with member, meters to register the energy flow into and out of the member's facility. The member shall purchase energy flowing into their facility under the appropriate rate tariff. The member may elect to sell the entire output of their system or the portion that is excess to their needs to OPALCO.

- 13.3.2.2 OPALCO will purchase all energy flowing out of member's facility at 0.5 cents per kWh above the rate paid by the member (for example, 6.52 cents per kWh for residential).
- 13.3.2.3 OPALCO reserves the right to limit purchases, under the buy/sell option, that exceed OPALCO's ability to resell the power to its members.

13.4 GENERAL PROVISIONS

13.4.1 Design Requirements

- 13.4.1.1 All equipment used to interconnect to the OPALCO system shall be UL listed for the intended use.
- 13.4.1.2 All photovoltaic systems shall comply with the requirements of Section 690 of the National Electrical Code (Solar Photovoltaic Systems) and IEEE P929, *Recommended Practice for Utility Interconnection of Photovoltaic (PV) Systems*.
- 13.4.1.3 Non-photovoltaic systems should adhere to the requirements of 13.4.1.2 as if written for the non-photovoltaic system. OPALCO may place other requirements on non-photovoltaic systems.

13.4.2 Interruption or Reduction of Deliveries

- 13.4.2.1 OPALCO shall not be obligated to accept deliveries of excess energy and may require member to interrupt or reduce such deliveries:
 - 13.4.2.1.1 When necessary in order to construct, install, maintain, repair, replace, remove, investigate or inspect any of its equipment or part of its system; or
 - 13.4.2.1.2 If it determines that curtailment, interruption or reduction is necessary because of emergencies, forced outages, or compliance with prudent electrical practices.
- 13.4.2.2 Whenever possible, OPALCO shall give the member reasonable notice of the possibility that interruption or reduction of deliveries may be required.
- 13.4.2.3 Notwithstanding any other provision of this tariff, if, at any time OPALCO determines that either (1) the facility may endanger OPALCO personnel or (2) the continued operation of member's facility may endanger the integrity of OPALCO's electric system, OPALCO shall have the right to disconnect member's generation facility from OPALCO's electric system. The member's facility shall remain disconnected until such time as OPALCO is satisfied that the condition which necessitated the disconnection has been corrected.

13.4.3. Interconnection

13.4.3.1 Member shall deliver the excess energy to OPALCO at OPALCO's meter.

13.4.3.2 Member shall pay for designing, installing, operating and maintaining the alternate-electric generating facility in accordance with all applicable laws and regulations and shall comply with OPALCO's *Agreement for Interconnection of Member Owned Alternate-Electric Generating Facilities 25 kW or Less* and *Technical Specifications for Installation of Member Owned Alternate-Electric Generating Facilities 25 kW or Less*, which may be amended from time to time.

13.4.3.3 With the exception of cost sharing of meters used for the buy/sell option, the member shall pay standard connection fees in accordance with this tariff.

13.4.3.4 If member elects to utilize the buy/sell option, they shall deliver this energy to a second meter located near the meter which registers power flowing into the facility.

13.4.3.5 Member shall not commence parallel operation of the generating facility until written approval of the interconnection facilities has been given by OPALCO. Such approval shall not be unreasonably withheld. OPALCO shall have the right to have representatives present at the initial testing of member's protective apparatus.

13.4.4 Maintenance and Permits

13.4.4.1 Member shall maintain the alternate-electric generating facility and interconnection facilities in a safe and prudent manner and in conformance with all applicable laws and regulations including, but not limited to, *OPALCO's Technical Specifications for Installation of Member Owned Alternate-Electric Generating Facilities 25 kW or Less*.

13.4.4.2 Member shall obtain any governmental authorizations and permits required for the construction and operation of the alternate-electric generating facility and interconnection facilities. Member shall reimburse OPALCO for any and all losses, damages, claims, penalties or liability it incurs as a result of member's failure to obtain or maintain any governmental authorizations and permits required for construction and operation of member's generating facility or failure to properly maintain member's facility.

13.4.5 OPALCO may enter member's premises or property:

13.4.5.1 to inspect with prior notice at all reasonable hours member's protective devices.

13.4.5.2 to disconnect at OPALCO's meter or transformer, without notice, the interconnection facilities (or the entire service if the interconnect facility cannot be disconnected at or near the meter), if, in OPALCO's opinion, a hazardous condition exists and such immediate action is necessary to protect persons, OPALCO's facilities, or property of others from damage or interference caused by member's alternate-energy facilities, lack of properly operating protective devices or inability to inspect the same.

13.4.6 Indemnity and Liability

Member shall save harmless and indemnify OPALCO, its other members and its agents, from any loss, claim or expense arising out of member's actions or inaction in implementing this tariff. OPALCO shall save harmless and indemnify member for any loss, claim or expense arising out of the actions or inaction of OPALCO or its agents in implementing this tariff. This section shall not relieve any insurer of its obligation to pay claims in accordance with the provisions of any valid insurance policy.

13.4.7 Amendment to Tariff – Effective December 17, 2003

The following member-owned generating facilities installed prior to December 17, 2003 will be grandfathered under the provisions of this tariff:

Mary Irene Ekberg	Location #2254131-001
Kaj Enderlein	Location #2048308-002
ME & Gail Williamson	Location #3173301-120
Richard Greaves & Becky Brennan	Location #2126423-001
	and Location #2127307-002
Andrew Evers	Location #3183435-001
Marilyn Anderson & Rachel H. Adams	Location #2227131-001
Andy Harris	Location #2246399-001
John & Cathy Roselli	Location #2291205-001
Dorothy Wachter	Location #2201404-002
Ronald & Elizabeth Keeshan	Location #1594199-066

If any of the above member-owned generating facilities is inactive for a period of ninety (90) days or more, the facility will be served under Member Policy 14.



Randy J. Cornelius, General Manager

Effective Date: December 17, 2003