

# Energy Efficiency

## Exhibit 4

### Measures, Incentives & Eligibility

August, 2016



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## I. GENERAL GUIDELINES FOR MEASURES, INCENTIVES AND ELIGIBILITY

1. Definitions and terms used throughout this document are governed by the Company's Electric Tariff G and Natural Gas Tariff. Where there is a conflict, the Tariff definition shall prevail.
2. Specific terms and conditions are found on the applicable incentive forms, grant documents, rebate application forms and similar documents available from the Company. Some measures noted in this document apply only to a particular customer type or structure type. Some structure types do not have individual measure/incentives available; rather, an incentive may be applied to the entire qualifying structure. Please thoroughly read the incentive terms and conditions before investing in an energy efficiency measure.
3. Some incentive payments noted in this document may be divided in a manner consistent with the Company's program objectives. In some cases, this division may be between the qualifying party or parties receiving the measure. For example, an installing contractor may receive a portion of an indicated incentive amount, with the end-use customer receiving the balance of the indicated amount. Qualifying parties may include, but are not limited to, manufacturers, retailers, distributors, owners of structures, tenants, customers, general contractors, verifiers, approved Washington State Agencies or similar entities.
4. The term **Maximum Amount**, noted in some programs, represents the total amount of funding available per indicated measure, household, dwelling unit, eligible party or parties or structure. Incentive amounts may vary, depending on market conditions, funding availability, energy efficiency level of the installed product(s) or measure, eligibility of the party installing the measure or other similar conditions.
5. At the Company's discretion, and based on changing market conditions, cost-effectiveness and program objectives, incentive amounts may vary from the indicated Maximum Incentive Amount from time to time. The Company may implement limited-time offers, special performance incentives for field forces (sometimes referred to as SPIFFs or SPIFs), temporary promotions, purchasing of products directly for resale, or other adjustments to incentives.

These adjustments will continue to be based on regionally-accepted energy savings estimates and incremental efficiency measure costs. These adjustments may be noted on the PSE.com website, press releases, advertisements, or other media. It is always a good idea to consult an energy advisor at 1 800 562-1482 if you have questions.

6. The Company's energy advisors are available to answer specific energy-efficiency questions, Monday through Friday, 8am to 5pm. Many rebate forms and additional program information are also available via the Company's website:

<http://pse.com/savingsandenergycenter/Pages/default.aspx>

7. Many of the indicated measures require the services of or installation by a professional contractor. Before engaging a contractor, it is important to understand the terms and conditions of the measures for which you may apply and ensure that the contractor meets the Company's qualifying standards.

Generally, contractor qualifications include, but are not limited to:

- Licensed, bonded and insured in the State of Washington.
  - Willing to comply with training and inspection by the Company.
8. Some of the indicated measures have very specific requirements that must be satisfied in order to qualify for the indicated incentive. These include, but are not limited to: structural measures (insulation, windows, etc.), HVAC applications (heat pumps, air handlers, etc.), plumbing fixtures (water heaters, boilers, etc.) and so on. Qualifications listed in this document as a part of the measure description are of a general nature only, and are intended to provide an overview for the customer. Additional information is available on PSE.com, via an energy advisor (1-800-562-1482) and is provided in the incentive application form.

Prior to committing to a potentially large investment, (a heat pump, water heater, windows, insulation, etc.) **it is recommended that customers visit PSE.com or call an energy advisor** to obtain the complete list of qualifications for the measure being considered.



9. Customers, eligible parties, owners or tenants with applicable owner permission assume all liabilities associated with contracting, work performance, ensuring applicable permits are obtained and paying independent contractors. The Company may provide contractor referral services for measures.
10. General terms and requirements for incentive qualification include, but are not limited to:
  - Original purchase receipt or invoice, indicating the date of purchase,
  - Address (the physical location) of where the measure is being installed,
  - Name of person(s) business or entity name claiming the incentive,
  - The structure must be receiving (or will be receiving in the case of new construction) electric service or bundled natural gas service from the Company. Certain service types may be ineligible for conservation rebates, grants, or remuneration. Please consult with the specific terms and conditions of the measure about which you are interested, consult PSE.com, call an energy advisor (1-800-562-1482), or review the incentive application form.

## II. INFORMATION-ORIENTED SERVICES

The following services apply in most cases to both Residential and Business customers. Although specific rebates or financial incentives aren't elements of the following services, these services provide energy management tools and access to programs outlined in this Energy Efficiency List of Measures, Incentives, and Eligibility. This brief description provides an overview of the information-oriented resources available to customers.

PSE's Energy Efficiency department offers several different communications avenues that complement each other to provide information about customer programs and efficiency improvements tailored to customers' interests and energy-use concerns.

### ***A. Energy Advisors***

Energy Advisors research, analyze, resolve and respond to customer inquiries, issues and requests related to energy efficiency and conservation; and promote and explain energy efficiency and renewable programs and their advantages. They represent the Company in an effort to promote and cross-market products and services by presenting and providing educational materials to employees, organizations and community groups. Energy Advisors work in a team environment and must be able to rapidly adapt to changes in services and programs. Energy Advisors receive training and instruction in departmental procedures and are expected to use good judgment in independently responding to recurring customer issues and/or complaints. Unique, difficult, or unusual customer service issues are referred to the Senior Energy Advisor. Through a toll-free number, 1-800-562-1482, Monday through Friday, 8am to 5pm, customers have access to speak directly to an Energy Advisor.

### ***B. Events***

PSE participates in trade shows, community events, and homeowner/trade ally associations' venues that provide opportunities, such as seminars and workshops, to attract PSE residential and business customers to the features and benefits of energy efficiency programs.

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### ***C. Energy Efficiency Brochures/Collateral***

PSE provides brochures and how-to guides on various energy efficiency opportunities, including behavioral measures, low-cost equipment, weatherization measures and improvements, and equipment upgrades. This information includes guidelines and savings estimates where appropriate. PSE brochures are available to customers in paper form and online at the PSE Web site. Brochures can be mailed to customers and are also distributed at numerous customer events, Home shows and trade shows throughout the year.

### ***D. Energy Education***

Education is a key component in furthering consumer energy efficiency and renewable energy awareness so customers are adequately informed to make wise energy decisions. Education programs broaden customer knowledge of conservation and renewable energy, and increases participation in efficiency programs. PSE's energy education programs inform, inspire, and empower with the understanding that individual choices do make a difference.

The programs create a forum to provide information to leaders and educators who can leverage the knowledge to a greater audience. The programs also tie directly to the company's existing energy efficiency opportunities, active resource conservation efforts, and commitment to the community channel. A variety of curricula are available for downloading from the PSE.com website:

<http://pse.com/savingsandenergycenter/ForSchools/Pages/default.aspx>

Additional information about how to participate in Education Programs is available through the Company's toll-free number: 1 800 562-1482.

### ***E. On-Line Tools & Customer Management System***

PSE's web site, PSE.com is available with information about energy efficiency and provides energy management tools to residential and business customers.

PSE offers customers energy efficiency products online for free and for retail purchases at [pse.com/shoppse](http://pse.com/shoppse).

PSE's Customer Management System (CMS) is a database management system used to support delivery and results tracking of energy efficiency programs and services. Tracking customer program participation as well as tracking and evaluating the efficiency and effectiveness of promotions and implementation are key components of CMS.

### ***F. Electronic Newsletters***

“Energy at Home” is a quarterly e-newsletter promoting energy efficiency to customers who elect to subscribe using an e-mail address. This free service contains articles about energy efficiency, timely seasonal tips, and links to PSE program information and rebates for energy efficient products. A similar quarterly “Energy in Business” e-newsletter features case studies of energy efficiency projects at PSE customer sites, as well as announcements of upcoming training opportunities. The Energy Education Newsletter is a quarterly e-newsletter offering student, teachers and sponsors on expanded ways to learn and take action on energy conservation tips, environmental events, student activities, and upcoming energy efficiency projects.

### III. RESIDENTIAL MEASURES, INCENTIVES AND ELIGIBILITY

#### A. Residential Low Income Weatherization

Schedule 201 (Electric and Natural Gas)

##### 1. Eligibility

###### a. Customers

Low-income customers, including owners and tenants of single family, multifamily, and mobile homes that meet federal poverty guidelines issued by The Washington State Department of Commerce and receive natural gas and/or electricity from PSE. Low Income agencies are contracted with PSE to perform customer income eligibility, manage the installation and track, and report project data to PSE.

###### b. Structures

Measures apply to existing single-family, multifamily and mobile home structures.

##### 2. Funding Categories

Single Family, Multifamily, and Mobile Home structure improvements, as detailed below, include the following improvement categories:

- Building envelope Improvements
- Heating system upgrades
- Water heating upgrades
- Lighting upgrades
- Appliance replacement
- Common are upgrades

The majority of measure funding falls into three categories: paid per *square or linear foot* (attic insulation, for instance), per *measure* (for example, a CFL bulb), per *structure* (for example, one furnace, or water heater per home).



### 3. Incentives

Low Income Weatherization incentives are classified in three types; payments made to agencies on a square-foot basis, payments made per measure and payments per structure. Any limitations and qualifications are noted in the following tables.

### 4. Electric Funding

#### a. Per-Structure Basis

Measures	Maximum Payment Amount		
	Single Family	Multifamily	Mobile Home
Electronic Thermostats (Replacement of bi-metal thermostats with electronic thermostats. Line voltage thermostats only.)	\$202.50	-	-
Duct Sealing with other measures (unconditioned spaces)	\$500.00	-	\$500.00
Water Heater Pipe Insulation (3 feet, or more, with minimum thermal value of R-3)	\$20.00	\$20.00	\$20.00
Refrigerator Replacement (In accordance with US DOE protocol and Commerce requirements)	\$545.00	\$545.00	\$545.00
Heat Pump Water Heater Tier 1	\$900.00	\$900.00	\$900.00
Heat Pump Water Heater Tier 2	\$1,369.00	\$1,369.00	\$1,369.00
Ductless Heat Pump (AHRI certified, inverter technology, minimum 1.0 ton)	\$3,407.00	-	\$3,407.00
Energy Star Whole House Fan	\$50.00	\$50.00	\$50.00

**b. Per square-foot basis**

Measures	Description			Maximum Payment Amount	
<b>Air Sealing MF Structures</b>	Dense Pack Walls and Rim Joists			\$2.41 per sq. ft.	
	Attic and/or Crawl Space			\$0.57 per sq. ft.	
	Door Kits			\$100.00	
	Recessed Can Covers			\$40.00	
	Energy Star® Bathroom Fans (DC Motor)			\$250.00	
	Bathroom Fan Timers			\$50.00	
<b>Air Sealing (Per CFM50 Reduction)</b>	-	-	\$1.00	-	\$1.00
<b>Ceiling Insulation</b>	0	19	-	\$2.21	\$1.10
	0	30	-	-	\$1.25
	0	38	\$2.43	\$2.43	-
	11	30	-	-	\$1.25
	11	38	\$1.95	\$1.95	-
	19	38	\$1.35	\$1.35	-
	0	49	\$2.43	\$2.43	-
	11	49	\$1.95	-	-
	19	49	\$1.95	-	-
<b>Duct Insulation</b>	0	11	\$6.46	\$6.46	-
<b>Floor Insulation</b>	0	11	\$6.46	\$6.46	-
	0	19	\$1.87	\$1.87	-
	0	22	-	-	\$1.50
	0	30	\$2.20	\$2.20	\$2.46
	11	22	-	-	\$1.25
	11	30		\$1.13	-

Per square-foot basis, continued

Measures	R-Existing	R-New	Maximum Payment Amount		
			Single Family	Multifamily	Mobile Home
Wall Insulation	0	11	\$2.75	\$2.75	\$2.75
Windows	Single pane	U-value 0.30	\$13.00	\$16.20	\$12.00
	Double pane	U-value 0.30	\$10.00	\$6.00	\$10.00
	Single pane	U-value 0.25	\$18.00	\$18.00	-
	Double pane	U-value 0.25	\$8.00	\$8.00	-

**c. Per-Measure Basis**

Measures	Maximum Payment Amount		
	Single Family	Multifamily	Mobile Home
Energy Star LED A-Lamp	\$15.00	\$15.00	\$15.00
Energy Star LED BR-30 Lamp	\$15.00	\$15.00	-
Energy Star LED Candelabra Lamp	\$15.00	\$15.00	-
Energy Star Globe	\$15.00	\$15.00	\$15.00
Energy Star T-8	-	\$15.00	-
LED Fixture	\$40.00	\$40.00	\$40.00
Advanced Power Strip, Direct Install	\$55.00	\$55.00	\$55.00
Energy-efficient Shower Head	\$40.50	\$40.50	\$40.50
Faucet Aerator, 1.5 GPM	\$2.10	\$2.10	\$2.10



## 5. Offerings Unique to Structure Type

### a. Multi Family, Existing

- Common Area Upgrades, calculated incentive
  - Lighting
  - Heating Upgrade
  - Solar Pool Heater
  - Solar Water Heater
  - Solar Space Heat

### b. Single Family, Multi Family, Mobile Home

- Savings to Investment Ration (SIR) Measure Upgrades, calculated incentive \*

\* Conservation measures that are cost effective consistent with the *Weatherization Manual*

## 6. Natural Gas Funding

### a. Per Structure-Basis Savings

Measure	Maximum Payment Amount		
	Single Family	Multifamily	Mobile Home
Duct Sealing (unconditioned spaces)	\$350.00	-	\$350.00
Water Heater Pipe Insulation (3 feet with minimum thermal value of R-3)	\$5.50	\$5.50	\$5.50
Energy Star® qualified Gas Furnace or equivalent	\$692.00	\$603.00	-
Integrated Space & Water Heating	\$1,526.00	\$1,144.00	-
Structure Sealing (Per CFM <sub>50</sub> Reduction)	\$0.40	-	\$0.40



**b. Per Square-Foot Basis**

Measures	R-Existing	R-New	Maximum Payment Amount		
			Single Family	Multifamily	Mobile Home
Ceiling Insulation	0	30	-	-	\$0.70
	0	38	\$0.95	\$0.95	-
	11	38	\$0.70	\$0.70	-
	0	49	\$0.95	\$0.95	
	11	49	\$0.70		
	19	49	\$0.70		
Duct Insulation	0	11	\$2.50	\$2.50	-
Floor Insulation	0	22	-	-	\$0.70
	0	30	\$0.85	\$0.85	\$0.80
Wall Insulation	0	11	\$0.85	\$0.85	\$0.80

**c. Per-Measure Basis**

Measure	Maximum Payment Amount		
	Single Family	Multifamily	Mobile Home
Energy-efficient Shower Head	\$25.00	\$25.00	\$25.00
Faucet Aerator, 1.5 GPM	\$2.00	\$2.00	\$2.00

## 7. Offerings Unique to Structure Type

### a. Multi Family, Existing

- Common Area Upgrades, calculated incentive<sup>1</sup>
  - Heating Upgrade
  - Solar Pool Heater
  - Solar Water Heater
  - Solar Space Heat

## 8. Energy-Related Repairs Funding

### a. All Structures & Fuel Types

#### Measures

#### **Health and Safety Repairs (including, but not limited to):**

- Electrical safety inspection and repairs
- Extermination of pests, insects or rodents
- Mold/mildew abatement
- Installation of carbon monoxide monitors in homes with natural gas

#### **Weatherization-Related Repairs (including, but not limited to):**

- Roof repair
- Plumbing repair
- Mobile home skirt repair
- Ground Cover

#### **Ventilation**

- Installation of bathroom and kitchen ventilation fans
- Crawlspace and attic ventilation

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<sup>1</sup> Incentives will be evaluated using currently accepted PSE commercial engineering calculations. Based on cost and savings analysis, project payment based on PSE Cost Effective Standards.

## Furnace/Water Heater Repair, Maintenance, or Replacement

### Energy Education

- In-unit and group consultations
- :Leave-behind information in units and homes

## ***B. Single Family Existing***

Schedule 214 (Electric and Natural Gas)

### **1. Eligibility**

A manufacturer, retailer, distributor, equipment supplier, contractor or agent acting on behalf of responsible party of service, the customer or tenant with applicable owner authorization, of an existing single-family structure receiving electricity or natural gas through a PSE residential Schedule; Rates 7 (including 17, 27, 37 and 47), 8, 11 and 12.

Single Family Residences include structures with four or less single-family units that are attached by a contiguous roofline and manufactured or factory built homes (permanently sited). Single Family Residences that are within a multi-family campus as defined in electric and gas Schedules 217 and 218 of this Tariff, and structures under construction are ineligible for this program.

Selected PSE-approved contractors, vendors, or partners may be eligible for compensation to provide direct installation of specified measures—as a part of installation of a related measure. (For example, installing one or more Energy Star® CFL bulbs during an HVAC installation), as a part of a pilot program, a limited-time offering, or other circumstances determined by PSE.

One way that PSE advances the educational value of conservation and energy efficient program participation is to provide complimentary engagement CFL bulbs, LED bulbs, energy-efficient showerheads, faucet aerators, and/or advanced power strips as a part of home shows, community events, retail promotions or other conservation-focused events. PSE also provides numerous consumer products—LED bulbs, showerheads, and advanced power strips for instance—for sale at Shop PSE:

<https://shop.pse.com/>

Pricing may be different than the incentive amounts noted in the following measure tables.

**2. Incentives**

**a. Natural Gas Service**

Category	Measure	Maximum Incentive Amount Each
<b>Heating</b>	Energy Star® qualified Gas Furnace, 95% AFUE	\$250.00
	Energy Star® qualified Boilers (greater than or equal to 95% AFUE)	\$350.00
	Integrated Space/Water Heating Systems with Energy Star® Tankless or Energy Star® Boiler	\$800.00
	High Efficiency Natural Gas Fireplace	\$200.00
	Web-Enabled Thermostat Management System	\$150.00
<b>Assessment</b>	Home Energy Assessment	Direct install, leave-behind, mail-by-request No charge to eligible customers
	Home Energy Assessment – Manufactured Home	Direct install and leave-behind. No cost to eligible customers
<b>Reporting</b>	Home Energy Reports	Direct mail to program participants. No cost to customers.
<b>Water Heating</b>	2.0 gallon per minute or less showerhead and ShowerStart Adaptor	\$20.00
	2.0 gallon per minute or less showerhead	Leave behind/Mail-by-request/Direct install/Engagement No cost to eligible customers.
	Faucet Aerator 1.5 gallon per minute or less	\$2.50
	Low-Flow Faucets 1.5 gallon per minute or less	\$20.00
	Faucet Aerator 1.5 gallon per minute or less	Leave behind/Mail-by-request/Direct install/Engagement No cost to eligible customers.

Gas measures, continued

Category	Measure	Maximum Incentive Amount Each
Air Sealing	Whole-House Air Sealing	Up to \$350.00/dwelling unit
	Prescriptive duct sealing and Insulation	Up to \$400.00/dwelling unit
	Prescriptive Duct Sealing Only	Up to \$300.00/dwelling unit
	Prescriptive air sealing – attic and crawl space	Up to \$200.00/dwelling unit
Insulation	Attic Insulation (R-0 to R-49)	Up to \$600.00/dwelling unit
	Attic Insulation (R-7 to R-49)	Up to \$600.00/dwelling unit
	Floor Insulation (R-0 to R-30)	Up to \$200.00/dwelling unit
	Wall Insulation (R-0 to R-13)	Up to \$400.00/dwelling unit
Manufactured Homes	Home Performance with Energy Star Rebate	Up to \$400.00
	Floor Insulation R-0 to R-22 – Manufactured Home	Up to \$600.00/dwelling unit
	Prescriptive Duct Sealing – Single Wide – Manufactured Home	Up to \$200.00/dwelling unit
	Prescriptive Duct Sealing – Double/Triple Wide – Manufactured Home	Up to \$400.00/dwelling unit
	Upgrade single-pane with wood or metal frame windows to a 0.30 U-factor or better – Manufactured Home	\$50.00 per window, up to \$750.00 per structure
	Upgrade double pane metal frame windows to Low-e storm windows – Manufactured Home	\$50.00 per window, up to \$750.00 per structure
Windows	Upgrade single-pane with wood or metal frame windows to a 0.30 U-factor or better.	\$50.00 per window, up to \$750.00 per structure
	Upgrade double pane metal frame windows to Low-e storm windows	\$50.00 per window, up to \$750.00 per structure

**Specific requirements for gas incentives**

- Some structural, HVAC and water heat measures require qualified contractor installation in order to be eligible for the indicated incentive.



**b. Electric Service**

Category	Measure	Maximum Incentive Amount Each
Appliances	Energy Star® Clothes Washer (Energy Star® qualified Washing machine greater than 2.38 IMEF).	\$150.00
	Energy Star® Heat Pump Clothes Dryer (Energy Star® qualified heat pump dryers)	\$300.00
	Refrigerator or freezer Decommissioning (working condition, greater than or equal to 10 cubic feet.)	Free pick-up and recycling for eligible customers. Plus \$50.00 to eligible customers.
	Energy Star® Refrigerator - CEE Tier 1, 2 & 3 (greater than or equal to 7.75 cubic feet)	\$150.00
	Energy Star® Freezer (10% more energy efficient than minimum federal government standard, greater than or equal to 7.75 cubic feet)	\$50.00
	Refrigerator Replacement (Energy Star® qualified model delivered and installed; old refrigerator hauled away and decommissioned)	No cost to eligible customers
	Clothes Washer Replacement (Energy Star® qualified model delivered and installed; old clothes washer hauled away and decommissioned)	No cost to eligible customers
Assessment	Home Energy Assessment	Direct install and leave-behind. No cost to eligible customers
	Home Energy Assessment – Manufactured Home	Direct install and leave-behind. No cost to eligible customers



Electric Service, continued

Category	Measure	Maximum Incentive Amount Each	
Heating	Web-Enabled Thermostat Management System	\$150.00	
	Heat Pumps	Tier 2 = 9.0 HSPF, 14 SEER	\$350.00
		Tier 3 = 10.0 HSPF, 16 SEER	\$800.00
		Ductless Heat Pumps using inverter technology	\$1,200.00
		Ductless Heat Pumps in Manufactured Homes	\$1,200.00
		Energy Star® Geothermal Heat Pump	\$1,500.00
		Forced-air-furnace to Heat Pump Conversion (greater than or equal to 8.5 HSPF, 14 SEER)	\$1,500.00
		Forced-air furnace to Heat Pump Conversion (Manufactured Homes)	Up to \$2,500.00
		Heat Pump Sizing & Lock out Controls	\$300.00
Lighting	Energy Star® CFL Bulbs & recycling	\$2.00	
	Energy Star® Criteria TLED Fixture	\$15.00	
	Energy Star® criteria LED Bulbs including A-Line, Reflector, TLED, MR-16, Candelabra, Globe and other specialty LED bulbs	\$8.00	
	Energy Star® criteria LED Indoor Fixture	\$15.00	
	Energy Star® criteria LED Outdoor Fixture	\$15.00	
	Energy Star® criteria LED Bulbs	Leave behind/Mail-by-Request/Direct install/Engagement. No cost to eligible customers.	
	Induction lighting including A-lamps and other specialty bulbs.	\$8.00	
Plug Load	Advanced Power Strip	Either of 1) \$50.00 each, or 2) Leave behind/Mail-by-Request/Direct install/Engagement. No cost to eligible customers.	
Reporting	Home Energy Reports	Direct mail to program participants. No cost to customers.	



Electric Service, continued

Category	Measure	Maximum Incentive Amount Each
Water Heating	2.0 gallon per minute or less showerhead and ShowerStart Adaptor	\$20.00
	2.0 gallon per minute or less showerhead	Leave behind/Mail-by-Request/Direct install/Engagement. No cost to eligible customers.
	Faucet Aerator 1.5 gallon per minute or below	Leave behind/Mail-by-Request/Direct install/Engagement. No cost to eligible customers.
	Faucet Aerator 1.5 gallon per minute or less	\$2.50
	Low Flow Faucets 1.5 gallon per minute or less	\$20.00
	High Efficiency Electric Water Heater (greater than or equal to .95 EF)	\$50.00
	NEEA Northern Climate Specs Heat Pump Water Heater - Tier 1	Up to \$500.00
	NEEA Northern Climate Specs Heat Pump Water Heater - Tier 2	Up to \$800.00
	NEEA Northern Climate Specs Heat Pump Water Heater – Tier 3 or equal to .95 EF)	Up to \$800.00

Electric Service, continued

Category	Measure	Maximum Incentive Amount Each
<b>Weatherization</b>	Attic Insulation (R-0 to R-49)	Up to \$600.00 per dwelling unit
	Attic Insulation (R-7 to R-49)	Up to \$600.00 per dwelling unit
	Floor Insulation (R-0 to R-30)	Up to \$200.00 per dwelling unit
	Wall Insulation (R-0 to R-13)	Up to \$400.00 per dwelling unit
	Whole House Air Sealing	Up to \$350.00 per dwelling unit
	Prescriptive Air Sealing – attic and crawl space	Up to \$200.00 per dwelling unit
	Prescriptive Duct Sealing and Insulation	Up to \$400.00 per dwelling unit
	Prescriptive Duct Sealing Only	Up to \$300.00/dwelling unit
	Energy Star Whole House Ventilation	Up to \$150.00 per unit
	Home Performance with Energy Star Rebate	Up to \$400.00 per dwelling unit
	Floor Insulation R-0 to R-22 – Manufactured Home	Up to \$600.00/dwelling unit
	Prescriptive Duct Sealing – Single Wide – Manufactured Home	Up to \$200.00/dwelling unit
	Prescriptive Duct Sealing – Double/Triple Wide – Manufactured Home	Up to \$400.00/dwelling unit



Electric Service, continued

Category	Measure	Maximum Incentive Amount Each
Windows	Upgrade single-pane with wood or metal frame windows to a 0.30 U-factor or better – Manufactured Home	\$50.00 per window, up to \$750.00 per structure
	Upgrade double pane metal frame windows to Low-e storm windows – Manufactured Home	\$50.00 per window, up to \$750.00 per structure
	Upgrade double pane metal frame windows to Low-r storm windows	\$50.00 per window, up to \$750.00 per structure
	Upgrade single-pane wood or metal frame windows to a 0.30 U-factor or better.	\$50.00 per window, up to \$750.00 per structure

**Specific requirements for above incentives**

- Some structural, HVAC and water heat measures require qualified contractor installation in order to be eligible for the indicated incentive.

## **C. Residential Fuel Conversion**

Schedule 216 (Electric only)

### **1. Eligibility**

A customer or tenant with applicable owner authorization, of an existing single-family structure receiving electricity through a PSE residential Schedule; Rates 7 (including 17, 27, 37, and 47), 8, 11, and 12.

Single Family Residences include structures with four or less single-family units that are attached by a contiguous roofline and manufactured or factory built homes (mobile and permanently sited). Single Family Residences that are within a multi-family campus as defined in Schedules 217 and 218 of this Tariff and structures under construction, are ineligible for this program. Residential units must be using electricity (provided under terms of an above-mentioned PSE Schedule) as its current primary source of space heating and/or water heating.

Incentives will be provided to qualifying customers for the conversion to natural gas from any eligible electric space heating and/or water heating systems.

Minimum amounts of prior electric energy usage may be required to qualify for the rebate incentive. Minimum requirements can be found in the individual rebate or program application form.

Eligible electric equipment must be converted to eligible highly efficient natural gas equipment listed below to qualify for incentives.

**2. Incentives**

**a. Conversion from Electric Service to Natural Gas Service**

Category	Measure	Maximum Incentive Amount Each
Appliances	Natural Gas Dryer	Up to \$500 per dwelling unit
	Natural Gas Range	Up to \$200 per dwelling unit
Space Heating Only	Natural Gas Space Heating Only -BB	Up to \$2,600 per dwelling unit
	Natural Gas Space Heating Only -FAF	Up to \$2,000 per dwelling unit
Space and Water Heating	Natural Gas Water and Space Heating - BB	up to \$3,550 per dwelling unit
	Natural Gas Water and Space Heating - FAF	Up to \$2,950 per dwelling unit
Water Heating Only	Natural Gas Water Heating Only - Tank	Up to \$950 per dwelling unit
	Natural Gas Water Heating Only - Tankless	Up to \$950 per dwelling unit

**Specific requirements for Fuel Conversion incentives**

- Some measures require qualified contractor installation in order to be eligible for the indicated incentive.

## ***D. Residential New Construction***

Schedules E215 (Single Family New Construction) and E/G 218 (Multifamily New Construction)

### **1. Eligibility**

Eligible customers include the owner, developer, builder/owners or agent acting on behalf of responsible party of service receiving electricity through PSE's residential schedules 7 (including 17, 27, 37 and 47) and 7A, 8, 11 and 12, or commercial Schedules 8, 11, 12, 24, 25, 26, and 31; and/or natural gas service through PSE's residential Schedule 23 or commercial Schedule 31.

All new construction buildings that are in a stage of construction which are not yet completed or ready for occupancy will be served by residential or commercial incentives. Incentives also apply for new additions to structures and complexes along with renovations that change the occupancy use to residential use. Relevant measures will apply only to the newly constructed and/or substantially renovated portion of the structure.

Structures include all Group R Occupancy and other occupancies as outlined in the International Energy Conservation Code of the State of Washington, also known as the Washington State Energy Code (WSEC). These include, but are not limited to: single-family, duplexes, apartments, town homes, condominiums, senior living residences, dormitories, and mixed-use. The program also serves multifamily campuses which have a mixture of building types and residential developments.

For measures that apply to existing structures, please refer to the Multifamily, Existing program measures or Single Family, Existing program measures.



**2. Incentives**

**a. Natural Gas Service**

All buildings with five or more units.

Category	Measure	Maximum Incentive Amount Each
HVAC	Condensing Boiler: Space Heat	\$5.00 per therm
	Condensing Boiler: Service Water Heating	\$5.00 per therm
	Solar Thermal	\$5.00 per therm
	Condensing Water Heater: Service Water Heating	\$5.00 per therm
Whole Building	Target EUI and Actual Use	\$5.00 per therm

Affordable Projects with minimum 50% of all units available to 60% AMI and lower.

Category	Measure	Maximum Incentive Amount Each
HVAC	Condensing Boiler: Space Heat	\$8.85 per therm
	Condensing Boiler: Service Water Heating	\$4.80 per therm
	Solar Thermal	\$5.90 per therm
	Condensing Water Heater: Service Water Heating	\$2.45 per therm
Whole Building	Target EUI and Actual Use	\$5.40 per therm



**b. Electric Service**

All buildings with five or more units.

Category	Measure	Maximum Incentive Amount Each
<b>Appliances</b>	Energy Star® Clothes Washer MEF 2.4 or higher	\$75.00
<b>Common Area Lighting</b>	Corridor Lighting Reduction (Minimum reduction of at least 5 percent below 2012 IECC/WSEC)	\$0.017 per sq. ft. per % improvement
	Bi-Level Stairwell Lighting (Stairs serving four or more floors)	\$70.00 per fixture per landing
	Garage Lighting Reduction (Minimum reduction of at least 5 percent below 2012 IECC/WSEC)	\$0.005 per sq. ft. per % improvement
<b>Water Heat</b>	1.75 GPM Max Electric water heat	\$15.00
	1.50 GPM Max Electric water heat	\$25.00
<b>Whole Building</b>	Target EUI and Actual Use	\$0.30 per kWh

Affordable Projects with minimum 50% of all units available to 60% AMI and lower.

Category	Measure	Maximum Incentive Amount Each
<b>Appliances</b>	Energy Star® Clothes Washer MEF 2.4 or higher	\$75.00
<b>Common Area Lighting</b>	Corridor Lighting Reduction (Minimum reduction of at least 5 percent below 2012 IECC/WSEC)	\$0.035 per sq. ft. per % improvement
	Bi-Level Stairwell Lighting (Stairs serving four or more floors)	\$70.00 per fixture per landing
	Garage Lighting Reduction (Minimum reduction of at least 5 percent below 2012 IECC/WSEC)	\$0.009 per sq. ft. per % improvement
<b>Water Heat</b>	1.75 GPM Max Electric water heat	\$20.00
	1.50 GPM Max Electric water heat	\$30.00
<b>Whole Building</b>	Target EUI and Actual Use	\$0.55 per kWh

## ***E. Multifamily Existing***

Schedule 217 (Electric and Gas)

### **1. Eligibility**

An owner, developer, contractor, equipment supplier or agent acting on behalf of responsible party of service, or the customer of service of an existing multiple-family structure receiving electricity or natural gas through a PSE residential Schedule 7 (including 17, 27, 37 and 47) and 7A, or commercial Schedules 8, 11, 12, 24 and 25 and/or natural gas service under residential Schedule 23 or commercial Schedule 31 or 41.

Existing multifamily structures exclude those which were recently constructed or are in the construction process.

Structures include, but are not limited to: apartments, town homes, condominium residences, and similar structures with five or more attached dwelling units. The program also serves multifamily Campuses<sup>2</sup> which have a mixture of building types including buildings with less than five units. Single Family buildings<sup>3</sup> within a campus may also be eligible to receive measures listed in the Single Family Existing, Schedule 214 chapter, beginning on page 16, and the Residential Fuel Conversion, Schedule 216 chapter, beginning on page 24.

The Multifamily Retrofit program also provides custom measures affecting commercial Schedules, where savings and incentives are calculated by a PSE Energy Management Engineer on a per-structure or per-project basis. Further details of incentive requirements can be found in this publication starting on page 29.

Multifamily measures not listed may be individually considered for incentives, based on overall cost effectiveness and energy efficiency.

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<sup>2</sup> Campuses are defined in Electric and Gas Conservation Schedule 217 in the Availability Section.

<sup>3</sup> Single Family structures are discussed in the Eligibility section on page 16.

Selected PSE-approved contractors or vendors may be eligible for compensation to provide installation of specified measures—as a part of installation of a related measure. (For example, installing one or more Energy Star® CFL bulbs during an HVAC installation), as a part of a pilot program, a limited-time offering, or other circumstances determined by PSE.



**2. Incentives**

**a. Natural Gas Service**

Category	Measure	Maximum Incentive Amount Each
<b>Building Envelope</b>	Attic Insulation R-0 to R-38	\$0.75 per sq. ft.
	Attic Insulation R-11 to R-38	\$0.75 per sq. ft.
	Wall Insulation R-0 to R-11	\$0.75 per sq. ft.
	Floor Insulation R-0 to R-30	\$0.75 per sq. ft.
	Single-pane Windows to U-value 0.30 or lower	\$7.00 per sq. ft.
	Single-pane Windows to U-value 0.22 or lower	\$9.00 per sq. ft.
<b>HVAC</b>	Replace Existing Space Heat Boiler	Calculated incentive
	Replace Existing Domestic Water Boiler	Calculated incentive
	Integrated Space/Water Heating Systems with Energy Star® Tankless or Energy Star® Boiler (In-Unit)	\$800.00
	High Efficiency Natural Gas Fireplace (In-Unit)	\$200.00
	Energy Star® qualified Boilers (In-Unit)	\$350.00
	Energy Star® qualified Gas Furnace, 95% AFUE (In-Unit)	\$350.00
	Variable Speed Drive	Calculated incentive
<b>O&amp;M and Behavioral</b>	Comprehensive Building Tune-up	Calculated
	Strategic Energy Management	No charge to eligible customers
<b>Pool Heaters</b>	Solar Pool Heater	Calculated incentive
	Pool Boiler	Calculated incentive

Natural Gas Service Measures, continued

Category	Measure	Maximum Incentive Amount Each
Water Heat	Direct Install 1.5 Gallon Per Minute or less Shower Heads	Direct Install No charge to eligible customers.
	Direct Install 1.5 Gallon Per Minute or less Shower Head with Integrated Thermostatic Restrictor Valve	Direct Install No charge to eligible customers.
	Direct Install Thermostatic Restrictor Shower Head Adaptor	Direct Install No charge to eligible customers.
	Direct Install 1.5 Gallon Per Minute or less Faucet Aerators	Direct Install No charge to eligible customers.

**Specific requirements for gas incentives**

- A signed Multifamily Incentive Application must be authorized by PSE prior to installation of upgrades (unless otherwise approved by PSE),
- Customer must meet all requirements outlined in the most current PSE Multi-family Retrofit Program Guidelines to participate and receive incentives,
- A Multifamily Payment Request must be authorized by PSE in order to execute incentive payment,
- All calculated incentives will be evaluated using currently accepted PSE commercial engineering calculations,
- All installed measures and incentives require installation by a qualified contractor.



**b. Electric Service**

Category	Measure	Maximum Incentive Amount Each
<b>Air Sealing</b>	Dense Pack Walls and Rim Joists	\$2.00 per sq. ft.
	Attic and/or Crawl Space	\$0.75 per sq. ft.
	Door Kits	\$100.00
	Recessed Can Covers	\$40.00
	Energy Star® Bathroom Fans (DC Motor)	\$200.00
	Bathroom Fan Timers	\$50.00
	Energy Star Doors	\$150.00
<b>Appliances</b>	Energy Star® or equivalent CEE Tier 3 Clothes Washer MEF 2.40 or Greater	\$50.00
	Directly Installed Clothes Washer Replacement (Pre-existing model must be 1997 or earlier)	No charge to eligible customers
	Energy Star Clothes Dryer (Ventless)	\$100.00
	Energy Star Clothes Dryer (Vented)	\$50.00
	Energy Star® or equivalent CEE Tier 3 Refrigerator	\$50.00
	Directly Installed Refrigerator Replacement (Pre-existing model must be 1992 or earlier)	No charge to eligible customers
	Refrigerator or Freezer Decommissioning	\$25.00
	Dishwasher CEE Tier 1 (EWH)	\$20.00
	Directly Installed Tier 2 Advanced Power Strips	No charge to eligible customers
<b>Common Area</b>	Common Area Lighting	Calculated incentive
	Parking Garage CO Sensor	Calculated Incentive
<b>HVAC</b>	Energy Star® Whole House Ventilation	\$50.00
	Energy or Heat Recovery Ventilation (EVR/HVR)	Calculated Incentive
	Ductless Heat Pump	\$1,200.00
	Variable Speed Drive	Calculated Incentive

Electric Measures, continued

Category	Measure	Maximum Incentive Amount Each
<b>Insulation</b>	Attic Insulation R-0 to R-38	\$0.75 per sq. ft.
	Attic Insulation R-11 to R-38	\$0.75 per sq. ft.
	Attic Insulation R-19 to R-38	\$0.75 per sq. ft.
	Floor insulation R-0 to R-30	\$0.75 per sq. ft.
	Floor Insulation R-11 to R-30	\$0.75 per sq. ft.
	Wall insulation R-0 to R-11	\$0.75 per sq. ft.
<b>Lighting</b>	Tenant-controlled Energy Star® or equivalent LED Fixtures	\$25.00 per fixture
	Tenant-controlled Energy Star® or equivalent LED Bulbs (directly installed)	No charge to eligible customers
	Tenant-controlled HPT8 LED upgrade (kitchens and garages only)	\$25.00 per fixture
<b>O&amp;M and Behavioral</b>	Comprehensive Building Tune-up	Calculated
	Strategic Energy Management	No charge to eligible customers
<b>Pool Heat</b>	Solar or Heat Pump Pool Heater upgrade	Calculated incentive
<b>Water Heat</b>	Directly Installed 1.5 Gallon Per Minute (GPM) or less shower heads	No charge to eligible customers
	Directly Installed 1.5 Gallon Per Minute Thermostatic Flow Restrictor Showerhead	No charge to eligible customers
	Directly Installed Thermostatic Flow Restrictor Showerhead Adaptor	No charge to eligible customers
	Directly Installed 1.5 Gallon Per Minute or less Faucet Aerators	No charge to eligible customers
	Heat Pump Water Heater NEEA-NW Climate Tier 1 or Tier 2 Certified Product	\$500.00 - \$800.00
	Directly Installed Water Heater Pipe Wrap; R3 value minimum 3 feet.	No charge to eligible customers
	High Efficiency Electric Water Heater (greater than or equal to .95 EF)	\$50.00



Electric Measures, continued

Category	Measure	Maximum Incentive Amount Each
Windows	Single-Pane Windows to U value 0.30 or less	\$7.00 per sq. ft.
	Single-Pane Windows to U value 0.22 or less	\$9.00 per sq. ft.
	Double -Pane Windows to U value 0.30 or less	\$5.00 per sq. ft.
	Double-Pane Windows to U value 0.22 or less	\$7.00 per sq. ft.

**Specific requirements for above incentives**

- A signed Multifamily Incentive Application must be authorized by PSE prior to installation of upgrades (unless otherwise approved by PSE),
- Customer must meet all requirements outlined in the most current 2012-13 PSE Multifamily Retrofit Program Guidelines to participate and receive incentives,
- A Multifamily Payment Request must be authorized by PSE in order to execute incentive payment,
- All calculated incentives will be evaluated using currently accepted PSE commercial engineering calculations,
- All installed measures and incentives require installation by a qualified contractor.
- Air sealing measures in specific must be installed by a PSE certified Multifamily air sealing contractor.



## **IV. BUSINESS MEASURES, INCENTIVES AND ELIGIBILITY**

## ***F. Commercial and Industrial Retrofit***

Schedule 250 (Electric and Gas)

### **1. Eligibility**

All Commercial and/or Industrial customers receiving electricity or bundled natural gas service from PSE are eligible. Schedule 448, 449, 458, and 459 customers may utilize their Schedule 258 funding allocation for measures offered under this Retrofit program and its related contracted programs. Projects must be approved for funding prior to installation/implementation.

Commercial and Industrial Retrofit incentives are calculated on an individual basis. They take the form of a grant, which is provided upon completion and verification of the project.

### **2. Measures and Incentives**

The Retrofit program is a custom incentive program. It is not limited to any measure type or market segment. It is intended to provide the customer flexibility in developing projects that will result in energy savings.

Available Grants include, but are not limited to:

Measures	Incentive	Eligibility
<b>Grants for Business Lighting</b>	Based on cost and savings analysis, pay the lesser of 70% of the project cost or \$0.20 per annual kWh savings, subject to PSE Cost-Effective Standards.	Lighting measures
<b>Grants for Non-Lighting Measures</b>	Based on cost and savings analysis, pay the lesser of 70% of the project cost or \$0.30 per annual kWh savings (\$5.00 per annual therm savings), subject to PSE Cost-Effective Standards.	Non-Lighting measures
<b>Grants for Advanced Rooftop Controls (ARC)</b>	Based on \$225/ton for PSE electric equipment and an additional \$50/ton for PSE gas equipment.	Existing, single-zone units that are less than 15 years old, have a cooling capacity greater than 5 tons, and a supply fan greater than 1 HP. Projects that don't meet the eligibility requirements may pursue a non-lighting grant.
<b>Post-Occupancy Commissioning</b>	See table and information that follows	Depends on services provided by PSE. See table and information that follows
<b>Comprehensive Building Tune-Up (CBTU) Incentive</b>	See table and information that follows	Depends on services provided by PSE. See table and information that follows
<b>Major HVAC Controls Upgrade</b>	See table and information that follows	Depends on services provided by PSE. See table and information that follows

**a. Measure: LED Street Lighting**

Qualifying customers for this program include Puget Sound Energy electric customers on commercial rate schedules listed in Electric Tariff G (Schedule 262 Electricity Energy Efficiency Program: commercial and industrial incentive program). Eligible schedules include 7A, 8, 10, 11, 12, 24, 25, 26, 29, 31, 35, 40, 49, 50, 51, 52, 53, 54, 55, 57, 58, 448, 449, 458, 459 (or their equivalent).



Retail wheeling customers may utilize their Schedule 258 Large Power User Self-Directed Program incentive allocation.

Measure		Maximum Incentive Amount	Eligibility
<b>LED Street Lighting</b>	LED Fixture less than or equal to 50 Watt	\$40.00	Installed pole-mounted exterior fixtures that are Energy Star® qualified, are on the Qualified Products List of the DesignLights Consortium, or are on the Utility-Qualified list held by the Lighting Design Lab.
	LED Fixture 51 Watt to 75 Watt	\$60.00	
	LED Fixture 76 Watt to 100 Watt	\$60.00	
	LED Fixture 101 Watt to 150 Watt	\$100.00	
	LED Fixture 151 Watt to 200 Watt	\$100.00	
	LED Fixture, 200+ Watt	\$150.00	

**Measure: Post-Occupancy Commissioning**

For buildings that have been occupied between 6 months and 18 months, incentives are designed to cover up to 75 percent of the post-occupancy commissioning costs, as well as to provide the owner a full list of cost-effective energy savings opportunities.

**Post-Occupancy Commissioning Program Incentives**

Description	Incentive Details	Maximum Incentive Building's Utility Services		
		PSE all services	PSE Electricity only (other gas)	PSE gas only
<b>Base Incentive for Commissioning (CX)</b>	Incentive Cap	75% of Commissioning (CX) Provider Costs		
	CX Process: (Investigation, Verification, Systems Manual, Training)	\$0.35/sf	\$0.25/sf	\$0.15/sf

Eligibility for incentives, all building fuel types, requires independent commissioning.

**Measure: Comprehensive Building Tune-Up (CBTU) Program**

For existing building commissioning, (buildings older than 18 months) incentives are designed to cover up to 100 percent of the commissioning costs, as well as to provide the owner a full list of cost-effective energy savings opportunities. The owner is required to commit up to a pre-set dollar amount to implement operational improvements with a less than or equal to two year payback as well as provide up to 50 hours of Operations and Maintenance (O&M) staff time for participation in the process, including training.

Incentives are paid in two phases. A base Incentive is paid after an Assessment and Commissioning is completed. A performance Bonus Incentive is paid after first-year savings requirements are met and the owner documents that savings improvements are still in place. If the assessment indicates the building is an inappropriate candidate for Commissioning, only the Assessment portion of the Base Incentive will be paid.

If there is no metering at the building level, the customer may also be eligible for an incentive for sub-metering to assist the owner in monitoring building energy usage.



**CBTU Program Incentives**

Description	Incentive Details	Maximum Incentive Building's Utility Services		
		PSE all services	PSE Electricity only (other gas)	PSE gas only
<b>Base Incentive for Commissioning (CX)</b>	Incentive Cap	75% of Commissioning (CX) Provider Costs		
	Assessment (Minimum Grant)	\$5,000	\$4,000	\$2,000
	Remaining CX Process: (Investigation, Verification, Systems Manual, Training)	\$0.35/sf	\$0.25/sf	\$0.15/sf
<b>Owner Commitment</b>	Cost of Improvements (Maximum)	\$0.15/sf	\$0.10/sf	\$0.10/sf
	Required Improvements	Improvements with $\leq$ 2 year payback.		
	Implementation Time Frame	Within 6 months of Investigation		
	Senior O&M Staff Time	50 hours to participate in process and training		
<b>One Year Performance Bonus Incentive</b>	Incentive Cap	100% of Total Cost (CX Provider + Implementation)		
	Incentive for Electric Savings	\$0.05/kWh	\$0.05/kWh	N/A
	Incentive for Electric Savings	\$0.05/kWh	\$0.05/kWh	N/A
	Incentive for Gas Savings	\$0.80/therm	N/A	\$0.80/therm
	Required Building Savings	8%	8%	11%
	Required documentation	Evidence that improvements are still in place.		
<b>Sub-metering Incentive</b>	Eligible for incentive if no metering is present at the building level	Pay up to \$3,000 per building to install sub- metering.		

**Measure: Major HVAC Controls Upgrade**

Major HVAC controls upgrade incentives can cover up to 50% of the total applicable project cost depending on verified energy saving from the project. Major HVAC controls upgrades involve adding and/or modifying 3 or more significant energy saving control sequences as well as other major upgrades such as new controllers and a new web-based graphical user interface.

Incentives are provided in 2 phases: a base incentive paid at the end of the installation and a performance incentive paid after almost a full year of actual operation. The performance incentive is based on verified savings at the whole building level. The incentive level varies depending on the services provided by PSE. See the table below.

The project must meet PSE prescribed requirements for the controls sequences and features and the system must undergo testing to verify proper installation and operation. The project must also include customer training and a facility guide designed to help the operator maintain the facility energy efficiency performance over time.

If there is no energy metering at the building level, the customer may also be eligible for an incentive for sub-metering to assist in determining the actual building performance. Whole building sub-metering incentive follows the same guidelines as the sub-metering incentive in the CBTU program.

HVAC Controls Upgrade Incentive		
Incentive Description	PSE Electric (or combined Electric & Natural Gas Service)	PSE Natural Gas Service Only
<b>Maximum Total Incentive = Base + Performance</b>	50 percent of total project cost	25 percent of total project cost
<b>Base Incentive (Based on 5 percent whole building savings*)</b>	\$0.30 per kilowatt-hour (kWh) saved (+ \$4.70 per therm saved)	\$4.70 per therm saved
<b>Maximum Base Incentive</b>	35 percent of cost	15 percent of cost
<b>Performance Incentive (Based on first year whole building savings)</b>	Based on actual percentage of whole building savings greater than six percent	\$4.70 per therm saved

*\*Whole building energy use may exclude large non-HVAC uncontrollable/process loads like data centers. Whole Building Metering: If there is no energy metering at the building level, the customer may also be eligible for an incentive of up to \$3,000 for sub-metering to assist in determining the actual building performance.*

## **G. Industrial System Optimization Program (ISOP)**

### **1. Eligibility**

Industrial customers receiving electric service from PSE are eligible for this program.

### **2. Measures**

The objective of the Industrial System Optimization Program (ISOP) is to identify, evaluate, and implement projects in industrial customer facilities to improve operational energy efficiency. The focus is on energy intensive systems such as refrigeration, compressed air, pumping, fans, and blowers. This is a Performance Basis program that determines savings based on actual verified electric savings from implemented measures.

Operational efficiency improvement measures reduce the energy consumption of a system, process, and entire plant without significant capital investment. The measure focuses on the operation changes instead of equipment or system retrofit.

Examples of the operational efficiency improvement measures include control sequence modification and set-point adjustment for refrigeration systems, compressed air leak detection and repair, compressed air shut-off valves at workstations, modulation of fan or blower speeds based on demand, and controls, modification, or installation of timers to shut off pumps when not required for the operation.

### **3. Incentives**

The customer incentive is to cover a portion of the optional cost the customer incurs to purchase and install a PTS (performance tracking system) and the direct operational efficiency improvement incentive based on verified energy savings.



Measures	Incentive	Eligibility
Operational Efficiency Improvement and Performance Tracking Systems (PTS)	The Lesser of: 1) \$0.05 times verified kWh saved; or 2) 70% of Action Item Cost + PTS Cost (optional). Based on cost and savings analysis, and subject to PSE Cost-Effective standards.	Based on verified savings and End User purchases and installs, PSE approves of optional PTS.

## ***H. Commercial and Industrial New Construction***

Schedule 251 (Electric and Natural Gas)

### **1. Eligibility**

Any Customer, owner or tenant with appropriate owner consent, of a new construction commercial, industrial, multi-family, or mixed-end-use facility or outdoor lighting which will receive natural gas service from the Company, and/or electric service under Schedules 7A, 24, 25, 26, 31, 35, 40, 43, 46, 49, 50, 51, 52, 53, 54, 55, 57, 58, 448, 449, 458, 459 (or their equivalent) of Electric Tariff G of the Company.

Customer must currently be or plan to be a PSE business electric and/or natural gas customer, and the new business site must be within PSE's electric and/or natural gas service areas.

Customer must be pre-approved by PSE prior to the installation of all energy efficiency improvement measures.

### **2. Incentives**

There are three incentive paths for New Construction projects. The paths are intended to provide customers flexibility in meeting their project needs. A commissioning incentive may be used in combination with any of these paths.

Path	Incentive	Eligibility
<b>Energy Model Whole Building</b>	\$0.30 per annual kWh savings and 5.00 per annual therm savings compared to code-baseline or standard practice system. Incremental cost to be the same as the incentive amount.	Facilities must be more than 50,000 sq. ft. and involve multiple measures, as determined by PSE. Facilities less than 50,000 sq. ft may qualify with PSE approval. Facility must use 10% less energy than applicable energy code.
<b>Component Approach</b>	<p><u>Lighting</u>: lesser of 100% of the incremental cost or \$0.20 per annual kWh savings compared to code-baseline or standard practice system, subject to PSE Cost-Effective Standards. Incremental cost to be the same as \$0.20 per annual kWh for projects with a code baseline that uses lighting power density (LPD).</p> <p><u>Non-lighting</u>: lesser of 100% of the incremental cost or \$0.30 per annual kWh savings, subject to PSE Cost-Effective Standards.</p> <p><u>Natural gas</u>: lesser of 100% of the incremental cost or \$5.00 per annual therm savings, subject to PSE Cost-Effective Standards.</p>	For lighting, proposed system must have 10% less lighting power density than applicable energy code.
<b>Rebates Measure</b>	See eligible measures list under Commercial & Industrial Incentives section.	

Incentives, based on square foot of conditioned space, are available for projects utilizing an independent commissioning agent of post-occupancy commissioning:

Description	Incentive Details	Maximum Incentive Building's Utility Services		
		PSE all services	PSE Electricity only (other gas)	PSE gas only
Base Incentive for Commissioning (CX)	Incentive Cap	100% of Commissioning (CX) Provider Costs		
	Remaining CX Process: (Investigation, Verification, Systems Manual, Training)	\$0.35/sf	\$0.25/sf	\$0.15/sf
Owner Commitment	Senior O&M Staff Time	50 hours to participate in process and training		

Eligibility for incentives, all building fuel types, requires independent commissioning.

## ***I. Resource Conservation Management Incentives***

Schedule 253 (Electric and Natural Gas)

### **1. Eligibility**

Any school district, public-sector government agency and commercial or industrial (C/I) customer with facilities receiving electric service under Electric Tariff G from PSE is eligible. Schedule 448, 449, 458, and 459 customers may utilize their Schedule 258 funding allocation for Resource Conservation Management (RCM) Incentives.

Customer eligibility is determined by PSE energy base load and potential savings. A typical customer baseline for maximum program funding is 20,000,000 kWh for electric only or 2,700,000 therms for gas-only service from PSE. Funding levels are prorated based on the amount of staff a customer would need to allocate in order to achieve cost-effective savings from RCM efforts. At a minimum, the customer needs to use 1,000,000 kWh or 135,000 Therms, or the equivalent to participate in the program.

### **2. General Description of Program Offerings**

Resource Conservation Management (RCM)

The table below summarizes the Grant and Services package for the RCM program. A description of each menu item follows providing details of the service and required deliverables. The grant measures are allocated to the year in which PSE expects them to be paid; the actual timing will vary based on the customer's completion of deliverables.

RCM Direct Customer Incentive Table – Figures based on maximum funding amount.

Program Element		Formula / Notes	Measure Cost	Incentive
Year One	<b>Training Allowance</b>	Training stipend for participation in BOC level 1 & 2 training or other accredited training if desired, subject to approval by PSE. Measure cost is PSE discounted tuition.	\$2,000	\$2,000
	<b>Start-Up Incentives</b>	Start-up incentive provided to customers that submit required first year deliverables within first year of grant. Measure cost is 100% of incentive amount.	\$10,000	\$10,000
	<b>Performance Incentive</b>	Performance incentive of \$0.02/kWh and \$0.15/therm of savings up to PSE defined performance target (typically 3% of baseline). If a customer exceeds the target, the performance incentive increases to \$0.035/kWh and \$0.25/therm for each additional unit of energy savings over the target up to 70% of the measure cost.  In this table, an example performance incentive of \$12,000 is shown for a customer that saved 600,000 kWh, or 3% of 20,000,000 kWh baseline. The measure cost is equal to 100% of deemed customer annual program cost, minus the start-up and bonus incentive amount.	\$80,000	\$56,000 maximum
	<b>Target Incentive</b>	Target incentive if customer meets or exceeds PSE defined performance target (typically 3% of baseline). Measure cost is 100% of incentive amount.	\$10,000	\$10,000

Direct Incentives, continued

Program Element		Formula / Notes	Measure Cost	Incentive
Year Two and Three	<b>Training Allowance</b>	Training stipend for participation in BOC level 1 & 2 training or other accredited training if desired, subject to approval by PSE. Measure cost is PSE discounted tuition.	\$2,000	\$2,000
	<b>Performance Incentive</b>	<p>Performance incentive of \$0.02/kWh and \$0.15/therm of savings, up to PSE defined performance target (typically 5% of baseline). If a customer exceeds the target, the performance incentive increases to \$0.035/kWh and \$0.25/therm for each additional unit of energy savings over the target up to 70% of the measure cost.</p> <p>In this table, an example performance incentive of \$20,000 is shown for a customer that saved 1,000,000 kWh, or 5% of their 20,000,000 kWh baseline. The measure cost is equal to 100% of deemed customer annual program cost, minus the bonus incentive amount.</p>	\$80,000	\$56,000 maximum
	<b>Target Incentive</b>	Target incentive if customer meets or exceeds PSE defined performance target (typically 5% of baseline). Measure cost is 100% of incentive amount.	\$20,000	\$20,000
<b>Total Incentives for Initial Three-Year Agreement</b>			<b>\$306,000</b>	<b>\$234,000 maximum</b>

### 3. RCM Direct Customer Incentive Descriptions

#### a. *Start-Up Incentive*

This is a one-time incentive that pays for 10 percent of the time spent on establishing an RCM program during the first year. The actual grant amount will be determined by the customer's PSE energy consumption. Start-up incentives may be prorated for smaller or larger organizations down to \$5000 for customers meeting minimum load requirements.

The start-up incentive will be paid provided the customer completes the following deliverables:

- i. Populate and maintain a Utility Manager Resource Accounting Database (or PSE approved equivalent)
- ii. Hire an RCM or dedicate staff time to RCM activities
- iii. Complete a Resource Management Plan
- iv. Complete Facility Action Plans (or PSE approved equivalent) for all buildings

These deliverables are outlined in a scope of work and are estimated to be completed in the first six to nine months of the agreement. The incentive may be paid at the end of the first six months provided the scope of work has been completed.

#### b. *Performance Incentive*

Once the customer has completed start-up deliverables outlined in item 1, they will be eligible to receive additional cash incentives for achieving energy savings. Only savings achieved relative to occupant and behavioral practices and improvements in operation and maintenance (O&M) practices will be considered for the performance grant. To determine performance grant savings, energy usage will be adjusted for PSE incentivized facility upgrades (ECMs), weather, and other major facility changes.



**c. Target Incentive**

If the customer meets or exceeds their first year target (typically 3 percent), they can receive a target incentive. Note that unlike the performance incentive, savings associated with facility upgrades (ECMs) incentivized through other PSE programs can be attributed to the target incentive. The customer can also receive a target incentive if they meet or exceed their second or third year target (typically 5 percent).

**d. Training Stipend**

PSE will provide a training stipend to be used by the RCM(s) or equivalent employed by each customer. The training budget is based on a negotiated PSE-RCM discounted tuition for the Building Operator Certification (BOC) program. The stipend can be applied to any other equivalent, credentialed RCM-related training course with prior PSE approval only. Tuition allotment will be prorated based on customer baseline usage.

The RCM will be responsible for initial payment and registration and any course-related materials and/or supplies. Travel or other ancillary costs will not be reimbursed. Upon completion of the training course, the RCM shall submit to PSE their final coursework and certificate of completion along with an invoice requesting reimbursement. PSE will review the submittal for successful completion of the training program, and upon approval, will make payment to the customer up to the amount of the training cost or stipend outlined in this grant.

**e. Renewal Grants**

For customers who have reached the end of their initial 3-year RCM agreement, PSE will offer a Renewal contract for an additional three (3) year term. The Renewal contract will include a training stipend, performance incentive, target incentive, continued technical support, and access to the RCM program's value-added services. Similar to the initial agreement, customers will be given targets (typically 5 percent reduction) for each year of the renewal agreement.

#### 4. RCM Value-Added Service Descriptions

There are a number of support activities that PSE provides to each RCM customer as a part of their RCM agreement. While these program elements do not relate to a cash incentive, they are specific project-oriented tasks that relate to a value of service that can be quantified for each customer based on their organization profile. A description of each major service is provided below.

##### **a. Resource Management Software**

PSE will provide the customer with access to resource management software. The software will include facility information and PSE accounts, and will be populated with historical PSE billing data.

Once the customer is trained on the software, the customer is expected to complete the setup with organization structure, building information, utility companies, and account numbers for electricity, gas, water, wastewater, and solid waste accounts.

##### **b. Resource Management Software Set Up**

PSE staff will work with the customer to develop a comprehensive list of the customer's PSE gas and electric accounts and align them to the correct facility. Once this list is developed, PSE will complete the initial setup of resource management software with the customer's facilities and PSE accounts and meters. This web-based software tool will provide access to historical PSE data for each customer's electric and/or gas accounts.

##### **c. Energy Interval Service**

PSE's Energy Interval Service is an internet-based energy information and management tool that helps customers see and interpret utility-use patterns using interval data from gas and electric revenue meters. The system provides timely access to meter and cost data any time of day, seven days a week through the resource accounting software.

The value of this service is the enablement of customers to identify how much, how often, and when power or gas is used at given intervals of time. Data is typically available for viewing the following day after use. PSE will provide the customer with access to the interval data system for all qualifying meters.

**d. Annual Savings Analysis**

PSE will work with the customer to calculate O&M energy savings after each 12-month period of their RCM contract. Adjustments will be made for major capital improvements, change in use, weather, and other factors that may have had a significant impact to facility energy use.

**e. NEEA Conduit Website Access**

PSE will provide access to a private group, “Puget Sound Energy RCM Group,” on Northwest Energy Efficiency Alliance (NEEA)’s Conduit website. This group is an online technical support and materials center that has been developed to help RCMs with their program implementation. The group hosts PSE program materials that have been developed for implementation and reference and allows for RCMs to communicate with each other in a chat room style setting.

**f. Three-for-Free Technical Audits**

For each customer qualifying for full funding, PSE will provide an initial three (3) facility audits to jump-start customers on the process of completing Facility Action Plans. The site visits will act as both training and technical assistance such that through this process, and along with the RCM training series, each RCM will gain the knowledge necessary to perform their own detailed facility audits. During these first walkthroughs, the RCM will learn how to gather the information necessary to complete the second deliverable of the Start-up Grant, their Facility Action Plans. The number of site visits will be prorated based on the baseline usage.

**g. RCM Training Series**

To support customers’ resource conservation efforts, PSE has designed a series of courses to help customers learn more about building energy, resource consuming systems, and the tools that will help customers be effective in their role as resource conservation managers. There are core classes offered, as well as a number of advanced and specialized courses. Most training classes are scheduled to be held at the Bellevue PSE campus, but may be customized for and offered at customer’s facilities. Webinars may also be available.

## ***J. Commercial and Industrial Large Power User Self-Directed***

Schedule 258 (Electric only)

### **1. Eligibility**

Customers receiving electrical service from the Company under Schedules 40, 46, 49, 448, 449, 458 or 459 (or their equivalent) of Electric Tariff G with cost-effective electric energy efficiency projects are eligible to respond to the Company's Requests for Proposals (RFPs). Schedule 258 and the RFPs outline all project funding criteria.

Incentives are calculated on an individual basis. They take the form of a grant, which is provided upon completion and verification of the project.

### **2. Incentives**

The program is a custom incentive program. It is not limited to any measure type or markets. It is intended to provide the customer flexibility in developing projects that will result in energy savings.

The incentive amount is up to \$0.50 per annual kWh savings subject to PSE cost effectiveness standards.

Measure categories include, but are not limited to:

Category	Includes
HVAC and Refrigeration	HVAC – unitary
	HVAC – central
	Heat Recovery Systems
	Chillers
	Economizers
	VAV Boxes
Commissioning and Optimization	Commissioning/Optimization of energy systems
Process Efficiency Improvements	Refrigeration Systems
	Motor and Drive Systems
	Fan, Compressor and Pump Systems or Stations
	High Efficiency Motors
	Other Process Modifications
Building Thermal Improvements	Roof and Ceiling Insulation
	Exterior Roof Insulation
	Wall Insulation
	Insulated Windows
	Duct Insulation
Existing Building Insulation Controls	Energy Management Systems
	Lighting Control Systems
	Process and Other Efficiency
	Control Systems
Lighting Improvements	Fluorescent Luminaires
	LED Luminaires
Water Heating Improvements	Water Heaters
	Piping Insulation
	Low Flow Devices
Resource Conservation Management (RCM)	



**K. Commercial and Industrial Incentives**

Schedule 262 (Electric and Gas)

**1. Eligibility**

All Commercial and/or Industrial customers receiving electricity or bundled natural gas service from PSE are eligible. Schedule 448, 449, 458, and 459 customers may utilize their Schedule 258 funding allocation for measures offered under this program.

Multifamily-related businesses or those with dwelling units will be referred to the Multifamily Program.

In the rare instances that customers operate a business on residential rate schedules (for instance, out of the home or garage) PSE will offer the appropriate measures to them specifically tied to their type of business providing that the customer is able to show proof of business license, pending individual approval by PSE staff

**2. Incentives**

**a. Commercial Clothes Washers**

Customer will receive a rebate based on the energy source for the water heating and/or the energy source fueling the accompanying dryer heat. When the energy for water heating and dryer heating is different, PSE will pay the eligible customer the rebate amount that corresponds to the component of the equipment using energy provided by PSE.

Measure	Maximum Incentive Amount	Eligibility
High-Efficiency Clothes Washers	Up to \$200.00 per unit	Energy Star® qualified

**b. Dishwashers**

Customers will receive a rebate based on dishwasher type and the energy source for water heating and/or a booster heater as outlined by the table below when an Energy Star® Qualified model is purchased. Some leased equipment may also qualify when the lease result in the customer owning the equipment at the end of the lease period.

When the energy for water heating and the booster is different, PSE will pay the eligible customer the rebate amount that corresponds to the component of the equipment using energy provided by PSE.

In applicable instances, PSE will coordinate with the utility that provides the energy for the opposite energy use (for instance, in Snohomish County, PSE provides the natural gas and Snohomish County PUD provides the electricity) and the water utility for consideration of potential incentives when those utilities have corresponding rebates.

- *Sales Performance Incentive Funds (SPIFs) are offered through PSE's Commercial Kitchen Point of Sale program for each type of equipment, and range from \$30 to \$50 per unit sold. For the most part, these sales incentives are given to individual salespeople who sell qualified commercial kitchen equipment to commercial customers installing in a PSE service area and assist the customer with the paperwork process. There may be instances where the company (retailer, reseller, etc.) receives the SPIF. SPIFs are offered to encourage salespeople to offer PSE's rebates at the point of sale.*



**Commercial Dishwasher Rebates**

*E=electric, G=gas*

Type	Water Heater Type	Booster Type	Electric Rebate	Gas Rebate	Possible Total Rebate
Under Counter, Low Temp	E	-	\$150		\$150
Under Counter, Low Temp	G	-		\$150	\$150
Under Counter, High Temp	E	E	\$150		\$150
Under Counter, High Temp	G	E	\$150		\$150
Under Counter, High Temp	E	G	\$150		\$150
Under Counter, High Temp	G	G	\$100	\$50	\$150
Door Type, Low Temp	E	-	\$750		\$750
Door Type, Low Temp	G	-		\$750	\$750
Door Type, High Temp	E	E	\$750		\$750
Door Type, High Temp	G	E	\$500	\$250	\$750
Door Type, High Temp	E	G	\$500	\$250	\$750
Door Type, High Temp	G	G		\$750	\$750
Single Tank Conveyor, Low Temp	E	-	\$1,000		\$1,000
Single Tank Conveyor, Low Temp	G	-		\$1,000	\$1,000
Single Tank Conveyor, High Temp	E	E	\$1,000		\$1,000
Single Tank Conveyor, High Temp	G	E	\$750	\$250	\$1,000
Single Tank Conveyor, High Temp	E	G	\$750	\$250	\$1,000
Single Tank Conveyor, High Temp	G	G		\$1,000	\$1,000



Commercial dishwasher rebates, continued

*E=electric, G=gas*

Type	Water Heater Type	Booster Type	Electric Rebate	Gas Rebate	Possible Total Rebate
Multi Tank Conveyor, Low Temp	E	-	\$1,500	-	\$1,500
Multi Tank Conveyor, Low Temp	G	-	-	\$1,500	\$1,500
Multi Tank Conveyor, High Temp	E	E	\$1,500	-	\$1,500
Multi Tank Conveyor, High Temp	G	E	\$1,000	\$500	\$1,500
Multi Tank Conveyor, High Temp	E	G	\$1,000	\$500	\$1,500
Multi Tank Conveyor, High Temp	G	G	-	\$1,500	\$1,500

**c. Cooking Equipment**

Measure		Maximum Incentive Amount	Eligibility
<b>Hot Food Holding Cabinets</b>	Electric Hot Food Holding Cabinet - Small Size ( $0 < V < 13$ ft <sup>3</sup> )	\$150.00/unit	Energy Star® V2.0 Qualified
	Electric Hot Food Holding Cabinet – Medium Size ( $13 \leq V < 28$ )	\$500.00/unit	
	Electric Hot Food Holding Cabinet – Large Size ( $V \geq 28$ )	\$750.00/unit	
<b>Steamers</b>	10 pans or larger (electric & gas)	\$950.00/unit	Energy Star® V1.2 Qualified
	6 pans (electric & gas)	\$550.00/unit	
	5 pans (electric & gas)	\$450.00/unit	
	4 pans (electric & gas)	\$350.00/unit	
	3 pans (electric & gas)	\$250.00/unit	



Cooking Equipment, Continued

Measure		Maximum Incentive Amount	Eligibility	
Deep Fat Fryers	Standard Vat – electric	\$1,000.00/ unit	Energy Star® V2.0 Qualified	
	Large Vat - electric	\$400.00/unit		
	Standard Vat – gas	\$1000.00/unit		
	Large Vat – gas	\$500/unit		
Ovens	Convection	Commercial Natural Gas or Electric Convection Ovens	A list, based on the Food Service Technology Center (FSTC) will be made available to commercial kitchen equipment dealers and will be posted on the Company's website.	
		\$450.00/Half-size unit (gas)		
		\$500.00/Half-size unit (electric)		
	Combination, Gas	Natural Gas Combination Oven <15 pans		\$1,000.00/unit
		Natural Gas Combination Oven 15-28 pans		\$1,500.00/unit
		Natural Gas Combination Oven >28 pans		\$7,000.00/unit
	Combination, Electric	Electric Combination Oven <15 pans		\$2,500.00/unit
		Electric Combination Oven 15-28 pans		\$3,000.00/unit
		Electric Combination Oven >28 pans		\$7,000.00/unit
	Deck/Rack, Electric or Gas	Electric Deck Oven, any size		\$1,500.00/unit
Natural Gas Single-Rack Oven		\$1,500.00/unit		
Natural Gas-Double-Rack Oven		\$1,000.00/unit		

Cooking Equipment, Continued

Measure		Maximum Incentive Amount	Eligibility
<b>Griddles, Electric</b>	Electric Griddle – 2 linear feet of cook space	\$200.00/unit	Energy Star® V1.2 Qualified
	Electric Griddle – 3 linear feet of cook space	\$300.00/unit	
	Electric Griddle – 4 linear feet of cook space	\$400.00/unit	
	Electric Griddle – 5 linear feet of cook space	\$500.00/unit	
	Electric Griddle – 6 linear feet of cook space	\$600.00/unit	
<b>Griddles, Gas</b>	Gas Griddle – 2 linear feet of cook space	\$900.00/unit	Energy Star® V1.2 Qualified
	Gas Griddle – 3 linear feet of cook space	\$1,300.00/unit	
	Gas Griddle – 4 linear feet of cook space	\$1,400.00/unit	
	Gas Griddle – 5 linear feet of cook space	\$1,500.00/unit	
	Gas Griddle – 6 linear feet of cook space	\$1,600.00/unit	

**d. HVAC Retrofit**

Measure		Rebate Per Ton		Eligibility / Notes	
	<b>Retrofit System</b>	<b>CEE Tier I</b>	<b>CEE Tier II</b>		
<b>Existing System</b>	Heat Pump	Heat Pump	\$100.00	All existing equipment is required to be removed or disabled.  PSE customers using an operational heating and/or cooling system to provide conditioned air to an eligible facility are eligible for this rebate  All equipment must meet CEE Tier I or better qualifications.	
		Gas Pack	\$500.00		
	Electric/ Electric	Heat Pump	\$500.00		
		Gas Pack	\$500.00		
	Gas/ Electric	Gas/Electric	\$100.00		\$150.00

**e. Premium HVAC Service**

Measure	Maximum Incentive Amount	Eligibility
Premium HVAC Service	Four Incentive categories: Fast Food Restaurant, Big Box Retail, Small Office and High Equipment Load Extended Hours Small Commercial Building. Each with an incremental variety of service offerings, ranging from  <b>\$360.00 to \$1,925.00</b> per unit,  depending on system size; 4 tons to 20 tons and over 20 tons.  <i>*Some incentive packages are provided concurrently, while some are in addition to others.</i>	Based on the level of Premium Services and amount of equipment repair or replacement required at the site.

Note: No minimum tonnage requirements for spaces adding demand control ventilation to existing HVAC units.

**f. Lighting**

Customers may receive incentives for energy efficient lighting upgrades by purchasing efficient lighting products from approved vendors that provide incentives at point of sale.

Measure		Maximum Incentive Amount	Eligibility
LED Exit Signs	New LED Exit Sign Retrofit	\$25.00 per fixture	Complete removal and replacement of the entire exit sign, including its components and enclosure. Input power demand 5 Watts or less per sign. Manufacturer warranty for defects in materials and manufacturing for 5 years from date of purchase.
LED Lamps	Decorative Lamps	\$5.00	All LED lamps must be listed on the Energy Star® or Lighting Design Lab Qualified Lamp list. All LED fixtures must be listed on the Energy Star®, Lighting Design Lab, or Design Lab Consortium Qualified Fixtures Lists.
	Omnidirectional Lamps	\$10.00	
	MR16 Lamps	\$15.00	
	Directional Lamps (PAR/R/BR20, PAR/R/BR30, PAR/R/BR38/40) and Screw-in Recessed Can Retrofit Kits	\$20.00	
	Hard Wire Recessed Can Retrofit Kits	\$25.00	
Linear Lamps	T12 to T8 or TLED	\$6.00 per lamp	Based on a lamp-for-lamp exchange.
	Retrofit to TLED (Tubular LED)	\$6.00 per lamp	Based on a lamp-for-lamp exchange.

- *Equivalent point of sale rebates are also available through select vendors for LED lamps and downlighting applications.*

It is important to note that new LED Exit Sign is also included in the Business Lighting program offering.

This program is also offered as part of PSE's Commercial/Industrial Retrofit (Schedule 250) and Commercial/Industrial New Construction (Schedule 251) programs.



**Calculated Lighting Measures**

**Please note:** Calculated lighting measures are processed as a part of custom measures at \$0.20/kWh up to a cap of 70% of the measure cost.

**g. Refrigeration**

**Beverage Cooler Controllers**

Measure	Maximum Incentive Amount	Eligibility
Refrigerated beverage cooler controllers	Installed at the customer's site at no charge.	Any non-hardwired commercially used cooler not containing perishable items and will not contain them in the future. Must be part of the direct installation program.

**Ice Makers**

Ice Harvest Rate (pounds of ice per day)	Incentive Amount	Eligibility
Cube or Nugget units, less than 1,000 lbs/day	\$200.00 per unit	Energy Star® qualified and/or CEE Tier 2 qualified.
Cube or Nugget units, greater or equal to 1,000 lbs/day	\$500.00 per unit	
Flake Units, less than 1,000 lbs/day	\$200.00 per unit	
Flake Units, greater than or equal to 1,000 lbs/day	\$500.00 per unit	

***h. Water; Heat & Management***

Measure	Maximum Incentive Amount	Eligibility
Pre-rinse spray heads 0.65 gallons per minute	Installed at the customer's site at no charge.	Hot water applications only. Food service entities that use PSE electricity or natural gas to heat water.
Aerators 0.5 gallons per minute	Installed at the customer's site at no charge.	Available only where there are hot water applications for customers who use PSE electricity or natural gas to heat water.
Showerheads 1.5 gallons per minute	Installed at the customer's site at no charge.	Available only where there are hot water applications for customers who use PSE electricity or natural gas to heat water.
Heated Dish Well $\leq$ 1 GPH	\$850.00 per unit, gas and electric	Available only where there are hot water applications for customers who use PSE electricity or natural gas to heat water.
Natural Gas High-Efficiency Water Heaters and Boilers in Full-Service Restaurants	Water Heaters: \$800.00 per unit	Energy Star® qualified and unit load must serve a commercial dishwasher in facility.
	Boilers: \$1,500.00 per unit	Boiler thermal efficiency must be equal to or greater than 92% and unit load must serve a commercial dishwasher in facility.
Natural gas water heaters serving Commercial Laundromats	\$800.00 per unit	Energy Star® qualified.
	\$1,500.00 per unit	Boiler thermal efficiency must be equal to or greater than 92%

**3. Direct-Install Programs**

***a. Eligibility***

Qualifying Puget Sound Energy customers for these programs are dependent upon the contracted intent of each and include; Small Business Direct Install, Lodging Direct Install, and Small Agricultural Direct Install.

For Small Business Direct Install, qualifying customers are owners, customers and tenants, with appropriate owner consent, of small to mid-sized business structure receiving electricity through PSE commercial Rate Schedule 24, 25 under 10,000 square feet and 31G. .



Common area facilities supported by commercial meters in multifamily buildings, as defined in electric and gas Schedules 217 and 218 of this Tariff;; and structures under construction, as defined in electric and gas Schedules 250, are ineligible for this program.

For Lodging Direct Install, qualifying customers are customers who operate hotels, motels, Bed and Breakfasts, or like establishments with similar characteristics.

For Small Agricultural Direct Install, qualifying customer own or operate greenhouses, dairies, livestock production, nurseries, crop farms, food processors, and the like, billing less than 350 kW demand or on gas rate schedule 31.

**b. Measures**

Measures installed under these programs are delivered to customers by a third party contractor and/or a PSE employee. Equipment used in the Direct-Install programs must meet requirements as identified in the following tables.

Measure categories include, but are not limited to those in the following tables:

**Direct Install Electric Measures**

Measure	Eligibility
Aerators	Rated at 0.5 gpm to be installed in hot water applications only. For customers who use electricity to heat water.
Anti-Sweat Heater Controls	Must install a device that reduces the energy consumption of the anti-sweat heaters by at least 50% for the glass door (if applicable) and door frame. Technologies that reduce energy consumption of anti-sweat heaters based on sensing humidity only. Does not apply to doors equipped with low/no anti-sweat heat.
Auto Door Closers	For reach-in cases, customers shall install new auto door closers which should be applied to the glass door of reach-in case. The reach-in door must have a minimum perimeter of 15 feet. For walk-in cases, the auto-closer should be applied to the main insulated solid door of a walk-in freezer or cooler. The auto closer must be able to firmly close the main door of the walk-in whenever it is closed to within one inch of full closure.
ECM	Electronically commutated motors (ECMs) will replace shaded pole (SP) motors for display case and walk-in evaporator fans. PSE customers shall purchase and install the ECMs or have ECMs installed by PSE's SBDI program. The customer is responsible to ensure any applicable Energy Code requirements are met.



Electric Measures, continued

Measure	Eligibility
Gaskets	Must replace a worn or damaged gasket on a reach-in glass door of a low or medium temperature display case, walk-in freezer and/or walk-in cooler. Gasket is considered "damaged" if a hand can be placed through a gasket and the frame, and a tear is 6" and greater. Replacement gaskets must meet the manufacturer's specifications regarding dimensions, materials, attachment method, style, compression, and magnetism.
HID Retrofits	LED fixtures installed under this rebate must be qualified under one of the following programs: Energy Star, DesignLights Consortium, or the Lighting Design Lab. Each exterior fixture installed will have a photocell.
In-Room Occupancy Sensors (Lodging)	Lodging Customers shall install either stand-alone guest room HVAC occupancy controls with automatic, unoccupied setback capabilities or a networked guestroom control with similar capabilities. Unoccupied set points must be a minimum of 5 degrees F from the occupied set point.
Integral LED	LED lamps installed under this rebate must be qualified under one of the following programs: Energy Star, DesignLights Consortium, or the Lighting Design Lab.
LED Canopy Lighting	LED fixtures installed under this rebate must be qualified under one of the following programs: Energy Star, DesignLights Consortium, or the Lighting Design Lab. Each fixture installed will have a photocell. To align with PSE's other commercial lighting program, the following specifications also apply: Must replace existing 320w or 400w HID fixture with a LED fixture; the fixtures must be hardwired to prevent the future installation of less-efficient lamps; LED lights must have minimum CRI of 80 and provide a minimum of 70% of initial lumens at 50,000 hrs; Manufacturer's warranty must be a minimum of five years.
LED Exit Sign	LED Exit Signs must use 5 Watts or less and have a 5 year Manufacturer's Warranty.
LED Open Sign	Installed signs must have an efficiency (lumens/Watt) of 80 or greater, must be complete new LED fixtures, and LED Replacement signs will operate at a maximum of 11-watts when on, and draw zero measureable watts when off.
Night Covers	A night cover applied to open-type refrigerator and freezer display cases in vertical, semi-vertical, and horizontal displays. The night cover must be in place at least six hours in a 24-hour period.
Occupancy Sensors	Must allow for both infrared (IR) and sonic detection

Electric Measures, continued

Measure	Eligibility
Packaged Terminal Heat Pump	New packaged Terminal Heat pumps must meet or exceed current Washington state energy code by a minimum of 10%.
Pre Rinse Spray Valve	Rated at 0.65 gpm to be installed in hot water applications only
Refrigerated Case Lighting	Must consume between 4.0 and 7.5 W of electricity per lineal foot and listed on either the Lighting Design Laboratory or the Design Lights Consortium qualified lists for linear LED lamps. Fixtures must be hardwired.
Retrofit to T8	Baseline savings will be based on the existing T12 lamp wattage and replacement T8 lamp wattage. Ballast must be NEMA Premium or CEE listed; Low Light Output – ballast factor < 0.78 (LLO); High Light Output – ballast factor <1.15 (HLO). Lamp must be ENERGYSTAR, Design Lights Consortium, or Lighting Design Lab Listed.
Retrofit to TLED	Baseline savings will be based on the existing T12 or T8 lamp wattage and replacement using a 14W TLED lamp. For Direct Install, existing ballast must be replaced with a NEMA Premium or CEE listed; Low Light Output – ballast factor < 0.78 (LLO); High Light Output – ballast factor <1.15 (HLO). Lamp must be ENERGYSTAR, Design Lights Consortium, or Lighting Design Lab Listed.
Showerheads	Must replace existing showerhead (assumed 2.5 GPM) with a 1.5 GPM showerhead.
Smart Strips	Must be UL listed, Installed in Workplace setting. Measure does not include timer strips. May be load or activity sensing.
Strip Curtains	Strip curtains, made generally of clear PVC strips, must be nominally between 4' to 8' wide and between 0.060" to 0.080" thick and clear enough to allow for see-through visibility. This measure consists of new strip curtains installed on doorways of refrigerated freezer or cooler boxes. This measure is NOT eligible for display cases or for replacing existing strip curtains.

**Direct Install Natural Gas Measures**

Measure	Eligibility
Pre-rinse sprayers - gas heated hot water	Rated at <b>0.65</b> gpm to be installed in hot water applications only. Food service entities that use gas to heat water.
Aerator - gas heated hot water	Rated at 0.5 gpm to be installed in hot water applications only. For customers who use gas to heat water.
Super Low Flow Showerhead - gas heated hot water	1.5 GPM showerhead to replace a typical 2.5 GPM showerhead.
Web Enabled Thermostats	1) Must be connected and able to be accessed remotely 2) Must be able to maintain settings during power failure. 3) Must allow seven-day programming, temporary manual override and manual selection for fan operation.
In Room Occupancy Sensors	Hospitality Customers shall install either stand-alone guest room HVAC occupancy controls with automatic, unoccupied setback capabilities or a networked guestroom control with similar capabilities. Unoccupied set points must be a minimum of 5 degrees F from the occupied set point.

**c. Incentives**

Measures are installed at the customer’s site directly by the third party implementer and/or a qualified Contractor Alliance Network representative. Complex measures will require a co-pay by the customer. Incentives payments for measures with a co-pay will be in alignment with the Business Lighting rebate program. Incentives are paid to the contractor, and are not intended to be a direct-to-customer rebate.



## V. REGIONAL EFFICIENCY PROGRAMS

### A. Northwest Energy Efficiency Alliance (NEEA)

Schedule 254 (Electric only)

The majority of NEEA programs, measures and initiatives are intended to influence the marketplace as a whole are rarely are targeted to consumers. Rather, NEEA intends to influence utilities, manufacturers, distributors, retailers, builders, property management firms,

Whether directly or indirectly, NEEA sponsors programs and initiatives including but not limited to the following categories:

#### Residential

- New Home Construction
- Consumer Products
- Lighting
- Appliances

#### Commercial

- Energy-efficient design
- Appliance Controls
- Energy Management
- Energy Codes and Standards

#### Industrial

- Energy Management
- Regional Technical Solutions
- Sector-wide efficiency Initiatives

#### Emerging Technologies

- Residential HVAC
- Regional Collaboration among Utilities

With the exception of this sentence, PSE intentionally left this page blank.

## VI. OTHER ELECTRIC PROGRAMS

### A. Net Metering

Schedule 150 (Electric only)

#### 1. Eligibility

Customer-Generators who operate fuel cells or produce electricity and used and useful thermal energy from a common fuel source or who generate electricity using hydroelectric, solar, or wind energy or biogas from animal waste as fuel, with a total capacity of no more than 100 kilowatts (kW) and the generation is located on their own premises. Such generator must operate in parallel with PSE's transmission and distribution facilities. Detailed availability is outlined in PSE's Schedule 150.

## ***B. Renewable Energy Advantage Program***

Schedule 150 & 151 (Electric only)

### **1. Eligibility**

Customer-Generators who receive electric service from the Company and operate a qualifying Generation System on their Premises. Where the Generation System will be interconnected with the Company's distribution system such interconnection shall be under the provisions of a separate interconnection (net metering) agreement. If the Generation System is interconnected with the Company's transmission or distribution system, service under this schedule is not available except during the effectiveness of an interconnection agreement between the Customer-Generator and the Company.

The Customer-Generator must own the real property on which the Generation System is located.

Generation Systems that operate on real property where the Company provides Electric Service, but the Generation System is not interconnected to the Company's distribution system are also eligible. Generation Systems installed on real property that are not and will never be served by the Company are not eligible for service under this schedule.

Detailed eligibility requirements are enumerated in PSE's Schedule 151.



## 2. Annual Payments

Customer-Generated Power	Base Rate	Payment Factor	Price per kWh
Solar modules and inverter manufactured in Washington state	\$0.15	3.6	\$0.54
Solar modules manufactured in Washington state	\$0.15	2.4	\$0.36
Solar or wind generating equipment with an inverter manufactured in Washington state	\$0.15	1.2	\$0.18
Anaerobic digester or other solar equipment without components manufactured in Washington state	\$0.15	1.0	\$0.15
Wind generator equipped with blades manufactured in Washington state	\$0.15	1.0	\$0.15

Incentive payments will be made once annually and are computed using the price per kWh from the above table, multiplied by the total kWh generated during the payment period. The payment period is from July 1 of one year through June 30 of the next year. The aggregate payment amount is capped according to requirements enumerated in WAC 458-20-273(501)(a) and (701). Once the cap is reached, PSE will proportionately reduce individual payments as new renewable generating systems are added.

(501) **How is an incentive payment computed?** The computation for the incentive payment involves a base rate that is multiplied by an economic development factor determined by the amount of the system's manufacture in Washington state to determine the incentive payment rate. The incentive payment rate is then multiplied by the system's gross kilowatt-hours generated to determine the incentive payment.

- (a) **Determining the base rate.** The first step in computing the incentive payment is to determine the correct base rate to apply, specifically:
- Fifteen cents per economic development kilowatt-hour; or
  - Thirty cents per economic development kilowatt-hour for community solar projects.

If requests for incentive payments exceed the amount of funds available for credit to the participating light and power business, the incentive payments must be reduced proportionately

(701) **Does the department of revenue consider the incentive payment gross income subject to Washington state taxation?** The answer will depend on whether the electricity is generated by a singly owned system or a community solar system.

Hybrid systems, such as a combination of solar and wind, will be paid at the lowest price per kWh, unless each distinct part of the system is separately metered.

If a Customer-Generator adds a new portion to the existing system (For instance, a new 1 kW array of solar panels manufactured in Washington), the lower payment factor will apply, unless the new portion of the system is separately metered.

## VII. MEASURE LIFE CALCULATIONS

### A. Residential Programs

<b>Measure/Incentive/Initiative</b>	<b>Maximum Measure Life, Years</b>
Boilers, Energy Star®	20
CFL Lamp, Energy Star® qualified, any exterior application	4
CFL Fixture Energy Star® qualified, any exterior or interior application	15
CFL Lamp, Energy Star® any interior application	5
Clothes Washers, Energy Star®	14
Clothes Dryers, Energy Star® Heat Pump	12
Compact Fluorescent Light (CFL) Bulb Energy Star® qualified, any interior application	5
Dishwashers, Energy Star®	9
Duct leakage testing and duct sealing	20
Duct Sealing	20
Freezers	20
Fireplace, High Efficiency, Natural Gas	25
Fuel Conversion—Space and Water Heat	30
Furnace, Energy Star® Natural Gas	18
Heat Pump – ductless using inverter technology	20
Heat Pump – Energy Star® qualified (air-source, split systems)	18
Heat Pump – Geothermal, Energy Star®	30
Heat pump replacement for an electric furnace	18
HomePrint Audit	3
Insulation, Attic (R-11 or less to R-38)	30
Insulation, Duct (R-0 to R-11)	30
Insulation, Floor (R-11 or less to minimum R-19, up to R-30)	30
Insulation, Wall (R-0 to R-13)	30
Light socket, CFL conversion assembly	15
Manufactured Home, Energy Star® certified	30
Multifamily Lighting measures (including lighting reduction)	12



Residential Programs, continued

Measure/Incentive/Initiative	Maximum Measure Life, Years
Refrigerator Decommissioning	5
Refrigerator, Energy Star®	17
Replacement Doors	30
Showerheads, Energy Efficient Residential in <u>Multifamily</u> units	6
Showerheads, Energy Efficient Residential all dwelling types	10
Waste Water Heat Recovery	30
Water Heater Pipe Insulation (Minimum 3 feet)	15
Water heater, Natural Gas, Energy Star®	12
Water Heater, Tankless, Natural Gas, Energy Star®	20
Water Heater, Heat Pump Water Heater, Energy Star®	15
Water Heater, High Efficiency, Electric Storage	13
Windows- Single pane upgrade to class 33 or greater <sup>4</sup>	30
Whole house ventilation	15

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<sup>4</sup> Windows will be funded only when bundled with other qualifying weatherization Measures.

**B. Low Income Weatherization Program Specific Measure Life**

Unless otherwise noted in the below table, all measure life figures in the above table apply to the Company’s Low Income Weatherization program.

Measure/Incentive/Initiative	Maximum Measure Life, Years
Electric Thermostat, Low Income Weatherization	15
Structure Sealing, Manufactured Home	25
Insulation, Manufactured Home, Attic (R-11 or less to R-30)	25
Insulation, Floor, Manufactured Home, (R-11 or less to minimum R-19, up to R-30)	25
Insulation, Wall, Manufactured Home, (R-0 to R-11 or fill cavity)	25
Windows, Manufactured Home	25
Duct Sealing, Manufactured Home	18

**C. Commercial and Industrial Programs**

Measure/Incentive/Initiative	Maximum Measure Life, Years
<b>Building Thermal Improvements:</b>	
Duct Insulation	15
Exterior Roof Insulation	15
Insulated Windows	30
Roof and Ceiling Insulation	24
Wall Insulation	24
<b>Commissioning and Optimization:</b>	
Commissioning/Optimization of Energy Systems	5
<b>Controls:</b>	
HVAC Controls and Energy Management Systems	10
Lighting Control Systems	10
PC Power Management	4
Process and Other Efficiency Control Systems	10
Cooler Controller	10
<b>HVAC and Refrigeration:</b>	
Boilers—Steam	30
Boilers--Hot water	24
Chillers	20
Economizers	10
Evaporative assist cooling for HVAC equipment	15
Heat Recovery Systems	15
High Efficiency HVAC Retrofit Applications	15
HVAC – central	15
Premium HVAC Service	5
HVAC – unitary	15

Commercial and Industrial Programs, continued

Measure/Incentive/Initiative	Maximum Measure Life, Years
<b>Lighting Improvements:</b>	
TLED Lamps	12
Fluorescent Luminaires	12
HID Luminaires	12
LED Exit Signs	12
LED Luminaires	12
LED Street Lighting	20
Locking Screw-in CFL	12
Low Wattage T8 Lamps	6
Integral Ballasted LED Lamps	12
Ceramic Metal Halide Lamps	5
Screw-in CFL	3
<b>New Construction Whole Building Analysis</b>	
Energy Model Whole Building Approach	15
<b>Process Efficiency Improvements:</b>	
Fan, Compressor and Pump Systems or Stations	15
Motor and Drive Systems	15
Process Optimization	5
Other Process Modifications	15
Reciprocating Engines	15
Refrigeration Systems	15



Commercial and Industrial Programs, continued

Measure/Incentive/Initiative	Maximum Measure Life, Years
<b>Restaurant/Kitchen Equipment:</b>	
Connectionless Steamer	10
Deep Fat Fryer	8
Dishwashers	
Conveyor type	20
Door type	15
Under counter	10
Hot Food Holding Cabinet	12
Pre-Rinse Spray Heads	5
<b>Water Heating Improvements:</b>	
Low Flow Devices	10
Piping Insulation	15
Water Heaters	7
<b>Other:</b>	
Clothes Washers, Multifamily, High-use	8
Transformers	15
Green Motor Rewinds	10
Ice Makers	12
Resource Conservation Manager (Behavioral)	3
Voltage Optimization	15



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## VIII. GLOSSARY OF ACRONYMS

<b>AFUE</b>	Annual Fuel Utilization Efficiency (standard federal efficiency rating)
<b>AHU</b>	Air Handling Unit
<b>AIA</b>	American Institute of Architect
<b>ANSI</b>	American National Standards Institute
<b>ASHRAE</b>	American Society of Heating, Refrigerating, and Air-Conditioning Engineers
<b>BOMA</b>	Building Owners and Managers Association
<b>BPA</b>	Bonneville Power Administration
<b>CEE</b>	Consortium for Energy Efficiency
<b>CMS</b>	Customer Management System
<b>CRAG</b>	Conservation Resource Advisory Group
<b>DCV</b>	Demand Control Ventilation
<b>DDC</b>	Design Development and Construction
<b>Direct Install Measure</b>	A conservation measure that is installed by a PSE representative—rather than a PSE customer—into a qualifying structure.
<b>ECM</b>	Electronically Commutated Motor
<b>CS</b>	Customer Solutions. A division within PSE whose charter is to provide outstanding customer service in achieving all available, feasible, and cost-effective conservation within the PSE service territory.
<b>EF</b>	Energy Factor
<b>EUI</b>	Energy Usage Index
<b>FSTC</b>	Food Service Technology Center
<b>FTE</b>	Full Time Equivalent (applicable to staffing levels, etc.)
<b>GPM</b>	Gallons Per Minute

**Acronyms, Continued**

<b>HID</b>	High Intensity Discharge (applies to Lighting measures)
<b>HSPF</b>	Heating Seasonal Performance Factor
<b>HVAC</b>	Heating, Ventilation and Air Conditioning
<b>IPLV</b>	Integrated Part Load Value
<b>kWh</b>	Kilowatt Hour
<b>MEF</b>	Manufacturers Efficiency Factor
<b>NEMA</b>	National Electrical Manufacturers Association
<b>O&amp;M</b>	Operations and Maintenance
<b>ODP</b>	Open Drip-Proof (motors)
<b>PTCS</b>	Performance Tested Comfort Systems
<b>PTHP</b>	Package Terminal Heat Pump
<b>SEER</b>	Seasonal Energy Efficiency Ratio
<b>SPIFF</b>	A colloquialism, representing an incentive paid to a salesperson for selling a specific product. Also referred to as SPIV or SPIF. SPIF is not actually an acronym, as (in most cases) it doesn't have directly-correlating words (such as "Sales Person Incentive....??").
<b>TEFC</b>	Totally Enclosed, Fan-Cooled (motors)
<b>TRC</b>	Total Resource Cost
<b>UC</b>	Utility Cost
<b>ULI</b>	Urban Land Institute
<b>USGBC</b>	U.S. Green Building Council
<b>UL</b>	Underwriters' Laboratory
<b>VAV</b>	Variable Air Volume

Acronyms, continued

<b>VFD</b>	Variable Frequency Drive
<b>WAMOA</b>	Washington Association of Maintenance and Operations Administrators
<b>WF</b>	Water Factor: a measure of water consumption. A higher number, representing lower efficiency, is less desirable.
<b>WSEC</b>	Washington State Energy Code