

Residential Program Details

Home Energy Savings (Schedule 118)

Years of Implementation

Pacific Power Electric Service Schedule No. 118 for the Home Energy Savings Program was submitted under Advice Letter No. 06-004 on August 11, 2006. The program was initially approved with an effective date of September 14, 2006.

Program Description

The program provides a broad framework to deliver incentives for more efficient products and services for Washington residential customers with a new or existing home, multi-family unit or manufactured home. A third party administrator hired by the Company delivers the savings and incentives of the program. Operating in tandem, Schedule 118 and the program website (<https://wattsmartsavings.net/washington-residential>) inform customers and contractors of the offerings and qualifications for incentives.

Measures and services eligible for incentives include efficient clothes washers, heat pump water heaters, light emitting diode (“LED”) lighting, lighting fixtures, heating and cooling equipment, HVAC equipment, HVAC duct sealing, insulation, and windows. The program offers mail-by request Wattsmart Starter Kits containing free LEDs and customers with electric water heat also receive a free showerhead and aerators. In addition, the program includes a performance path option as well as standalone measures for new homes and separate measures for manufactured and multifamily homes.

Incentives are provided in three ways: post-purchase delivery to the customer for the majority of measures, through a retailer and/or manufacturer buy-down for LEDs and fixtures, and direct installation of a measure where the program pays all of the measure and installation cost so there is no cost to the customer. Buy-downs result in lower retail prices for customers at the point of purchase as opposed to post-purchase incentives that customers must submit an application to receive.

Complete details on incentives and services are on the program website and in the tables and copy of the program tariff below.

Program Updates for 2020

The Home Energy Savings program was updated in the third quarter of 2020 using the program change process (including Advisory Group review and comment) described below. The changes are effective on August 1, 2020. The information provided in this business plan reflects the program offers/qualification on August 1, 2020. The update is a 25% increase in incentives for most measures. The incentive increases are a proactive response to the coronavirus pandemic that is impacting customer participation forecasts for program activity.

Planned Program Changes

Future changes including measure additions, deletions, and changes in qualifying standards will be based on cost-effectiveness, participation and evolving codes and standards.

Evaluation Update

Last Evaluation Report(s):

Program Years
2017-2018

Evaluation Report Date
December 4, 2019

Completed by
ADM

Program Details

General program details for this program are contained in the program tariff; additional program detail is available on the program website. Any changes to the details included in the program tariff must be filed and approved by the Commission prior to becoming effective. In addition, there are program details managed outside of the program tariff.

The following is provided for reference: The program tariff and the text below from the Advice Letter (Docket UE-061297), filed August 11, 2006, describe the information that is managed outside of the tariff and the process for changes.

The comprehensive nature of the program and changing equipment standards indicate a flexible and market-driven program delivery is required. The Company is proposing that Schedule 118 outline the basic program elements including customer eligibility, use of a program administrator for delivery, the seasonal nature of selected incentive offers, and that current incentive levels may change. Specific details such as incentive levels, eligible equipment specifications and dates for incentive availability would be managed by the program administrator using a dedicated program Web site with easy links from the Company web site.

Changes in equipment eligibility or minimum efficiency levels would be driven by program and market data. The Company and program administrator will be assessing program performance on an on-going basis and proposing changes at least once per year. Changes may be proposed more frequently if there is compelling market feedback that changes need to occur ahead of the annual changes. Similar to the filing process, the Company would present information on proposed changes to its Advisory Group and seek comments prior to making changes. Changes in equipment specifications or incentive levels would be clearly posted on the Web site and emailed to the appropriate Commission staff person with at least 45 days advance notice.

The incentive tables, program definitions and custom incentives offered are managed outside of the program tariff on the Company website via the process described above.

The following program information is contained either on the Company's website referenced above or in the program tariffs at the end of this business plan.

Washington Home Energy Savings

Definitions

British Thermal Unit (Btu): It is approximately the amount of energy needed to heat 1 pound of water from 39° to 40° Fahrenheit.

Contractor: Any party that is licensed to install or service HVAC, plumbing, or weatherization equipment or products.

Cubic Feet per Minute (CFM): A measurement of the velocity at which air flows into or out of a space.

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.

Direct Install: Installation of an Energy Efficiency Measure directly by the Program, or a Program-approved contractor or other 3rd party.

Downstream: Payment of incentive made by the Company to a customer, owner, contractor or other approved third party for the purchase or installation of an Energy Efficiency Measure pursuant to an approved energy efficiency incentive application.

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.

Gallons Per Minute (GPM): Volumetric flow rate used in rating equipment which saves water

Heating Seasonal Performance Factor (HSPF): Is the efficiency of heat pumps measured by the ratio of Btu heat output over the heating season to watt-hours of electricity used. The higher the number, the greater the efficiency.

Heating, Ventilation and Air Conditioning (HVAC): Refers to technology of indoor environmental comfort.

Integrated Modified Energy Factor (IMEF): Measures energy consumption of the total laundry cycle (washing and drying). It indicates how many cubic feet of laundry can be washed and dried with one kWh of electricity; the higher the number, the greater the efficiency.

Light Emitting Diode (LED): A semiconductor light source.

Manufactured Homes (mobile homes): A type of prefabricated housing that is largely assembled in factories and transported to the site of use. Units are at least 320 square feet and installed with a permanent chassis to assure the initial and continued transportability of the home.

Market Partner: An approved third party (contractor, retailer, dealer, wholesaler or manufacturer) who installs Energy Efficiency Measures at the real property or sells Energy Efficiency Measures to a Customer or Contractor. Applies to parties in the downstream, midstream, upstream, or direct install delivery channels.

Northwest Energy Efficient Manufactured Home (NEEM): Organization based in the Northwest that certifies new manufactured homes are built to various energy efficient standards such as ENERGY STAR or eco-rated.

New Home: A newly constructed single family residence.

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: Per unit incentives are listed in the program incentive tables for specific EEMs. Incentives are subject to change.

RTF: Regional Technical Forum

R-Value: Indicates insulation's resistance to heat flow. The higher the R-value, the greater the insulating effectiveness.

Seasonal Energy Efficiency Ratio (SEER): Is the efficiency of air conditioners measured by the cooling output in Btu during a typical cooling-season divided by the total electric energy input in watt-hours during the same period. The higher the unit's SEER rating the more energy efficient it is.

Utility Combined Energy Factor (UCEF): ENERGY STAR uses Combined Energy Factor to compare the energy efficiency of gas and electric clothes dryers in pounds per kilowatt hour. The higher the value, the more efficient the dryer is.

U-Factor: Measures the rate of heat transfer and indicates how well the window insulates. U-factor values generally range from 0.25 to 1.25 and are measured in Btu/h·ft²·°F. The lower the U-factor, the better the window insulates.

Upstream: Payment of incentive made by the Company directly to a manufacturer, retailer, or other pre-approved vendor to apply a pre-purchase discount for customers.

Incentives

Table 1 - Appliance Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
Clothes Washers	IMEF \geq 2.76	\$50 <u>\$62</u>	
Hybrid/Heat Pump Clothes Dryer	UCEF \geq 3.20	\$600 <u>\$750</u>	

Notes for appliance incentives table:

- Incentives for clothes washer apply to mid/upstream and/or downstream. Only one incentive will be provided per qualifying clothes washer.
- Incentives for clothes washers may be paid to the customer, retailer, and/or manufacturer and may be split between customer, retailer, and/or manufacturer. The sum of incentive payments per unit will not exceed the amounts listed in the table. The end use customer portion of the incentive will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.
- Homes must have either an electric water heating or an electric dryer heat for clothes washers to be eligible for incentives.
- Incentives for hybrid/heat pump clothes dryer apply to mid/upstream and/or downstream. Only one incentive will be provided per qualifying clothes dryer.
- Incentives for hybrid/heat pump clothes dryers may be paid to the customer, retailer, and/or manufacturer and may be split between customer, retailer, and/or manufacturer. The sum of incentive payments per unit will not exceed the amounts listed in the table. The end use customer portion of the incentive will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.
See additional requirements on program website.
- Acronyms:
IMEF: Integrated Modified Energy Factor
UCEF: Utility Combined Energy Factor

Table 2 - Lighting Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
LED Bulbs (General Purpose)	Qualified Product List	\$0	Up to \$3.00
LED Bulbs (Specialty)	Qualified Product List	\$0	Up to \$3.00

LED Fixtures	Qualified Product List	\$0	Up to \$23.00
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Notes for lighting incentive table:

- Incentives for LED bulbs and fixtures apply to mid/upstream, mail-by-request, post-purchase through distributors, and/or direct install.
- Mail-by-request and direct install are offered on an initiative basis and may not be available for the entire year. See program website for availability information
- LED bulb and fixture must be listed on the program’s qualified product list on the program website in order to qualify for an incentive. Qualifying product may be purchased a participating retailers only
- Reduced price LED or fixture offer may end early if entire allocation is sold.
- Acronyms:
LED: Light Emitting Diode

Table 3 – Single Family HVAC Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
Evaporative Coolers -2,000-3,499 CFM	2,000-3,499 CFM	\$50	<u>\$62</u>
Evaporative Coolers – 3,500+ CFM	Minimum 3,500 CFM (must be the primary cooling source)	\$250	<u>\$312</u>
Central Air Conditioner with Best Practice Installation and Sizing	≥15 SEER Central air conditioner must be installed and sized per program’s requirements.	\$125	<u>\$156</u>
Duct Sealing and Insulation	$R_{initial} \leq 2$ and replace all existing insulation with at least R-8. Home’s primary heat source must be either a heat pump or electric forced air furnace. Existing ducts must be unsealed.	\$800	<u>\$1,000</u>

Duct Sealing	Home's primary heat source must be either a ducted heat pump or electric forced air furnace. Insulation removed for purposes of sealing must be reinstalled or replaced after sealing is completed. Existing ducts must be unsealed. Duct sealing must be done per program's requirements.	\$300 <u>\$375</u>
Ductless Heat Pump	≥ 9.0 HSPF, single-head or multi-head unit. Home's previous primary heating source must either have been an electric forced air furnace or a zonal electric system.	\$1,300 <u>\$1,625</u>
Electronic Line Voltage Thermostat	Must meet Bonneville Power Administration (BPA) specifications. Home's primary heating source must be an electric zonal heating system.	\$45 <u>\$56</u>
Heat Pump Commissioning Controls Sizing	Heat Pump must be new and commissioning, controls, and sizing be completed per program requirements.	\$250 <u>\$312</u>
Federal Standard Heat Pump Conversion with Best Practice Installation and Sizing	For replacement of existing electric furnace with new federal standard efficiency heat pump. Heat Pump must include Best Practices Installation & Proper Sizing.	\$1,300 <u>\$1,625</u>
9.0+ HSPF Heat Pump Conversion with Best Practice Installation and Sizing	For replacement of existing electric furnace with new high efficiency heat pump. ≥ 9.0 HSPF must include Best Practices Installation & Proper Sizing.	\$2,000 <u>\$2,500</u>
Heat Pump Upgrade with Best Practice Installation and Sizing	For upgrade of existing heat pump to new high efficiency heat pump. ≥ 9.0 HSPF must include Best Practices Installation & Proper Sizing.	\$300 <u>\$375</u>
Heat Pump (CTA-2045)	For heat pump equipment with demand response capability compliant with CTA-2045 standard.	\$100 per heat pump
Smart Thermostat	Unit must be on Energy Star Qualified Products List.	\$62 <u>\$50</u>

Notes for HVAC incentive table:

- Incentives for all HVAC measures apply to downstream and/or mid/upstream. Only one incentive will be provided per unit.
- Incentives for CTA-2045 compliant heat pump is an additional incentive that applies to heat pump commissioning, heat pump conversion, and heat pump upgrade measure offerings. Equipment must meet all program qualifications to be eligible.
- Incentives may be paid to the customer, dealer, manufacturer, and/or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.
- Maximum of 10 line voltage thermostats per house hold.
- Maximum one smart thermostat per house hold.
- Occupancy sensing feature must be enabled for smart thermostats incentives.
- Homes must have a ducted electric heating system to be eligible of smart thermostat incentives. □ Customers may self-install smart thermostats. Contractor not required.
- Work must be completed per program requirements listed on the program website.
- See additional installation requirements on program website.
- Acronyms:
SEER: Seasonal Energy Efficiency Ratio
HSPF: Heating Seasonal Performance Factor
CFM: Cubic Feet per Minute

Table 4 – Single Family Weatherization Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
Insulation – Attic	$R_{\text{initial}} \leq 19$ $R_{\text{final}} \geq 49$	\$0.05 <u>\$0.06</u> /sf. for electrically cooled home \$0.30 <u>\$0.37</u> /sf. for electrically heated home	\$0/sf.
Insulation – Floor (to R-19)	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 19$ Home’s primary heat source must be electric.	\$0.20 <u>\$0.25</u> /sf.	\$0/sf.
Insulation – Floor (to R-30)	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 30$ Home’s primary heat source must be electric.	\$0.30 <u>\$0.37</u> /sf.	\$0/sf.
Insulation - Wall	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 13$ or fill cavity Home’s primary heat source must be electric.	\$0.40 <u>\$0.50</u> /sf.	\$0/sf.
Windows	U-factor of 0.25 or lower. Home’s primary heat source must be electric.	\$0.65 <u>\$0.81</u> /sf	\$0/sf.

Notes for weatherization incentive table:

- See additional installation requirements on program website.
- Home’s primary heat source must be either a heat pump, electric forced air, zonal, or ductless heat pump heating system to qualify for the electrically heated incentive.
- Home’s primary heat source must be a gas heating system to qualify for the electrically cooled incentive.
- Acronyms:

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 5 – Single Family New Homes Incentives

Measure	Qualifications	Customer/ Builder Incentive	Market Partner Incentive
Performance Path	<p>Incentives available for new electric heated or gas heated homes that exceed the prevailing code by a minimum of 10% as modeled using program required tools and software.</p> <p>The home’s performance must be modeled and verified by an independent third party Rater. Homes must have electric water heating to qualify.</p>	<p>Electric space heating, electric water heating \$1,500<u>\$1,875</u></p> <p>Electric space heating with electric water heating exceeding code by 20% or more: \$2,500<u>\$3,125</u></p> <p>Compressor based electric cooling. Electric water heating. Space heated by gas or other fuel. \$625<u>\$500</u></p>	

Notes for New Homes incentive table:

- See additional installation requirements on program website.
- Incentives for performance path apply to downstream and mid/upstream. Only one incentive will be provided per home. Electrically heated and non-electrically heated incentives may not be combined.
- Incentives may be paid to the customer, builder, or rater and may be split between customer, builder, and/or rater. The sum of the incentive payments per unit will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.

Table 6 – Single Family Water Heating Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
Heat Pump Water Heater	Northern Climate Specification Tier 3 and above replacing an existing electric tank type water heater.	Tier 3 or higher: \$600 <u>\$750</u>	
Heat Pump Water Heater (CTA-2045)	For heat pump water heater equipment with demand response capability compliant with CTA-2045 standard.	\$50 per heat pump water heater	

Low-Flow Showerheads	Flow rate \leq 2.00 GPM		Up to \$15
Low-Flow Aerators	Kitchen Aerator: Flow rate \leq 1.50 GPM Bath Aerator: Flow rate \leq 0.50 GPM		Up to \$5

Notes for water heating table:

- Incentives for heat pump water heater measures apply to downstream, mid/upstream, and direct install. Direct install will be offered on an initiative basis and may not be available for the entire year. See program website for availability information.
- Incentives for CTA-2045 compliant heat pump water heater is an additional incentive that applies to the current heat pump water heater offering. Equipment must meet all program qualifications to be eligible.
- Incentives for heat pump water heaters may be paid to the customer, retailer/dealer, or manufacturer and may be split between customer retailer/dealer, and/_or manufacturer. The sum of incentive payments per unit will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.
- Incentives for low-flow showerheads and low-flow aerators, apply to upstream, mail-by-request, and direct install. Mail-by-request and direct install will be offered on an initiative basis and may not be available for the entire year. See program website for availability information.
- See additional installation requirements on program website.
- Acronyms:
GPM: Gallons per minute

Table 7 – Single Family Power Strip Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
Advanced Power Strip	Load or occupancy sensing. Shuts off power to selected peripheral devices during sleep mode or when no motion is detected for a set period of time.	\$0	Up to \$40

Notes for power strip table:

- Advanced power strips are only available through direct install. Direct install equipment will be offered on an initiative basis and may not be available for the entire year. See program website for availability information.

Table 8 - Manufactured Homes Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
Advanced Power Strip	Load or occupancy sensing. Shuts off power to selected peripheral devices during sleep mode or when no motion is detected for a set period of time.	\$0	Up to \$40
Central Air Conditioner with Best Practice Installation and Sizing	≥15 SEER Central air conditioner must be installed and sized per program’s requirements.	\$300 <u>\$375</u>	
Duct Sealing (Not Direct Install)	Home’s primary heat source must be either a ducted heat pump or electric forced air furnace. Existing ducts must be unsealed. Duct sealing must be done per program’s requirements.	\$300 <u>\$375</u>	
Duct Sealing (direct install)	Home’s primary heat source must be either a ducted heat pump or electric forced air furnace. Existing ducts must be unsealed. Duct sealing must be done per program’s requirements.	\$0	Up to \$500
Electronic Line Voltage Thermostat	Must meet Bonneville Power Administration (BPA) specifications. Home’s primary heating source must be an electric zonal heating system.	\$45 <u>\$56</u>	
Evaporative Coolers 2,000-3,499 CFM	2,000-3,499 CFM	\$100 <u>\$125</u>	
Evaporative Coolers – 3,500+ CFM	Minimum 3,500 CFM (must be the primary cooling source)	\$300 <u>\$375</u>	

Federal Standard Heat Pump Conversion with Best Practice Installation and Sizing	For replacement of existing electric furnace with new federal standard efficiency heat pump. Heat Pump must include Best Practices Installation & Proper Sizing.	\$1,300 <u>\$1,625</u>	
9.0+ HSPF Heat Pump Conversion with Best Practice Installation and Sizing	For replacement of existing electric furnace with new high efficiency heat pump. ≥ 9.0 HSPF must include Best Practices Installation & Proper Sizing.	\$2,000 <u>\$2,500</u>	
Ductless Heat Pumps	≥ 9.0 HSPF	\$1,300 <u>\$1,625</u>	
Heat Pump Commissioning Controls Sizing	Heat Pump must be new and commissioning, controls, and sizing be completed per program requirements.	\$250 <u>\$312</u>	
Heat Pump Upgrade with Best Practice Installation and Sizing.	≥ 9.0 HSPF/14 SEER	\$300 <u>\$375</u>	
Heat Pump (CTA-2045)	For heat pump equipment with demand response capability compliant with CTA-2045 standard.	\$100 per heat pump	
Insulation – Attic (R0 to R-22)	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 22$ Homes' primary heating must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify for the electrically heated incentive.	\$0.62 <u>\$0.50</u> /sf	\$0/sf.
Insulation – Attic (R11 to R-30)	$R_{\text{initial}} \leq 11$ $R_{\text{final}} \geq 30$ Homes' primary heating must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify for the electrically heated incentive.	\$0.75 <u>\$0.60</u> /sf	\$0/sf.

Insulation – Floor	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 22$ Home’s primary heat source must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify for the electrically heated incentive.	\$0.30 <u>\$0.37</u> /sf	\$0/sf
New ENERGY STAR Homes	Home must be new and have received ENERGY STAR certification.	\$2,000 <u>\$2,500</u>	
New Homes, Eco-rated Homes	Home must be new and have received Eco-rated certification through NEEM.	\$2,750 <u>\$2,200</u>	
Smart Thermostat	Unit must be on Energy Star Qualified Products List	\$50 <u>\$62</u>	
Windows	U-factor of 0.25 or lower. Home’s primary heat source must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify	\$0.65 <u>\$0.81</u> /sf.	

Notes for manufactured homes table:

- Advanced power strips are only available through direct install. Direct install equipment will be offered on an initiative basis and may not be available for the entire year. See program website for availability information.
- Incentives for CTA-2045 compliant heat pump is an additional incentive that applies to ductless heat pump, heat pump commissioning, heat pump conversion, and heat pump upgrade measure offerings. Equipment must meet all program qualifications to be eligible. Manufactured homes are eligible for only one duct sealing incentive. The direct install offer may not be combined with the non-direct install offer.
- Duct sealing direct install will be offered on an initiative basis and may not be available for the entire year. See program website for availability information.
- Incentives for central air conditioner, not-direct install duct sealing, electronic line voltage, evaporative cooler, ductless heat pump, heat pump, and smart thermostat measures apply to downstream and mid/upstream. Only one incentive will be provided per unit.
- Incentives for central air conditioner, not-direct install duct sealing, electronic line voltage, evaporative cooler, ductless heat pump, heat pump, and smart thermostat may be paid to the customer, dealer, manufacturer, or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.
- Incentives for new manufactured homes may be paid to customer, dealer/retailer, or manufacturer and the available incentive per home and may be split between customer, dealer/retailer, and/or manufacturer. The sum of incentive payments per home will not exceed the amounts listed in the

table. The end use customer portion of the incentive will be clearly displayed on the web site with applicable dates. The end use customer portion of the incentive may be changed.

- See additional installation requirements on program website.
- Contractors providing the direct install duct sealing services will be reimbursed for actual job costs which may include surcharge for mileage, duct testing, and other job expenses, the total of which may not exceed the incentive. No additional costs will be billed to the customer.
- Acronyms:
NEEM: Northwest Energy Efficient Manufactured Homes
IECC: International Energy Conservation Code
HSPF: Heating Seasonal Performance Factor
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 9 – Multifamily Homes Incentives

Measure	Qualifications	Customer Incentive	Market Partner Incentive
Advanced Power Strip	Load or occupancy sensing. Shuts off power to selected peripheral devices during sleep mode or when no motion is detected for a set period of time.	\$0	Up to \$40
Evaporative Coolers -2,000-3,499 CFM	2,000-3,499 CFM	\$50	<u>\$62</u>
Evaporative Coolers – 3,500+ CFM	Minimum 3,500 CFM (must be the primary cooling source)	\$250	<u>\$312</u>
Ductless Heat Pump	≥ 9.0 HSPF, single-head or multi-head unit Home's previous primary heating source must either have been an electric forced air furnace or a zonal system.	\$1,300	<u>\$1,625</u>
Heat Pump (CTA-2045)	For heat pump equipment with demand response capability compliant with CTA-2045 standard.	\$100 per heat pump	
Electronic Line Voltage Thermostat	Must meet Bonneville Power Administration (BPA) specifications.	\$45	<u>\$56</u>

Insulation - Attic	$R_{\text{initial}} \leq 19$ $R_{\text{final}} \geq 49$ Homes' primary heating must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify for the electrically heated incentive.	\$0.30 <u>\$0.37</u> /sf.	\$0/sf.
Insulation – Floor (to R-19)	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 19$ Home's primary heat source must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify for the electrically heated incentive.	\$0.20 <u>\$0.25</u> /sf.	\$0/sf
Insulation – Floor (to R-30)	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 30$ Home's primary heat source must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify for the electrically heated incentive.	\$0.30 <u>\$0.37</u> /sf.	\$0/sf.
Insulation - Wall	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 11$ or fill cavity Home's primary heat source must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify for the electrically heated incentive.	\$0.40 <u>\$0.50</u> /sf.	\$0/sf.
Windows	U-factor of 0.25 or lower. Home's primary heat source must be either a heat pump, electric forced air, zonal, or ductless heat pump system to qualify.	\$0.65 <u>\$0.81</u> /sf	\$0/sf.

Notes for multifamily homes table:

- Advanced power strips are only available through direct install. Direct install equipment will be offered on an initiative basis and may not be available for the entire year. See program website for availability information.
- Incentives for CTA-2045 compliant heat pump is an additional incentive that applies to ductless heat pump, heat pump commissioning, heat pump conversion, and heat pump upgrade measure offerings. Equipment must meet all program qualifications to be eligible.
- Incentives for electronic line voltage and ductless heat pump, heat pump measures apply to downstream and mid/upstream. Only one incentive will be provided per unit.

- Incentives for electronic line voltage and ductless heat pump may be paid to the customer, dealer, manufacturer, or trade ally and may be split between customer, dealer, manufacturer, and/or trade ally. The sum of the incentive payments per unit will clearly be displayed on the website with applicable dates. The end use portion of the incentive may be changed.
- See additional installation requirements on program website.
- Acronyms:
 - HSPF:** Heating Seasonal Performance Factor
 - 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