

**Rocky Mountain Power’s Planned Changes to the
Home Energy Savings Program in Idaho
July 2018**

PacifiCorp (Company) is planning to make modifications to the Home Energy Savings program (HES Program) for residential customer energy efficiency, which is offered through Schedule 118. The HES Program offers incentives and services for residential energy efficiency projects. The proposed changes are designed to streamline incentive tables and remove barriers to enable the Company to keep measure qualifications current with market conditions and industry standards.

Consistent with the change process for the HES Program, approved in Order 29976 in Case No. PAC-E-05-10, and summarized in the tariff Provision of Service No. 5:

All changes will occur with a minimum of 45 days’ notice, be prominently displayed as a change, include a minimum 45 day grace period for processing prior offers (except for manufacturer buy-down incentive delivery) and be communicated at least once to retailers who have participated within the last year.

After receiving and addressing comments from the Idaho Public Utilities Commission staff (“IPUC Staff”), the proposed changes will be posted on the HES Program website¹ 45-days prior to becoming effective and implemented.

Background

The HES Program within the Company’s Idaho service area was launched on May 31, 2006. The last changes made to the HES Program were implemented March 30, 2017 to allow incentives for Heat Pump Water Heaters exceeding the Tier 2 threshold, re-implement energy savings kits, and remove all CFL offerings to address the market shift to LEDs.

Description of Planned Home Energy Savings Changes

The Company proposes to streamline the current incentive tables by maintaining specific qualifications for measures on the HES Program website, and remove them from the flexible tariff tables. Qualifications for energy efficiency measures are in a continuous state of change with new technologies, updates to federal standards, and higher code baselines. By maintaining measure qualifications on the HES Program website, the Company can proactively keep its offerings current with market conditions and industry standards, rather than updating them on an individual basis through 45-day notices. If any maximum “up to” incentive levels need to be adjusted or new measures need to be added, these types of changes will still occur through the 45-day notice process described above from Order 29976.

The revised HES Program incentive tables are included in Exhibit 1, with redlined edits included in Exhibit 2. It should be noted that there are no changes being made to incentive levels. The qualifications column is being removed and some measures have been consolidated to streamline

¹ <http://www.homeenergysavings.net/Idaho>

the tables. As noted in the definitions section, qualifications and installation requirements are subject to change and can be found on the HES Program website.

Cost-Effectiveness

Given that incentive maximum “up to” incentive levels are not changing and no new offerings are proposed, the proposed changes to the incentive tables in Exhibits 1 and 2 are not anticipated to materially affect cost-effectiveness for the HES Program.

Exhibits Provided

Exhibit 1 - Idaho HES Incentive Tables – Planned

Exhibit 2 - Idaho HES Incentive Tables – Redlined Changes

EXHIBIT 1

Idaho Home Energy Savings Incentive Program – Current Offerings with Proposed Changes to Measures, Incentives, and Qualifications

This document includes the following three sections:

- Definitions of terms used in program documents
- Incentives – General Information
- Incentive tables

Definitions

Customer: Any party who has applied for, been accepted and receives service at the real property, or is the electricity user at the real property.

Energy Efficiency Incentive: Payments of money made by Company to Owner or Customer or other approved party for installation of an Energy Efficiency Measure pursuant to an approved Energy Efficiency Incentive Application.

Energy Efficiency Incentive Application: An application submitted by Owner or Customer to Rocky Mountain Power for Energy Efficiency Incentives.

Energy Efficiency Measure (EEM): A permanently installed measure which can improve the efficiency of the Customer's electric energy use.

New Home: A newly constructed residence.

Mid-Market: An approved third party (typically a contractor, manufacturer, or retailer) who installs Energy Efficiency Measures at the real property or sells Energy Efficiency Measures.

Owner: The person who has both legal and beneficial title to the real property, and is the mortgager under a duly recorded mortgage of real property, the trustor under a duly recorded deed of trust.

Prescriptive incentives: Maximum per unit incentives are listed in the program incentive tables for specific EEMs. Incentives are subject to change and current incentives can be found at <http://www.homeenergysavings.net/Idaho>.

Qualification and Installation Requirements: Requirements that must be met in order to receive an incentive for any EEM. Requirements are subject to change and current requirements can be found at <http://www.homeenergysavings.net/Idaho>.

Table 1 - Appliance Incentives

Measure	Customer/Mid-Market Incentive “Up To”
Clothes Washer	\$50
Evaporative Cooler	Tier 1 - \$75 Tier 2 - \$150
Room Air Conditioner	\$20
Heat Pump Water Heater	Tier 1 - \$600 Tier 2 and above - \$700
Advanced Power Strips	\$60
Smart Thermostat	\$100

Table 2 - Weatherization Incentives

Measure	Customer/Mid-Market Incentive “Up To”
Insulation – Attic	\$0.50/sf.
Insulation – Floor	\$0.50/sf.
Insulation – Wall	\$0.65/sf.
Windows	Tier 1- \$1.00/sf Tier 2- \$3.00/sf

Table 3 - HVAC Incentives

Measure	Customer/Mid-Market Incentive “Up To”
Central Air Conditioner	\$100
Duct Sealing and Insulation	\$450
Duct Sealing Only – Pre-Insulated Ducts	\$250
Heat Pump Upgrade	\$500
Heat Pump Conversion	Tier 1 - \$750 Tier 2 - \$850
Heat Pump Best Practices Installation and Proper Sizing	\$250
Ductless Heat Pump	\$800
95% Gas Furnace Equipped w/ Electrically Commutated Blower Motor	\$250
Ground Source Heat Pump Upgrade from Air Source Heat Pump (ASHP)	\$2,000
Ground Source Heat Pump Conversion from Forced Air Furnace	\$3,000
Whole Home Upgrade Package	\$1,000
Manufactured Homes Duct Sealing	\$750

Table 4 - Lighting Incentives

Measure	Customer/Mid-Market Incentive “Up To”
LEDs (Light Emitting Diodes) - General	\$13.00
LED – Specialty	\$9.00
LED – Downlight	\$13.00
LED Fixture	\$10

Table 5 - Plumbing Incentives

Measure	Customer/Mid-Market Incentive “Up To”
Low Flow Showerheads	\$31
Low Flow Faucet Aerators	\$5

Table 6 - New Homes Incentives

Measure	Customer/Mid-Market Incentive “Up To”
New Homes Heat Pumps	\$500
New Homes Ductless Heat Pumps	\$1,300
New Homes Heat Pump Water Heater	\$700
New Homes Windows	\$3.00/sf.
New Homes Whole Home Performance Path	\$5000
New High Performance Manufactured Homes	\$2,000
New Manufactured Homes ENERGY STAR	\$1,000
New Manufactured Homes Eco-rated Homes	\$1,250

EXHIBIT 1

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Energy Efficiency Measure (EEM): A permanently installed measure which can improve the efficiency of the Customer's electric energy use.

New Home: A newly constructed residence.

Mid-Market: An approved third party (typically a contractor, manufacturer, or retailer) who installs Energy Efficiency Measures at the real property or sells Energy Efficiency Measures.

Owner: The person who has both legal and beneficial title to the real property, and is the mortgager under a duly recorded mortgage of real property, the trustor under a duly recorded deed of trust.

Prescriptive incentives: Maximum per unit incentives are listed in the program incentive tables for specific ~~Energy Efficiency Measures (EEMs)~~.- Incentives are subject to change and current incentives can be found at <http://www.homeenergysavings.net/Idaho>.

Qualification and Installation Requirements: Requirements that must be met in order to receive an incentive for any EEM. Requirements are subject to change and current requirements can be found at <http://www.homeenergysavings.net/Idaho>.

Table 1 - Appliance Incentives Table

Measure	Qualifications	Customer/Mid-Market Incentive “Up To”
Clothes Washer	CEE Tier 2 and above, see list on program website. Homes equipped with gas domestic water heating and gas dryer do not qualify for the incentive.	\$50
Evaporative Cooler	See additional installation requirements on program website. Larger equipment must be a new install. Replacement of existing unit does not qualify. Customers may self install.	Tier 1 2,000—3,499 CFM - \$75 Tier 2 >3,499 CFM - \$150
Room Air Conditioner	ENERGY STAR, see list on program website	\$20
Heat Pump Water Heater	NEEA Northern Climate Specification	Tier 1 - \$600 Tier 2 and above - \$700
Advanced Power Strips	Power strip must have occupancy, infrared, or load sensor and automatically shut off the plug loads when no motion or reduced load is detected for a period of time	\$60
Smart Thermostat	Wi-Fi enabled, programmable, online dashboard and/or mobile device app, occupancy sensor. Occupancy sensing units must be enabled. Only electrically heated homes are eligible for an incentive. Customers may self install unit.	\$100

Notes for appliance incentives:

EF = Energy Factor

MEF = Modified Energy Factor

CEE = Consortium for Energy Efficiency

CFM = Cubic Feet per Minute

Table 2 - Weatherization Incentives Table

Measure	Qualifications	Customer/Mid-Market Incentive “Up To”
Insulation – Attic	Pre-existing < R-11. Final insulation minimum of R-49. Only electrically heated homes are eligible. See additional installation requirements on program website. Customers may self-install.	\$0.50/sf. for electrically heated home
Insulation – Floor	Pre-existing < R-11. Final insulation minimum of R-30. Electrically heated homes only. See additional installation requirements on program website. Customers may self-install.	\$0.50/sf. for electrically heated home
Insulation – Wall	No existing insulation. Final insulation minimum of R-13, or fill cavity. See additional installation requirements on program website. Only electrically heated homes are eligible for incentive.	\$0.65/sf. for electrically heated home
Windows	Electrically heated homes only. See additional installation requirements on program website. Customers may self-install.	Tier 1- U factor of 0.30 or lower \$1.00/sf for electrically heated home Tier 2- U factor of 0.22 or lower-\$3.00/sf for electrically heated home

Notes for weatherization incentive table:

1. For Windows, homes must be heated with electric heating (forced air furnace, heat pump or zonal heating) system serving at least 80% of the home’s conditioned floor area in order to qualify.
2. For Insulation – Attic, Wall, and Floor, homes must have electric heating (forced air furnace, heat pump or zonal heating) system serving at least 80% of the home’s conditioned floor area in order to qualify.

R-Value = Thermal resistance of a material

U-Factor = Inverse of R-value used to measure the amount of heat transmitting through a square foot of material

Table 3 - HVAC Incentives Table

Measure	Qualifications	Customer/ Mid-Market Incentive “Up To”
Central Air Conditioner	Equipment must be 15+ SEER/12.5 EER. Equipment must be installed by a participating program trade ally. See additional installation requirements on program website.	\$100
Duct Sealing and Insulation	Minimum of 10 feet exposed duct work in unconditioned space, Pre-existing duct insulation must be R-2 or less and duct work must be insulated to R-8 or greater with all physically accessible duct work in unconditioned space sealed and insulated according to specifications in the HVAC trade ally program manual. Home must have a ducted electric heating system or heat pump serving 80% of the home’s conditioned floor area.	\$450
Duct Sealing Only – Pre-Insulated Ducts	Pre-existing insulation level must be R-2 or greater, require a minimum of 10 feet of ducts in unconditioned space. All physically accessible ducts located outside conditioned space must be sealed according to specifications in the HVAC trade ally program manual. Home must have a ducted electric heating system or a heat pump serving 80% of the home’s conditioned floor area.	\$250
Heat Pump Upgrade to 9.0 HSPF with Best Practices Installation and Proper Sizing	For upgrade of existing heat pump to new high efficiency heat pump. New heat pump must be 9.0 HSPF with recommended Best Practices Installation & Proper Sizing. The equipment must be installed by a Qualified trade ally and recommended Best Practices Installation and Proper Sizing requirements must be met as outlined in the HVAC trade ally program manual.	\$500
Heat Pump Conversion to 8.5 HSPF with Best Practices Installation and Proper Sizing Tier 1	Must replace a permanently installed electric resistance heat system (i.e. electric baseboard, ceiling/wall heater or an electric forced air furnace). New heat pump must be 8.5 HSPF heat pump with required Best Practices Installation & Proper Sizing. The equipment must be installed by a Qualified trade ally and recommended Best Practices Installation and Proper Sizing requirements must be met as outlined in the HVAC trade ally program manual.	Tier 1 - \$750 Tier 2 - \$850

Measure	Qualifications	Customer/ Mid-Market Incentive “Up To”
Heat Pump Conversion to 9.0 HSPF with Best Practices Installation and Proper Sizing Tier 2	Must replace a permanently installed electric resistance heat system (i.e. electric baseboard, ceiling/wall heater or an electric forced air furnace). New heat pump must be 9.0 HSPF heat pump with required Best Practices Installation & Proper Sizing. The equipment must be installed by a Qualified trade ally and recommended Best Practices Installation and Proper Sizing requirements must be met as outlined in the HVAC trade ally program manual.	\$850
Heat Pump Best Practices Installation and Proper Sizing	Measure is available to all new heat pump installations with minimum 8.2 HSPF (or current federal standard) and no greater than 8.9 HSPF. Measure cannot be combined with Heat Pump Upgrade as this service is already a requirement for that measure. Must be installed by a Qualified program contractor. The sizing and installation of the equipment must meet program requirements as outlined in the HVAC trade ally program manual.	\$250
Ductless Heat Pump	New heat pump must be 9+ HSPF, 16+ SEER with an inverter driven outdoor compressor unit and a variable speed fan for indoor blower and be fully ductless. Single and multi-head units qualify. Existing heating system must be a permanently installed electric resistance system (i.e. electric baseboard, ceiling/wall heater or an electric forced air furnace) and must serve at least 80% of the home's conditioned floor area. This measure is not offered to customers replacing an existing air source heat pump, and is limited to one unit per residence.	\$800
95% Gas Furnace Equipped w/ Electrically Commutated Blower Motor	95% AFUE gas furnace equipped with an ECM in houses with central air conditioning. Combined supply and return static pressure needs to be between 0.35-0.65 wei (87-162 pa) when installed. Home must be electrically cooled (central air conditioner serving at least 80% of the home's conditioned floor area) to qualify. The job must be performed by a program participating trade ally to program requirements as outlined in the HVAC trade ally program manual.	\$250

Measure	Qualifications	Customer/ Mid-Market Incentive “Up To”
Ground Source Heat Pump Upgrade from Air Source Heat Pump (ASHP)	ENERGY STAR-rated geothermal heat pump 3.6 COP and 16.2 EER open or closed loop system. This measure is not available to homes already equipped with a geothermal system, but rather for the upgrade from an air source heat pump. The equipment must be installed by a participating trade ally and meet requirements as outlined in the HVAC trade ally program manual.	\$2,000
Ground Source Heat Pump Conversion from Forced Air Furnace	For replacement of current permanently installed electric resistance heating system with a new ENERGY STAR-rated geothermal heat pump 3.6 COP and 16.2 EER open or closed loop system. The equipment must be installed by a participating trade ally and meet requirements as outlined in the HVAC trade ally program manual.	\$3,000
Whole Home Upgrade Package	<p>Install all of the following per Program requirements:</p> <p><u>Electrically heated homes:</u></p> <ul style="list-style-type: none"> ● Heat Pump Conversion with Best Practices for Installation and Proper Sizing Tier 2, or Heat Pump Upgrade with Best Practices for Installation and Proper Sizing, or Ductless Heat Pump ● Duct Sealing & Insulation ● Attic Insulation <p>Incentive will vary based on type and quantity of measures installed.</p>	\$1,000
Manufactured Homes Duct Sealing	Must have ducted electric heating system serving at least 80% of the home's floor area. Existing insulation should only be removed if it is being replaced.	\$750

Notes for HVAC incentive table:

~~CAC = Central Air Conditioner~~

~~SEER = Seasonal Energy Efficiency Ratio~~

~~EER = Energy Efficiency Ratio~~

~~HSPF = Heating Seasonal Performance Factor~~

~~HVAC = Heating, Ventilating and Air Conditioning~~

~~TXV = Thermal Expansion Valve~~

~~CFM = Cubic Feet per Minute~~

~~AFUE = Annual Fuel Utilization Efficiency~~

~~ECM = Electronically Commutated Motor~~

WCI = Water Column Inch
 PA = Pascal
 COP = Coefficient of Performance

Table 4 - Lighting Incentives Table

Measure	Qualifications	Customer/Mid-Market Incentive "Up To"
LEDs (Light Emitting Diodes) - General	ENERGY STAR qualified LED A-lamp lighting	\$13.00
LED – Specialty	ENERGY STAR qualified LED specialty LEDs	\$9.00
LED – Downlight	ENERGY STAR qualified LED downlights	\$13.00
LED Fixture	ENERGY STAR qualified, torchiere or portable do not qualify.	\$10

Notes for lighting incentive table:

1. Reduced price LED offer may end early if entire LED allocation is sold.

Table 5 - Plumbing Incentives Table

Measure	Qualifications	Customer/Mid-Market Incentive "Up To"
Low Flow Showerheads	Unit Flow Rate \leq 2.00 GPM	\$31
Low Flow Faucet Aerators	Unit Flow Rate \leq 1.50 GPM	\$5

Table 6 - New Homes Incentives Table

Measure	Qualifications	Customer/Mid-Market Incentive “Up To”
New Homes Heat Pumps	≥ 9.0 HSPF and must meet Best Practices Installation & Proper Sizing requirements.	\$500
New Homes Ductless Heat Pumps	≥ 9.0 HSPF, single head or multi-head unit	\$1,300
New Homes Heat Pump Water Heater	Northern Climate Specification Qualified	\$700
New Homes Windows	Install windows with a U Factor ≤ 0.22 Primary heat source must be electric.	\$3.00/sf.
New Homes Whole Home Performance Path	To align with regional New Homes offerings, the Program will offer incentives to builders based on the new home’s percentage improvement beyond prevailing state code, beginning at 15% better than code and increasing. The home’s performance will be modeled and verified by an independent third party and the models will be delivered to the program for final savings and incentives calculations. Additional details on Program website.	\$5000 Note: Customers who use the performance path method are not eligible for standalone measures.
New High Performance Manufactured Homes	Home must meet NEEA specifications and receive high performance certification by incorporating energy efficient enclosure design and construction, HVAC systems, water heating, lighting, and appliances.	\$2,000
New Manufactured Homes ENERGY STAR	Home must receive ENERGY STAR certification by incorporating an energy efficient building enclosure design, air distribution system, and equipment.	\$1,000
New Manufactured Homes Eco-rated Homes	Home must receive Eco-rated certification by achieving efficiency metrics in energy, material, water, construction practice, and indoor air quality.	\$1,250