

PACIFIC POWER & LIGHT COMPANY

WN U-75

First Revision of Sheet No. 114.1
Canceling Original Sheet No. 114.1

**Schedule 114
RESIDENTIAL ENERGY EFFICIENCY RIDER – OPTIONAL FOR QUALIFYING
LOW INCOME CUSTOMERS**

PURPOSE:

Service under this schedule is intended to maximize the efficient utilization of the electricity requirement of existing residential dwellings inhabited by customers that meet income guidelines through the installation of permanent energy efficient materials.

APPLICABLE:

To residential Customers residing in single family, multi-family and manufactured home dwellings billed under Schedule 16 or Schedule 17 in all territory served by the Company in the State of Washington. This schedule is applicable to existing dwellings with permanently installed operable electric space heating designed to heat the living space of the dwelling, except as noted under the energy efficient measures section of this tariff.

DESCRIPTION:

Service under this program is available to improve the energy efficiency of applicable residential dwellings connected to Company's system. The decision to extend service under this schedule shall be based on eligibility requirements contained herein.

DEFINITIONS:


- (1) "Dwelling" means real or personal property within the state inhabited as the principal residence of a dwelling owner or a tenant. "Dwelling" includes a manufactured home, a single-family home, duplex or multi-unit residential housing. "Dwelling" does not include a recreational vehicle.
 - (a) Duplexes and fourplexes are eligible if at least one half of the dwelling is occupied by low income tenants.
 - (b) Triplexes and multi-family dwellings are eligible if at least 66% of the units are occupied by low income tenants.
- (2) "Agency" means a non-profit group, Municipality or County authorized to receive funds for installation of weatherization materials in low income properties.
- (3) "Energy Audit" means a service provided by the Agency that includes the measurement and analysis of the energy efficiency of a dwelling including energy savings potential that would result from installing energy efficient measures that are determined to be cost effective.
- (4) "Low Income" means households qualifying under the federal low income guidelines and certified for eligibility according to agency procedure.
- (5) "Major Measures" means ceiling insulation, wall insulation and floor insulation applicable in dwellings with permanently installed electric space heating systems. If physical barriers exist that prohibit the installation of a measure, then the measure is not required as a condition for financial assistance under this schedule.

(continued)

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WN U-75

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**Schedule 114
RESIDENTIAL ENERGY EFFICIENCY RIDER – OPTIONAL FOR QUALIFYING
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DEFINITIONS: (Continued)

- (6) "Supplemental Measures" are not required measures under this schedule, but may qualify for a Company reimbursement based on audit results or a U.S. Department of Energy approved priority list.
- (7) The "Energy Matchmaker Program" in the State of Washington is designed to increase resources for low-income weatherization by leveraging local matching dollars. A community based agency can access the Energy Matchmaker funds by providing a dollar-for-dollar match. Anticipated match providers include utilities, local governments, service organizations and rental housing owners. All measures installed under the Pacific Power Program must also be eligible under the Energy Matchmaker Program.

FINANCIAL ASSISTANCE:


- (1) The Company will reimburse the "Agency" 50% of the installed cost of all eligible Energy Efficient Measures listed in this tariff. If Matchmaker Program participating Agencies exhaust Matchmaker Funds, Company will fund "Agency" 100% of costs associated with the installation of eligible Energy Efficient Measures. Measures will be determined to be cost effective (Savings to Investment Ratio of 1.0 or greater) through the results of an U.S. Department of Energy (DOE) approved audit or priority list. Financial assistance will be provided one time only on any individual major or supplemental measure, and up to two times per dwelling.
- (2) The Company will reimburse the "Agency" for administrative costs when all major measures determined to be cost effective have been installed. The administrative reimbursement will be calculated as: 15% of the Pacific Power rebate.
- (3) The Company will reimburse the "Agency" 50% of the installed cost of repairs necessary to make the installation of the energy efficient measures included in this effective tariff. When matching funds are exhausted funding will be at 100%. The total reimbursement on repairs available to the "Agency" is limited to 15% of the annual reimbursement on energy efficient measures received.
- (4) Agencies must notify Company when matching funds are depleted, no less than 30 days prior to billing at 100% funding levels.
- (5) Agencies must invoice the Company within ninety days of job completion.

(continued)

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**Schedule 114
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ENERGY EFFICIENT MEASURES:

Financial assistance will be provided based on the results of a cost-effective analysis (Savings to Investment Ratio of 1.0 or greater) through the use of a U.S Department of Energy approved energy audit or priority list. The energy efficient measures eligible for funding must be installed in dwellings with permanently installed operable electric space heat except where noted. Each measure life used in the cost-effective analysis is included in the Washington Department of Commerce's Weatherization Manual. The energy efficient measures that may be eligible for funding are listed as follows:

Major Measures:

- (1) Ceiling insulation up to R-49 for ceilings with less than R-30 in place, and vapor barrier materials required when installed with ceiling insulation. R-30 or better attics will not be further insulated.
- (2) Floor insulation over unheated spaces up to R-30, and ground cover and other vapor barrier materials as required when installed with floor insulation.
- (3) Wall insulation or exterior insulation sheathing up to R-26 for walls with no insulation installed (financing will not be available for the installation of urea-formaldehyde wall insulation).

Nothing shall preclude the Company from providing a reimbursement for the installation of a greater R value of insulation for the above items that are determined to be cost effective (Savings to Investment Ratio of 1.0 or greater) through the audit process.

Supplemental Measures:


- (1) Attic ventilation, excluding power ventilators when installed with ceiling insulation (required if needed at the time ceiling insulation is installed). Whole house mechanical ventilation, and spot ventilation for kitchen and baths.
- (2) Forced air electric space heating duct insulation and sealing in unheated spaces.
- (3) Weather stripping and/or caulking, including blower door assisted air sealing.
- (4) Thermal doors.

(continued)

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ENERGY EFFICIENT MEASURES: (continued)

Supplemental Measures:


- (5) Dehumidifiers.
- (6) Timed thermostats on centrally controlled multi-room heating systems except when used with heat pumps. Heat anticipating type thermostats for zonal electric resistance heating systems. Zonal thermostats must be separate from the heating unit and must be calibrated at the site to within 2°F of actual room temperature in the range of 65°F-75°F.
- (7) Energy efficient showerheads, aerators and water pipe wrap where electric water heaters are present. Showerheads with a visible flow rating greater than 2.5 gallons per minute (gpm) will be replaced, and showerheads without a gpm marking may be replaced at the discretion of agency staff.
- (8) Water heater blankets: Installed where tank is located in an unconditioned space and in compliance with the Washington Department of Commerce Weatherization Manual.
- (9) Water heaters: Tank replacement of existing electric water heaters. Replacement will be a model with an EF rating as follows: <= 55 gallon capacity = 0.94 or greater, > 55 gallon capacity = 2.2 EF or greater. Heat pump water heaters meeting Northwest Energy Efficiency Alliance Northern Climate Specifications replacing an existing electric water heater.
- (10) Light emitting diode (LED) and/or fluorescent light fixtures applicable in all homes.
- (11) Compact fluorescent light and/or light emitting diode (LED) bulbs applicable in all homes. Energy Star certified bulbs placed in fixtures that are on 2 or more hours per day.
- (12) Refrigerators applicable in all homes: Refrigerators with monitored results or listed in the Weatherization Assistance Program Technical Assistance Center database may be replaced with a model with an estimated annual consumption of 600 kWh or less when a SIR of 1.0 or greater is indicated. Replaced refrigerators must be removed and recycled in accordance with EPA guidelines.
- (13) Ductless heat pumps may be installed to replace permanently installed electric heat.
- (14) Replacement windows with a U-value of 0.30 or less.

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LOW INCOME CUSTOMERS**

PROVISIONS OF SERVICE:

- (1) A Department of Energy approved Energy Audit must be completed or an approved priority list used by the Agency prior to installation of the measures by the Agency.
- (2) Agency must qualify residential customers for assistance using the Federal Low Income Guidelines.
- (3) Measures installed under this schedule shall not receive financial incentives from other Company programs.
- (4) Agency shall inspect the installation to ensure that the weatherization meets or exceeds required specifications.
- (5) Company may audit Agency weatherization and financial records and inspect the installations in dwellings of customers receiving weatherization under this program. Records will include audit and/or priority list results.
- (6) Company shall pay the Agency the amount established under the terms of their contract when provisions of this schedule have been met.

RULES AND REGULATIONS:

Service under this schedule is subject to the General Rules and Regulations contained in the tariff of which this schedule is a part, and to those prescribed by regulatory authorities.

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By: William R. Griffith William R. Griffith

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