



Business Efficiency Programs 2016-2017



PUGET
SOUND
ENERGY

Safety Moment: Call 811 before you dig

- It's the **LAW** and it's **FREE!**
- A service that will mark the location of underground utility lines.
- Use it to avoid fines for unlawful digging.
- It helps prevent serious injury or potential hazards from striking or damaging underground utility lines.
- Applies even if you only plan to use a shovel or hand tool.

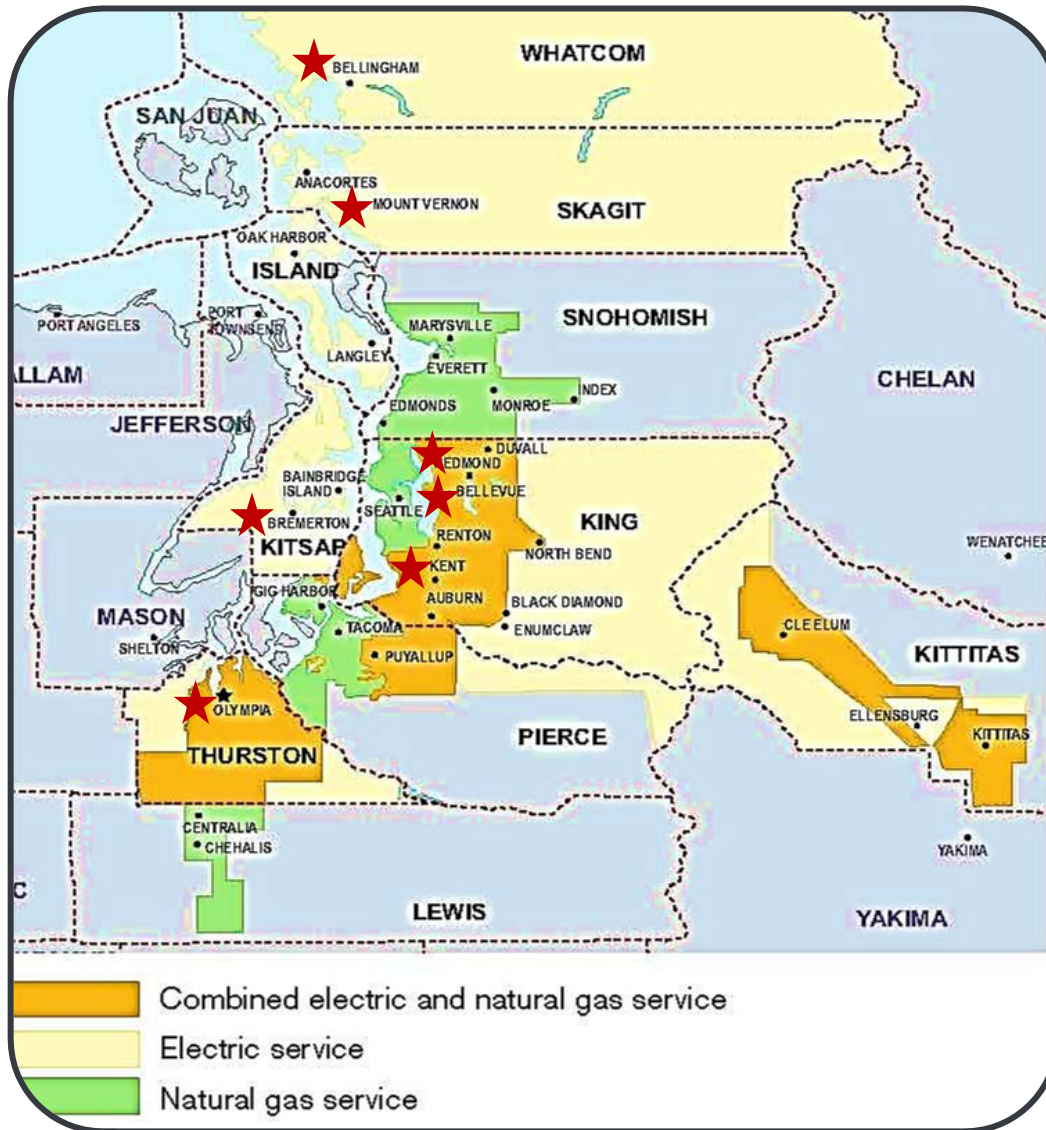


PSE Service Territory: **Regional EE Partner**

Business Energy Management Team supports Customers throughout PSE's Service Territory

★ PSE Locations with EE Support:

- Energy Management Engineers (EME)
- Community Outreach Staff
- Bellingham Service Center
- Skagit Service Center (Burlington)
- Bothell Building H
- Bellevue, PSE Headquarters
- South King Complex (Kent)
- Kitsap Service Center (Bremerton)
- Olympia Service Center



EE Business Programs

Energy Management

Commercial HVAC

Direct Install

Kitchen

Laundry

Lighting

New Construction

Retrofit Grants

Tools + Resources



Resource Conservation Manager (RCM)

- O&M & behavioral changes that result in energy savings in commercial facilities
- Any PSE customer with a portfolio of buildings that consume **1,000,000 kWh** of PSE electricity or **135,000 therms** of PSE natural gas (or equivalent combination)
- Incentives vary based on portfolio size and performance –
 - Start-up Grant – Up to \$10,000
 - Pay for Performance – \$0.02/kWh & \$0.15/therm
 - Target Incentive – Up to \$10,000
 - Training Allowance – Up to \$2,000

**Customers typically achieve
10 to 15% savings**

PSE will provide customers with training, technical support, energy data, software and incentives to help them manage energy usage across their portfolio through behavioral and operation and maintenance savings.

Comprehensive Building Tune-Up (CBTU)

- **PSE provides incentives of up to 100% to cover commissioning costs**

- Any PSE customer with a building larger than 50,000 ft²
- Building must be older than 18 months
- Must use approved provider
- Must be approved by PSE as a good candidate
- \$0.15 to \$0.35/ft² plus one-year performance incentive, up to 100% of provider costs

Program energy savings: 7-15 %
Average payback period: 0.6 years

- **Post-Occupancy commissioning is now an incentive through CBTU**

- PSE will pay for up to 75% of third-party post-occupancy commissioning per building code
- \$0.15/ft² to \$0.35/ft², up to 75% of provider costs
- Building must be 6 months to 18 months old

The most cost-effective way to save energy!

Benefits: Whole building | sub-metering incentive | Energy audit | Facility Guide



PSE's Comprehensive Building Tune-Up Program cost the hotel nothing, and saves us electricity and gas every month. What's not to like about that?

Tim Altier Chief Engineer, The Westin Bellevue



Industrial System Optimization Program (ISOP)

- ISOP will continue to serve PSE Industrial customers
- Natural gas incentives + SEM offering coming soon:
 - Still must be a PSE electric customer



Facility energy savings: 5-15 %
Average payback period: < 1 year

- Provides **no and low-cost** operation and management improvements to your facility
- Includes **engineering support at no cost** to the customer
- Provides **in-depth action plan** to achieve energy savings
- Incentive is **\$0.05/kWh up to 70%** of the implementation cost

Eligibility Guidelines:

Typical use at least 1 million kWh

Building should have industrial processes
(fans, pumps, blowers, refrigeration,
compressed air, etc)

Commercial HVAC Incentives

On-going HVAC incentive Programs:

- **High-efficiency Commercial HVAC Unit Replacement**
 - Incentives of \$100/ton to \$550/ton
- **Demand Control Ventilation**
 - For retail businesses
 - Constant volume
 - \$450/unit incentive
- **Web Enabled Thermostat rebates**
- **Commercial HVAC Rooftop Unit Premium Service incentive**
 - Incentives range depending on size and service



Did you know that almost half of business energy bills can be attributed to heating and cooling?

Commercial Kitchen Equipment Incentives

- **Cooking + Refrigeration + Water Heating and Sanitation Equipment**

- Must be served by PSE electricity or natural gas
- PSE will incentivize high-efficiency equipment
- Customers can receive incentives by completing application
- Or from purchasing at an approved kitchen distributor
- Incentives range from \$100 to \$2,000/unit, depending on the equipment
- Current qualifying equipment include:
 - **Fryers**
 - **Steamers**
 - **Convection, Combi, Conveyer, Rack Ovens**
 - **Ice Makers**
 - **Water Heaters & Boilers**
 - **Dish Washers**

Did you know that more than 50 percent of the energy used in most restaurants is from cooking and sanitation?

Commercial Lighting Programs



1 Lighting to Go:

LED screw in lamp **point of sale incentives from distributors** offered to commercial customers exclusively through the Lighting To Go program.

2 Business Lighting:

\$0.20/kWh up to 70% of the project cost, must be cost-effective as determined by PSE.



Commercial New Construction Grants

- **LPD Approach** – PSE plans on using a **lighting power density (LPD) approach** going forward for **new construction lighting projects**
 - LPD approach **utilizes energy code as a baseline** for applicable space types
 - Incentive will be based on **proposed design in comparison to the code**; measure cost will be assumed to be the same as the incentive amount

Incentive Paths

- **Whole Building Approach**

Energy Modeled Savings

\$0.30/kWh or \$5/therm (non-lighting), up to 100% of incremental cost

- **Component Approach (Lighting)**

WA State Energy Code Lighting Power Density (LPD) must apply to space type

\$0.20/kWh up to 100% of incremental cost

Lighting must be 10% more efficient than code

Design Team Support!

- **Component Approach**

\$0.30/kWh or \$5/therm (non-lighting), \$0.20/kWh (lighting), up to 100% of incremental cost



Commercial Retrofit Grants

- **Custom Incentives to fit your needs:**
 - **Electric (Non-Lighting) = \$0.30/kWh** up to **70%** of project or incremental cost
 - **Natural Gas = \$5/therm** up to **70%** of project or incremental cost
 - We will consider funding **any cost-effective measure** that provides quantifiable energy savings benefits! (VFDs, chiller upgrades, boiler upgrades, grocer measures, data center measures)

New incentives:

Advanced Rooftop Unit Controller (ARC Joint Utility Rebate)


- PSE is offering a **streamlined standard incentive and protocol for advanced rooftop controllers**, consistent with the three other I-5 regional utilities (Snohomish PUD, Tacoma Power, Seattle City Light)
- The incentive is **\$225/ton for the electric** utility and **\$50/ton for the gas** utility

Major HVAC Controls Upgrades

- Incentives cover up to **50%** of the cost of upgrading your HVAC controls
- Incentive levels vary depending on the services provided by PSE, the energy use of your facility and the verified savings
- At least a **5% savings** is expected

Thank You!

www.pse.com/mybusiness

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For Trade Allies

Alt Fuel Vehicles

About Efficiency



Commercial




Make energy efficiency your business's best asset


When you're looking to bump up your business's bottom line through energy efficiency improvements, use PSE's commercial incentives to save on energy-efficient equipment and waste-reducing services.

For personalized advice, call an [Energy Advisor](#) at 1-800-562-1482, Monday through Friday from 8 a.m. to 5 p.m.


Please be advised of [modifications](#) to our commercial rebates and incentives, effective Jan. 1, 2016.




Energy Management




HVAC




Kitchen




Laundry




Lighting



New construction




Retrofit grants



Small business

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Ask an Energy Advisor

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1-800-562-1482

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