

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. (D)

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:

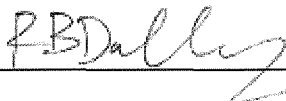
- (1) "Dwelling" means real or personal property within the state inhabited as the principal residence of a dwelling owner or a tenant. "Dwelling" includes a manufactured home, a single-family home, duplex or multi-unit residential housing. "Dwelling" does not include a recreational vehicle.
 - (a) Duplexes 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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Second Revision of Sheet No. 114.3
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Schedule 114
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LOW INCOME CUSTOMERS

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. The installation of measures listed as "Always considered cost effective" under Major and Supplemental Measures are not dependent on audit results. The energy efficient measures that may be eligible for funding are listed as follows along with their estimated measure life where applicable:

Major Measures:

- (1) Ceiling insulation up to R-49 for ceilings with less than R-30 in place. R-30 or better attics will not be further insulated: 45 years. (C)
- (2) Floor insulation over unheated spaces up to R-30: 45 years. (C)
- (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): 45 years. (C)

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: Always considered cost effective. (D)
- (2) Ground cover and water pipe wrap when installed with floor insulation; other vapor barrier materials as required when installed with floor or ceiling insulation: Always considered cost effective.
- (3) Forced air electric space heating duct insulation and sealing in unheated spaces: 20 years. (C)
- (4) Weather stripping and/or caulking, including blower door assisted air sealing and duct sealing: Always considered cost effective.
- (5) Thermal doors: 30 years.

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Second Revision of Sheet No. 114.4
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**Schedule 114
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ENERGY EFFICIENT MEASURES: (continued)
Supplemental Measures:

- (6) Dehumidifiers: Always considered cost effective.
- (7) 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: Always considered cost effective.
- (8) Energy efficient showerheads and aerators 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: Always considered cost effective.
- (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: 15 years. (D)
(D),(C)
(D),(N)
(N),(C)
- (10) Light emitting diode (LED) and/or fluorescent light fixtures applicable in all homes: 15 years. (N)
- (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: Always considered cost effective: 7 years. (N),(D)
(D)
- (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: Always considered cost effective: 15 years. (D)
(D),(N)
(N)
- (13) Ductless heat pumps may be installed to replace permanently installed electric heat: 15 years. (N)
- (14) Replacement windows with a U-value of 0.30 or less: 45 years. (C)

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