

State of Oregon

From PacifiCorp's 2006 Six-State ESR, Section 1.16.3 and 1.16.4:

1.16.3 Net Metering

Net metering is a debit and credit metering process in an account in which the customer owns and operates a qualified generating device that interconnects with the Power Company's electrical facilities. Interconnection requirements vary from system to system; contact the Power Company at (888) 221-7070 to determine the requirements for interconnection prior to acquiring equipment.

Customers requesting net metering service shall complete and submit an *Interconnection Agreement for Net Metering Service* (and the included *Appendix A, Application for Net Metering Interconnection*), available at www.pacificpower.net/ESR. State-approved types of generators and kW limits are also available at this website.

Local and/or other applicable government inspection authorities must approve the net metering design prior to installation, and must approve the installation of the customer's parallel generation system prior to energizing.

1.16.4 Inverters for Net Metering

Inverters for net metering shall be UL (Underwriters' Laboratories) 1741-approved and shall meet IEEE (Institute of Electrical and Electronics Engineers) Standards 929 and 1547. If the generating unit is solar-based, the unit must also meet the IEEE (Institute of Electrical and Electronics Engineers) standard 929-2000, *Utility Interface of Photovoltaic (PV) or Solar Systems*.

Oregon Net Metering Electric Service Requirements

| Electric tariff | Oregon Schedule 135 |
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| <p>Is a manual disconnect (single-phase) switch required at the meter?</p> <p>* See exemptions for certain sizes and types of generation capacities listed beneath this table.</p> | <p>Yes. The manual disconnect switch shall be clearly visible from the electric meter, accessible, and located within ten feet of the meter base.</p> <p>The customer also must affix a permanent sign adjacent to the meter base and disconnect switch noting "Parallel Generation on Site" and identifying the manual disconnect switch with the words "Manual Disconnect for Parallel Generation." The sign shall be of sufficient durability to withstand the environment involved.</p> |
| <p>Is a manual disconnect (three-phase) switch required at the meter?</p> <p>* See exemptions for certain sizes and types of generation capacities listed beneath this table.</p> | <p>Yes. The manual disconnect switch shall be clearly visible from the electric meter, accessible, and located within ten feet of the meter base.</p> <p>The customer also must affix a permanent sign adjacent to the meter base and disconnect switch noting "Parallel Generation on Site" and identifying the manual disconnect switch with the words "Manual Disconnect for Parallel Generation." The sign shall be of sufficient durability to withstand the environment involved.</p> |

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| Are government electrical codes inspection and approval required? | Yes, prior to interconnection. |
| Total net metering kW allowed on Pacific Power's Oregon system | This information will be noted when state-mandated limit is approached. |
| Customer generator kW limit | Residential: 25 kW Non-residential: 2,000 kW |
| Who installs and pays for the net meter? | Pacific Power |
| Renewable energy generator types authorized by state | Solar, wind, fuel cell, hydroelectric, landfill gas, digester gas, waste, dedicated energy crops, nontoxic biomass. |

* Exemptions to the disconnect switch requirement per OAR 860-039-0015(a), *Installation, Operation, Maintenance, and Testing of Net Metering Facilities* are:

“For customer services of 600 volts or less, a public utility may not require a disconnect switch for a net-metering facility that is inverter-based with a maximum rating as shown below.

*Service Type—Maximum Net Metering Facility Size
 240 Volts, Single-phase, 3 Wire—7.2 kW
 120/208 Volts, 3-Phase, 4 Wire—10.5 kW
 120/240 Volts, 3-Phase 4 Wire—12.5 kW
 277/480, 3-Phase, 4 Wire—25.0 kW*

For other service types, the net metering facility must not impact the customer generator's service conductors by more than 30 amperes.”

These exemptions were mandated by the OPUC on July 24, 2007.