



# Energy Trust of Oregon - Existing Buildings Association of Professional Energy Managers Fall 2016 Forum



# About

- Independent nonprofit
- Serving 1.5 million customers of Portland General Electric, Pacific Power, NW Natural and Cascade Natural Gas
- Providing access to affordable energy
- Generating homegrown, renewable power
- Building a stronger Oregon and SW Washington



# Existing Buildings

# Types of commercial businesses served

Auto services

Higher education

Commercial buildings

Hospitality

Data centers

K-12 schools

Foodservice

Municipalities

Grocery stores

Senior centers

Healthcare

Warehousing

Retail space



# Benefits for existing commercial businesses

- **Identify opportunity:** Assistance to identify energy saving opportunities
- **Expert help:** Referrals to qualified trade allies
- **Evaluation:** Review facility studies
- **Cash incentives:** Help make it more affordable



# Eligible energy-saving improvements

- Lighting and lighting controls
- Heating and cooling equipment
- Lodging and foodservice equipment
- Heat pumps
- Insulation
- Computer equipment
- Compressed air
- Grocery





## Lighting

- Nearly 35 percent of electric use in commercial buildings
- Quick payback period for many lighting improvements
- Standard cash incentives for energy-efficient lighting upgrades



# Foodservice and Restaurants

Many Standard measures:

- Convection oven
- Fryer
- Heat pump
- Steam cooker
- Dishwasher

Energy Trust can provide:

- Specialized outreach professionals
- Custom cash incentives



# Foodservice and Restaurants

- High-efficiency foodservice equipment
- HVAC equipment
- Lighting and lighting controls
- Electrically commutating motors
- High-efficiency water heaters
- Insulation



# Grocery

Energy Trust can provide cash incentives:

- Floating head pressure controls
- Energy-efficient fan motors
- LED case lighting
- Anti-sweat controls
- Night covers
- Strip curtains
- Motion sensors



# Commercial Building

Technical assistance provided

Opportunities:

- High-efficiency motion sensor nightlights
- Package terminal heat pump
- VFD
- HVAC tune up
- Building automation
- Boiler
- Insulation
- Power management



# Data Center

Energy intensive business

Opportunities:

- Efficient cooling systems
- Air flow management
- Server room design and equipment configuration
- Energy-saving software



# Hospitals and Healthcare

- Around the clock lighting
- Power-intensive equipment
- Strict air quality standards

## Energy-efficient upgrades:

- HVAC improvements
- Lighting, daylighting and controls
- Building envelope upgrades
- Efficiency upgrades for hospital data centers
- High-efficiency foodservice equipment

# Custom Projects

- Energy projects that use non-standard equipment
- Technical analysis of facility
- Virtually any energy-efficiency equipment may be eligible for custom incentives
- Requirement: all custom projects must be pre-qualified by Energy Trust before proceeding with equipment purchase



# Custom incentives

## **Gas:**

\$3.00/therm

Capped at 75%

## **Electric:**

\$0.25/kWh

Capped at 60%

## **Dual-fuel:**

\$3.00/therm

\$0.25/kWh

Capped at 75%



# Community College DDC Retrofit

**\$22,239**  
**Project Cost**

**\$11,119**  
**Energy Trust  
Incentive**

**108,300 kWh**  
**Annual  
Savings**

**\$8,014**  
**Estimated  
Annual Utility  
Cost Savings**

# Shopping Mall Roof Top Units

**\$102,000**  
**Project Cost**

**\$51,000**  
**Energy Trust  
Incentive**

**256,000 kWh**  
**Annual  
Savings**

**\$18,743**  
**Estimated  
Annual Utility  
Cost Savings**

# Standard Incentives

Standard incentives are pre-determined set cash incentives.

Does not require pre-approval prior to equipment purchase.

- Premium Gas HVAC and Water Heating
- Commercial kitchens
- Controls systems
- Insulation: Gas and Electric Heat
- Computer Equipment
- Compressed Air
- Energy-Efficient Heat Pumps



COMMERCIAL Oregon Incentives

**SAVE MONEY NOW.  
SAVE ENERGY AND MONEY  
FOR YEARS TO COME.**

EXISTING BUILDINGS STANDARD INCENTIVES  
FOR OREGON BUSINESS CUSTOMERS  
EFFECTIVE JANUARY 2016

EnergyTrust  
of Oregon

# Lodge

## Attic Insulation

**\$1,735**  
**Project Cost**

**\$1,020**  
**Energy Trust  
Incentive**

**19,685 kWh**  
**Annual  
Savings**

**\$1,457**  
**Estimated  
Annual Utility  
Cost Savings**

# Path to Energy Savings

- **Get started:** Identify energy efficiency opportunities
- **Reach out:** Contact Energy Trust account manager or an Energy Trust trade ally
- **Create partnerships:** Energy Trust, trade ally and PropertyFit





Thank you

Michelle Missfeldt  
Account Manager  
Existing Buildings

Michelle.Missfeldt@icfi.com  
503.407.7537

