

## **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. In addition, the program includes a performance path option 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

The Home Energy Savings program was updated effective January 4, 2021 using the program change process (including Advisory Group review and comment) described below. The information provided in this business plan reflects the program offers/qualifications that are planned to be effective January 2022.

#### Planned Program Changes

Future changes including measure additions, deletions, and changes in qualifying standards will be based on cost-effectiveness, evaluation findings, participation and evolving codes and standards. In addition, the program is reviewed during the first year of the biennial period year and

any changes from updated RTF information as of October 1 are incorporated through the program change process to be effective on January 1 of the second year of the biennial period.

### 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.

## **Washington Home Energy Savings**

**APPLICABLE:**

To new and existing residential customers in all territory served by Pacific Power in the state of Washington billed on Schedules 16, 17 and 18. Landlords who own rental properties served by Pacific Power in the state of Washington where the tenant is billed on listed Schedules 16, 17 and 18 also qualify for this program.

**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 3<sup>rd</sup> 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·ft<sup>2</sup>·°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		\$62
Hybrid/Heat Pump Clothes Dryer	UCEF $\geq$ 3.20		\$750

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) = <a href="#">Not Direct Install</a>	Qualified Product List	\$0	Up to \$3.00
LED Bulbs (Specialty) – <a href="#">Not Direct Install</a>	Qualified Product List	\$0	Up to \$3.00

<a href="#">LED Fixtures – Not Direct Install</a>	<a href="#">Qualified Product List</a>	\$0	Up to \$23.00
<a href="#">LED Bulbs (General Purpose) – Direct Install</a>	<a href="#">Qualified Product List</a>	\$0	<a href="#">Up to \$6.00</a>
<a href="#">LED Bulbs (Specialty) – Direct Install</a>	<a href="#">Qualified Product List</a>	\$0	<a href="#">Up to \$9.00</a>
<a href="#">LED Fixtures – Direct Install</a>	<a href="#">Qualified Product List</a>	\$0	<a href="#">Up to \$23.00</a>
<a href="#">LED Lamps – Direct Install</a>	<a href="#">Qualified Product List</a>	\$0	<a href="#">Up to \$12.00</a>

Notes for lighting incentive table:

- Incentives for LED bulbs and fixtures ([not direct install](#)) apply to mid/upstream, [and/or](#) post-purchase through distributors, [and/or direct install](#).
- 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 [at](#) a participating retailers only [for the not direct install incentives](#).
- 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		\$62
Evaporative Coolers – 3,500+ CFM	Minimum 3,500 CFM (must be the primary cooling source)		\$312
Central Air Conditioner	≥15 SEER Central air conditioner must be installed and sized per program’s requirements.		\$156

Duct Sealing and Insulation	<p><math>R_{\text{initial}} \leq 2</math> and replace all existing insulation with at least R-8.</p> <p>Home's primary heat source must be either a heat pump or electric forced air furnace.</p> <p>Existing ducts must be unsealed.</p>	\$1,000	
Duct Sealing ( <u>not Direct Install</u> )	<p>Home's primary heat source must be either a ducted heat pump or electric forced air furnace.</p> <p>Insulation removed for purposes of sealing must be reinstalled or replaced after sealing is completed.</p> <p>Existing ducts must be unsealed. Duct sealing must be done per program's requirements.</p>	\$375 <u>Up to \$500</u>	
Duct Sealing ( <u>Direct Install</u> )	<p><u>Home's primary heat source must be either a ducted heat pump or electric forced air furnace.</u></p> <p><u>Insulation removed for purposes of sealing must be reinstalled or replaced after sealing is completed.</u></p> <p><u>Existing ducts must be unsealed. Duct sealing must be done per program's requirements.</u></p>	\$0	<u>Up to \$500</u>
Ductless Heat Pump	<p><math>\geq 9.0</math> HSPF, single-head or multi-head unit.</p> <p><u>All customers:</u> Home's previous primary heating source must either have been an electric forced air furnace or a zonal electric system.</p> <p><u>Customers meeting named community criteria on Pacific Power's website:</u></p> <p><u>Home's previous primary heating system may use any fuel except natural gas.</u></p>	\$1,625 <u>1,800</u>	
Electronic Line Voltage Thermostat	<p>Must meet Bonneville Power Administration (BPA) specifications.</p> <p>Home's primary heating source must be an electric zonal heating system.</p>	\$56	
Federal Standard Heat Pump Conversion	<p>For replacement of existing electric furnace with new federal standard efficiency heat pump.</p> <p>Heat Pump must include Best Practices Installation &amp; Proper Sizing.</p>	\$1,625 <u>2,250</u>	

9.0+ HSPF Heat Pump Conversion	For replacement of existing electric furnace with new high efficiency heat pump. ≥ 9.0 HSPF must include Best Practices Installation & Proper Sizing.	<del>\$2,500</del> <u>3,500</u>
Heat Pump Upgrade	For upgrade of existing heat pump to new high efficiency heat pump. ≥ 9.0 HSPF must include Best Practices Installation & Proper Sizing.	\$375
Heat Pump (CTA-2045)	For heat pump equipment with demand response capability compliant with CTA-2045 standard.	\$100 per heat pump <u>(in addition to available equipment efficiency incentives)</u>
Smart Thermostat	Unit must be on Energy Star Qualified Products List.	<del>\$62</del> <u>100</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 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 by customer 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	$R_{\text{initial}} \leq 19$ $R_{\text{final}} \geq 49$	<del>\$0.060.07/sfsq-ft.</del> for electrically cooled home  <del>\$0.370.46/sfsq-ft.</del> for electrically heated home  <del>\$0/sf.</del>	
Insulation – Floor (to R-19)	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 19$  Home’s primary heat source must be electric.	<del>\$0.250.31/sf.sq-ft</del> <del>\$0/sf.</del>	
Insulation – Floor (to R-30)	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 30$  Home’s primary heat source must be electric.	<del>\$0.370.46/sfsq-ft.</del> <del>\$0/sf.</del>	
Insulation - Wall	$R_{\text{initial}} = 0$ $R_{\text{final}} \geq 13$ or fill cavity  Home’s primary heat source must be electric.	<del>\$0.500.62/sf.sq-ft</del> <del>\$0/sf.</del>	
Windows	U-factor of 0.25 or lower. Home’s primary heat source must be electric.	<del>\$0.811.00/sf sq-ft</del> <del>\$0/sf.</del>	

Notes for weatherization incentive table:

- See additional installation requirements on program website.
- Weatherization incentives may be paid to the customer, dealer, manufacturer, and/or contractor and may be split between customer, dealer, manufacturer, and/or contractor. 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.
- 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 exceeding code by 10% to 19.99%: \$1,875</p> <p>Electric space heating with electric water heating exceeding code by 20% or more: \$3,125</p> <p>Compressor based electric cooling. Electric water heating. Space heated by gas or other fuel exceeding code by 10% or more. \$625</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
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Heat Pump Water Heater	Advanced Water Heating Specification Tier 3 and above replacing an existing electric tank type water heater.  Heat pump water heater must be between 0 to 55 gallons.	Tier 3 or higher: <del>\$750</del> - <del>900</del>
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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 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, 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.~~
- 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~~ available through direct install or through retail. 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	≥15 SEER Central air conditioner must be installed and sized per program's requirements.	<del>\$375</del> <u>\$156</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.	<del>\$375</del> <u>Up to \$500</u>	
Duct Sealing ( <del>Direct</del> <u>Install</u> )	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.	\$56	
Evaporative Coolers 2,000-3,499 CFM	2,000-3,499 CFM	\$125	
Evaporative Coolers – 3,500+ CFM	Minimum 3,500 CFM (must be the primary cooling source)	\$375	

Federal Standard Heat Pump Conversion	For replacement of existing electric furnace with new federal standard efficiency heat pump. Heat Pump must include Best Practices Installation & Proper Sizing.	<del>\$1,625</del> <u>2,250</u>
9.0+ HSPF Heat Pump Conversion	For replacement of existing electric furnace with new high efficiency heat pump. $\geq 9.0$ HSPF must include Best Practices Installation & Proper Sizing.	<u>Up to</u> \$2,500
Ductless Heat Pumps	<p><math>\geq 9.0</math> HSPF single-head or multi-head unit</p> <p><u>All customers:</u> Home's previous primary heating source must either have been an electric forced air furnace or a zonal electric system.</p> <p><u>Customers meeting named community criteria on Pacific Power's website:</u> Home's previous primary heating system may use any fuel except natural gas.</p>	<del>\$1,625</del> <u>1,800</u>
Heat Pump Upgrade	$\geq 9.0$ HSPF/14 SEER	\$375
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)	<p><math>R_{\text{initial}} = 0</math> <math>R_{\text{final}} \geq 22</math></p> <p>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.</p>	<del>\$0.620.77/sf-sq-ft</del> <del>\$0/sf.</del>

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.	<del>\$0.750.94/sf-sq-ft</del> \$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.	<del>\$0.370.46/sf-sq-ft</del> \$0/sf
New Homes, ENERGY STAR Homes	Home must be new and have received ENERGY STAR certification.	\$2,500
New Homes, NEEM+ Homes	Home must be new and have received NEEM Plus certification.	\$3,000
Heat Pump, New Manufactured Homes	Central heat pump installed in a house with permanently installed central electric resistance furnace.  Ductless heat pump shall be inverter-driven with an HSPF of 8.5 or better, have a nominal heating capacity of 9,000 Btu/hr or higher, and be installed in the main living area of a home with permanently installed ducted electric resistance furnace or zonal electric heat.  Homes must be less than one year old and not be certified as NEEM or ENERGY STAR.	\$1,300
Smart Thermostat	Unit must be on ENERGY STAR Qualified Products List	<del>\$62</del> -100

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	<del>\$0.84</del> 1.00/sfsq-ft.
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Notes for manufactured homes table:

- Advanced power strips are ~~only available through direct install~~ [available through direct install or retail](#). 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	\$62	
Evaporative Coolers – 3,500+ CFM	Minimum 3,500 CFM (must be the primary cooling source)	\$312	
Ductless Heat Pump	<p>≥ 9.0 HSPF, single-head or multi-head unit</p> <p><u>All customers:</u> Home's previous primary heating source must either have been an electric forced air furnace or a zonal system.</p> <p><u>Customers meeting named community criteria on Pacific Power's website:</u> Home's previous primary heating system may use any fuel except natural gas.</p>	\$ <del>1,625</del> 1,800	
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.	\$56	
Insulation - Attic ( <u>R-19 to R-49</u> )	<p><math>R_{\text{initial}} \leq 19</math></p> <p><math>R_{\text{final}} \geq 49</math></p> <p>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.</p>	<p>\$<del>0.370.46</del>/sf sq-ft.</p> <p>\$0/sf.</p>	



<p><u>Insulation – Attic (R-0 to R-49)</u></p>	<p><math>R_{\text{initial}} = 0</math>  <math>R_{\text{final}} \geq 49</math></p> <p>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.</p>	<p><u>\$0.62/sq-ft</u></p>
<p><u>Insulation – Floor (R-0 to R-19)</u></p>	<p><math>R_{\text{initial}} = 0</math>  <math>R_{\text{final}} \geq 19</math></p> <p>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.</p>	<p><u>\$0.250.31/sfsq-ft.</u>  <del>\$0/sf</del></p>
<p><u>Insulation – Floor (R-19 to R-30)</u></p>	<p><math>R_{\text{initial}} = 19</math>  <math>R_{\text{final}} \geq 30</math></p> <p>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.</p>	<p><u>\$0.20/sq-ft</u></p>
<p><u>Insulation – Floor (R-0 to R-30)</u></p>	<p><math>R_{\text{initial}} = 0</math>  <math>R_{\text{final}} \geq 30</math></p> <p>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.</p>	<p><u>\$0.370.46/sfsq-ft.</u>  <del>\$0/sf.</del></p>
<p><u>Insulation - Wall</u></p>	<p><math>R_{\text{initial}} = 0</math>  <math>R_{\text{final}} \geq 11</math> or fill cavity</p> <p>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.</p>	<p><u>\$0.500.62/sfsq-ft.</u>  <del>\$0/sf.</del></p>
<p><u>Windows (U-factor 0.25 or lower)</u></p>	<p>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.</p>	<p><u>\$0.811.00/sfsq-ft.</u>  <del>\$0/sf.</del></p>

<p><u>Windows (pre-condition baseline)</u></p>	<p><u>U-factor of 0.22 or lower. Home's primary heat source must be zonal, heat pump, electric forced air furnace, or ductless heat pump system to qualify. Existing window must be single glazed with wood frame, single glazed with metal frame, or double glazed with metal frame.</u></p>	<p><u>Up to \$25/sq-ft</u></p>
<p>Multifamily New Construction</p>	<p>Multifamily buildings with electric space and/ or water heating that exceed the prevailing WA state energy code by a minimum of 5% as modeled using program required tools and software.</p> <p>The multifamily building's performance must be modeled and verified by an independent third party Rater.</p>	<p>Exceeding code by 5% to 14.99%: \$0.15/ kWh <u>(first year)</u></p> <p>Exceeding code by 15% or more: \$0.25/ kWh <u>(first year)</u></p>

Notes for multifamily homes table:

- Advanced power strips are ~~only available through direct install~~ available through direct install or retail. 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 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 weatherization, 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.
- Incentives for multifamily new construction are for buildings where at least 80% of the space serves customers who purchase their electricity from Pacific Power on rate schedules 16, 17 or 18.
- Only one new construction incentive will be provided per multifamily building.
- Incentives for multifamily new construction may be paid to the customer, builder, or rater and may be split between customer, builder, and/or rater.
- Incentives for multifamily new construction are capped at 80 percent of project costs All final costs are subject to Pacific Power review and approval prior to paying an efficiency incentive.
- Multifamily buildings with outside lighting and common areas billed under non-residential rate schedules may be eligible to receive other incentives, but may not receive additional equipment purchase and installation incentives within other Company offered programs.

- Qualifying equipment receiving incentives within this table may not receive equipment purchase and installation incentives within other tables in this Schedule.
- 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