



Energy Services Section  
Housing Stabilization Division  
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**E-mail MEMO:**  
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# MEMO

**WX-2015-4**

**TO:** Agency Directors, Fiscal Officers and Weatherization Coordinators  
**FROM:** Chris Shoopman, Weatherization Program Coordinator  
**RE:** Bonneville Power Administration 2015-2017 Grant Highlights  
**DATE:** 10/20/2015

Greetings,

The 2015-2017 Bonneville Power Administration Oregon Low-Income Weatherization State Grant has been finalized. It is vital that funds are expended within the fiscal year they are allocated (10/1-9/30). OHCS will be tracking spend down rates and if necessary will reallocate funds to ensure funds are expended in a timely manner.

The highlights of this grant are as follows:

- 1) Program
  - a. The period of performance for this contract is October 1, 2015 through September 30, 2017. The total amount awarded for year one of the grant is \$1,516,598.
  - b. Total administrative costs for the Recipient and Sub-recipients shall not exceed 15 percent.
  - c. Authorized expenditures include the cost of all “cost-effective” measures. Cost-effective measures are determined to be equal to or greater than 1.0 savings-to-investment ratio (SIR). All SIR criteria apply only where SIR is explicitly calculated. Other allowable measures as defined in Sections 4, 5 & 6 are not required to pass the SIR cost-effective test as described in 10 CFR 440 unless otherwise indicated.
  - d. When calculating SIR, the utilization of either actual utility rates, or EIA (Energy Information Administration) average utility rates are permitted. OHCS will provide the averaged EIA rates on an annual basis.
  - e. BPA will not restrict the amount of funds to any residence as long as the measures meet either the SIR of 1.0 and/or deemed measures are installed.



- f. Funds from a BPA Utility Customer, which were derived from BPA either from credits, power purchase contracts, or as Administrative support, shall not be used in combination with funds from the BPA Low-Income Weatherization Assistance Program on individual measures, but may be blended with any funds within a single weatherization dwelling.

## 2) Environmental Indoor Air Quality

The Recipient shall maintain air quality in weatherized homes by conforming to the DOE WAP standards and/or the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) standards or to applicable state or local code, whichever achieves the highest level of required ventilation.

When providing only energy education and/or baseload services, ASHRAE 62.2 ventilation standards are optional. However, the required moisture or mold assessment must be completed, and if any moisture-related air quality issues are identified, ASHRAE 62.2 ventilation standards shall be followed.

## 3) Low-Income Weatherization

The specifications and procedures required in the US DOE Weatherization Assistance Program, 10 CFR Part 440, shall be adhered to for Eligible Dwelling Units treated under this program unless otherwise identified specifically within this Grant.

- a. Health and safety repairs are an authorized expenditure. The cost shall not exceed 30 percent per total dwelling cost on average.
- b. Local Service Providers may create a separate BPA waiting list rather than require the Weatherization applicant in BPA service territory to remain on any other waiting list.
- c. Eligible Dwelling Units (EDU) may be weatherized regardless if the Eligible Low-Income Participants or Eligible Dwelling Unit received weatherization program services in the past.
- d. Weatherization-related repairs are an authorized expenditure. The cost shall not exceed 30 percent per total dwelling cost on average.
- e. An authorized expenditure is a repair or replacement of electrical heaters or furnaces if they are no longer working or fail to heat the dwelling properly.



3) e. - continued

The repair or replacement of electric heaters or furnaces in an Eligible Dwelling Unit must be accompanied by additional cost-effective major weatherization measures, ensuring maximum energy efficiency of the electricity used by the repaired or replaced heaters or furnaces.

4) Appliances Covered under this Grant

a. Refrigerator Replacements

i) Energy Efficient Refrigerators are an authorized expenditure under this grant. This program shall be implemented consistently with the current DOE requirements for implementation of these same measures, or any other protocol that is accepted by BPA.

ii) Authorized expenditures for the cost of the replacement refrigerator are at 100 percent of the refrigerator cost.

b. Clothes Washer Replacements

Clothes washers which are “Energy Star” rated shall replace existing clothes washers if the existing clothes washer is not Energy Star rated. All Energy Star rated clothes washers are deemed to be cost effective under this program. The size and model of the appliance shall be standard, and reasonably priced. The maximum reimbursement is \$800. Clothes washer replacements must be supported by three quotes.

c. Microwave Ovens

A new microwave oven shall be provided if electric cooking exists and there is no working microwave oven available. The existing microwave oven shall be replaced with a new microwave oven if the existing microwave oven is not functional. The existing nonfunctional microwave oven shall be removed and taken to a facility for recycling. Authorized expenditures for the cost of the replacement microwave ovens are at 100 percent of the microwave oven cost.

d. Standard Heat Pump Replacements

Installations of this measure must be matched with at least a 50 percent payment from sources other than those provided under this grant or any other BPA funding source.

- e. Ductless Heat Pumps (DHP)
  - i) Installation of one DHP per existing residence is allowed in homes with zonal electric heat, and electric forced air furnaces. Reimbursement for this measure is dollar-for-dollar up to a maximum of \$3800.
  - ii) The DHP must be a split system heat pump employing inverter-driven outdoor compressor, with inverter-driven or variable-speed indoor blowers
  - iii) The DHP model must be listed on the BPA's DHP Qualified Product List which can be located at:  
<http://www.bpa.gov/EE/Sectors/Residential/Pages/Ductless-Heat-Pumps.aspx>
  - iv) Ducted indoor DHP units do not qualify.
  - v) The system must meet a Heating Seasonal Performance Factor (HSPF) requirement of 9.0 for single-head systems and 8.0 for multi-head systems.
  - vi) Homes where plug-in electric heaters are the primary heating system in the home also qualify for BPA DHP payment.
  - vii) DHPs can be installed independent of the SIR calculation

5) Low-Income Energy Efficiency Education

- a. The scope of the Low-Income Weatherization Program shall be expanded to include certain electrical measures beyond those related to heating loads. These additional measures shall be those contained under the Energy Efficiency Education program described below.
- b. The Recipient may provide Low-Income Energy Efficiency Education to clients consistent with the program approved by US DOE for this endeavor.
  - i) The Recipient can spend up to 20 percent of the funds available through this grant to pay for Low-Income Energy Efficiency Education.
  - ii) The Recipient shall provide the Eligible Low-Income Participants with written information which informs them that the program is funded by BPA.
  - iii) The Recipient shall obtain signed documentation from the head of household for each visit (should a visit occur) verifying that the education occurred.



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6) Efficient Lighting

- a. Compact Fluorescent Light bulbs (CFL): The Recipient may provide for all CFL replacements in an EDU. All CFLs must be Energy Star rated. All costs associated with this effort are authorized expenditures under this grant.
- b. Light Emitting Diodes (LED): Solid state lighting (LED bulbs) must be Energy Star qualified or listed on the Lighting Design Lab (LDL) Qualified LED Lamp List as integral omnidirectional, directional or decorative. The Recipient may provide for all LED replacements in an EDU.

If you have any questions, please contact me at (503) 986-0972.

Best regards,

Chris Shoopman  
Weatherization Coordinator