



New Buildings program
Cash incentives and resources
Lincoln City – January 24, 2024



About us

Independent
nonprofit

Serving 2.4 million customers of
Portland General Electric,
Pacific Power, NW Natural,
Cascade Natural Gas and Avista

Providing
access to
affordable
energy

Generating
homegrown,
renewable
power

Building a
stronger Oregon
and SW
Washington

Clean and affordable energy since 2002

From Energy Trust's investment of \$2.6 billion in utility customer funds:



Nearly 808,000 sites transformed into energy efficient, healthy, comfortable and productive homes and businesses



26,000 clean energy systems generating renewable power from the sun, wind, water, geothermal heat and biopower



\$10.6 billion in savings over time on participant utility bills from their energy-efficiency and solar investments



39.3 million tons of carbon dioxide emissions kept out of our air, equal to removing 9.2 million cars from our roads for a year

FIND YOUR
**ENERGY
SOLUTION**

**COMMERCIAL
NEW CONSTRUCTION
AND MAJOR
RENOVATIONS**

+ 1.866.467.0930

**COMMERCIAL
EQUIPMENT
UPGRADES AND
RETROFITS**

+ 1.866.605.1676

EnergyTrust
of Oregon

www.energytrust.org

**INDUSTRY AND
AGRICULTURE**

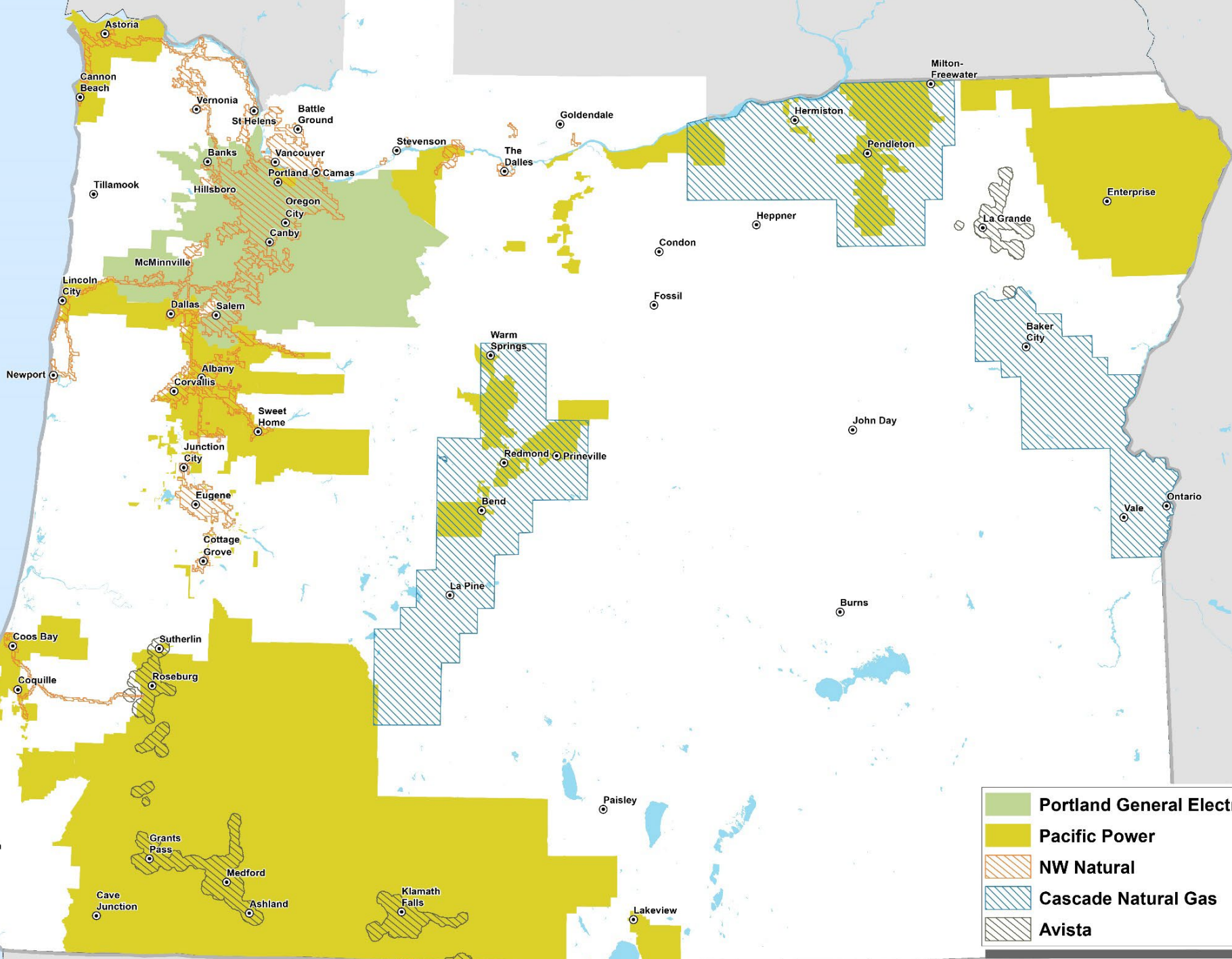
+ 1.866.202.0576

**HOMES, APARTMENTS
AND CONDOS**

+ 1.866.368.7878

RENEWABLES

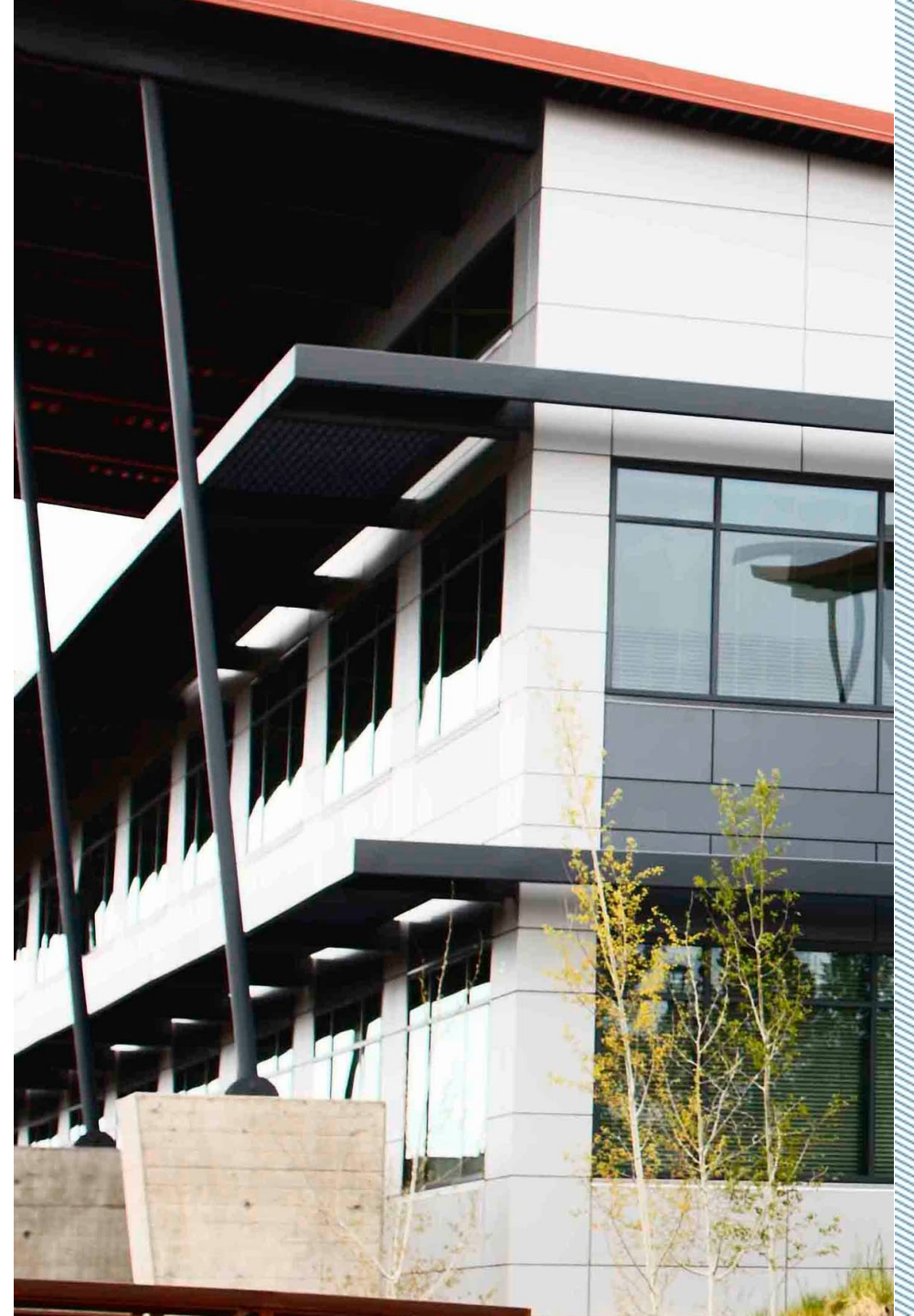
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Incentives for new construction and major renovations

Eligible projects

- New construction
- Major renovation
- Tenant build-out
- Additions or expansions



Program offerings for projects

Whole Building Offers

- Path to Net Zero
- Whole Building
- Market Solutions
- Data Centers

Prescriptive Measures

- Electric Measures
- Gas Measures
- Solar Measures

NEW Grid-Interactive Efficient Buildings (GEB) add-on incentive

Projects qualifying for this incentive are high performance, energy-efficient buildings with a commitment to a low target EUI

- Must be initiated before the Early Design Assistance meeting

\$500 add-on incentive for qualifying projects

Benefits of grid-interactive efficient buildings (GEB):

- Energy savings
- Cost savings
- Building + grid resilience
- Decarbonization benefits

Contact your Outreach Manager for details.



Gilgamesh Brewing The Coast

Restaurant and brewpub located in Lincon City, Oregon

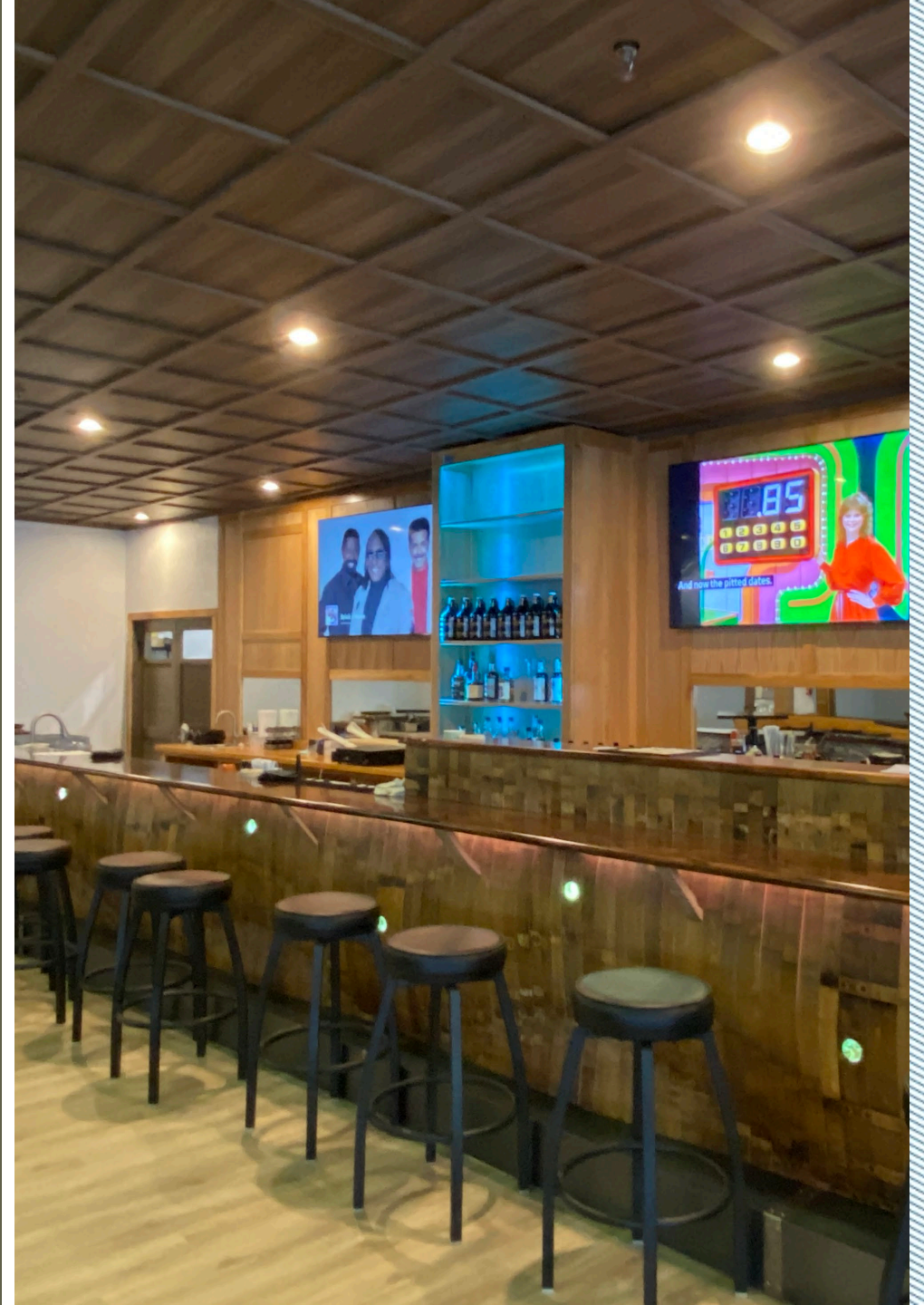
Energy-efficient feature:

- High-efficiency LED lighting

\$1,870 in Energy Trust cash incentives

\$1,000 in estimated annual energy cost savings

12,500 annual kWh savings



City of Salem: Salem Navigation Center

Navigation Center for homeless individuals in Salem, Oregon

Energy-efficient features:

- Data closet mini split
- Commercial kitchen appliances
 - Gas convection oven
 - Hot food holding cabinet
 - Dishwasher
 - Ice maker

Service:

- Early design assistance

\$4,755 in Energy Trust cash incentives

\$1,190 in estimated annual energy cost savings

4,930 annual kWh and 675 therm savings



Confederated Tribes of Grand Ronde Language Education Building

Classroom building for Chinuk Wawa immersion program

Energy-efficient feature:

- High-efficiency interior LED lighting

Service:

- Early design assistance

\$4,030 in Energy Trust cash incentives

\$610 in estimated annual energy cost savings

7,640 annual kWh savings



Bob Everest Fire Station #1400

North Lincoln Fire & Rescue

Seismic upgrade, renovation & addition to existing fire station

- High-efficiency HVAC
- Passive cooling & envelope
- Interior LED lights
- Solar electric panels (not included in the numbers below)

- \$7,650 in Energy Trust incentives
- \$2,300 in estimated annual energy cost savings
- 14,250 annual kWh savings
- 1,520 annual therms saved



Clatsop County Jail

Major renovation of existing building in Warrenton, Oregon

- Energy efficient features:
 - Interior LED lighting
 - Data closet mini-split
- Services:
 - Early Design Assistance + solar add-on
- \$20,600 in Energy Trust cash incentives
- \$6,900 in estimated annual energy cost savings
- 88,400 annual kWh savings



Alberta Alive - Ronnie Herndon and Paul Knauls Buildings

Affordable Multifamily Housing in Portland, Oregon

- Buildings' features:
 - Central heat pump water heater
 - Solar-ready design
 - High-performance envelope
 - Heat recovery ventilator (HRV)
 - LED lighting with optimized controls
 - ENERGY STAR® appliances
- \$23,000 in Energy Trust cash incentives
- \$16,290 in estimated annual energy cost savings
- 203,670 annual estimated kWh savings



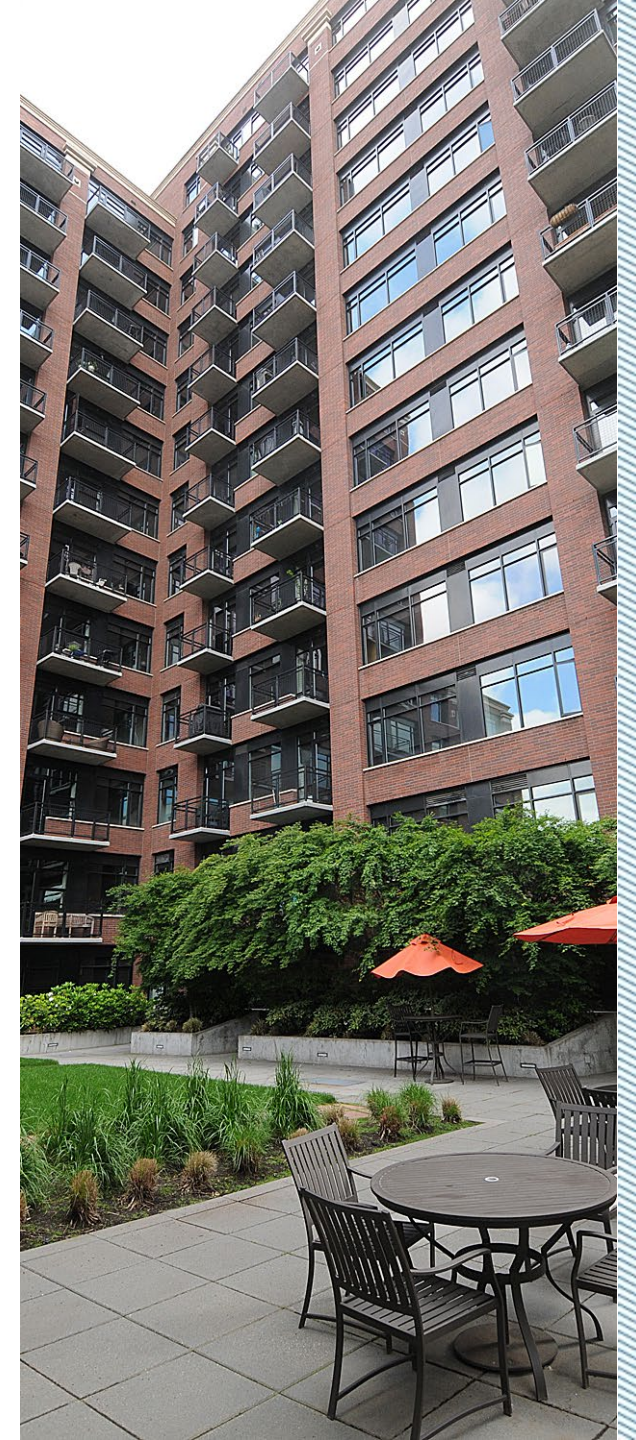
Training and Education

Types

- Building Energy Simulation Forums
- Allies for Efficiency “case studies”
- Special Trainings
- Net Zero Fellowship Research

Methods

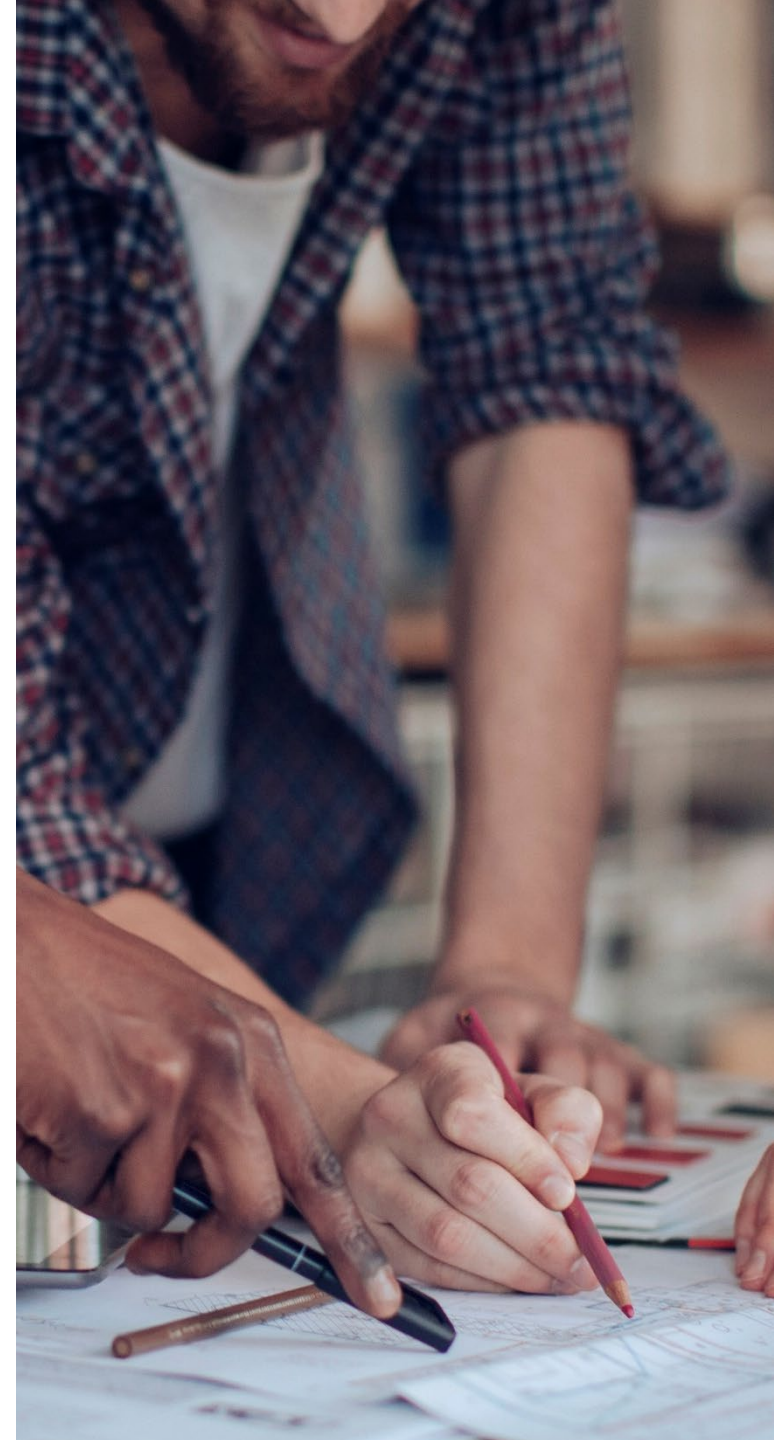
- Webinars
- In-person
- On-demand



Net Zero Fellowship

- Supports new research to address net-zero commercial building barriers and grow the community of design and construction practitioners
- Oregon and Washington eligibility
- Up to \$60,000 over approximately 12 months
- 1-2 fellows selected each year
- Published results promoted regionally and through on-demand trainings

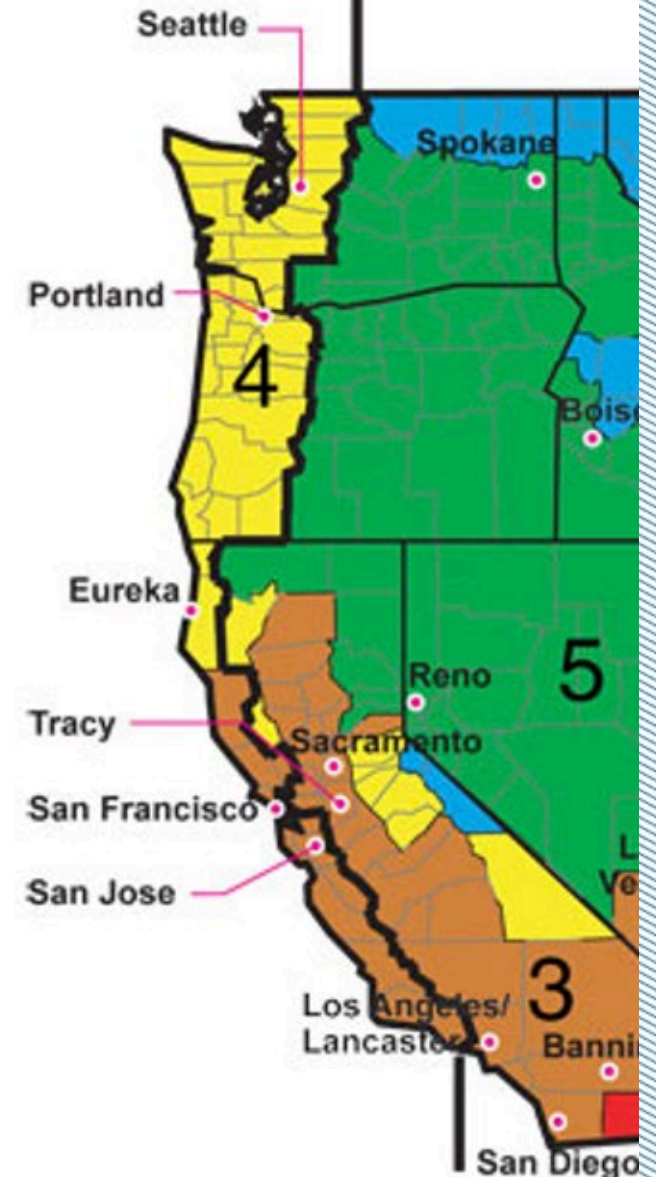
www.energytrust.org/net-zero-fellowship



Passively Building for Resiliency

FELLOW: JOEL GOOD

- Studies passive design strategies that create resiliency and prepare new buildings for a changing climate.
- Examines Oregon's future climate conditions and offers a standardized method to assess resilience of proposed developments in both state climate zones.
- Provides future climate weather files (Portland and Bend) for use with modeling tools.
- Findings:
 - Portland and Bend climate zones will shift with general warming trends.
 - These shifts demand different design strategies including cooling-dominated designs, which will require both energy efficiency with passive strategies and onsite renewable power for resilient, low-energy use buildings.
 - Passive designs are more thermally resilient in simulated power outages during extreme temperatures.





Thank you

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Build attractive projects

Assistance: Identify energy saving opportunities

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graph TD; A[Assistance: Identify energy saving opportunities] --> B[Cash incentives: Help make it affordable]; B --> C[Expert help: Referrals to qualified technical contractors];
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Cash incentives: Help make it affordable

Expert help: Referrals to qualified technical contractors

Eligible energy-saving improvements

Foodservice

HVAC and water heating

Lodging

Insulation

Grocery

**Emergency generator
block heaters**

**Service shops
and warehouses**

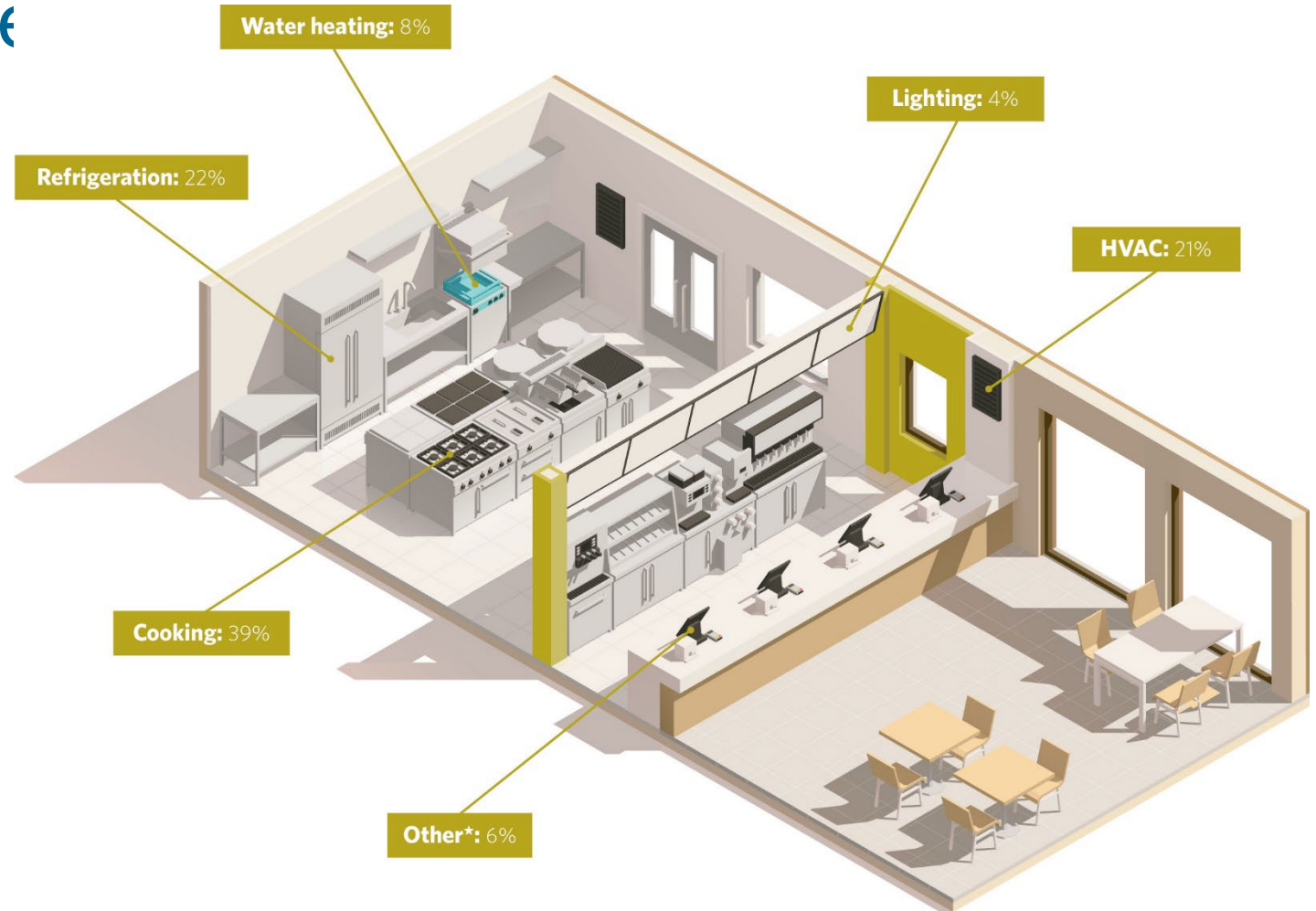
Computer/Server Room Cooling

Lighting

Custom controls

Restaurant Energy Use

Cooking up delicious food and providing a comfortable space for your customers can use a significant amount of energy. Knowing where your restaurant uses the most energy can help you identify opportunities to save.



TOP WAYS TO SAVE



Dishwashers



Ovens



Refrigeration

**Includes energy use from office equipment, computing and all other end-use consumption categories.*

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Commercial Buildings Energy Consumption Survey



Foodservice and restaurants

- High use of energy per square foot
- 80% of energy is wasted
- Energy Trust can provide:
- Specialized outreach professionals
- Standard and custom cash incentives for energy-efficiency measures

Foodservice and restaurants

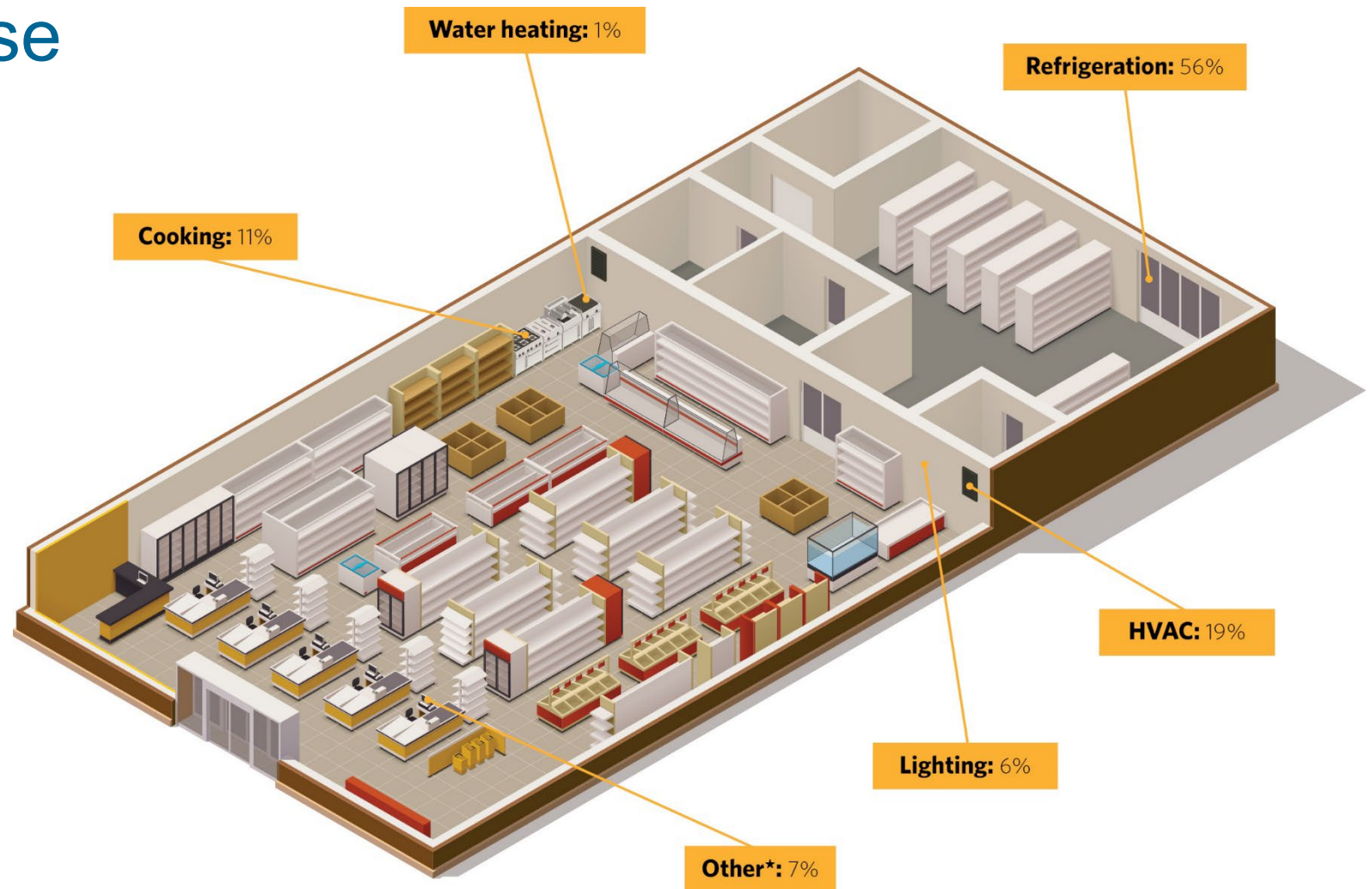
Qualifying equipment:

- Vent Hoods
- Ovens
- Steam Cookers
- Conveyor Broilers
- Ice Makers
- Dishwashers
- Hot food cabinets



Grocery Energy Use

Late-night ice cream, a quick snack, or last-minute picnic supplies – you have your customers covered no matter what they need. Keeping your store stocked to meet your customers' needs can be energy-intensive. Understanding what equipment uses the most energy can help you work to lower your costs while improving the performance of your equipment.



TOP WAYS TO SAVE



Refrigerated doors



Cooler cases



Antisweat heater controls

**Includes energy use from office equipment, computing and all other end-use consumption categories.*

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Commercial Buildings Energy Consumption Survey



Grocery

- Refrigeration energy costs can account for 60% of total electricity consumption

Energy Trust helps with solutions that:

- Reduce annual refrigeration energy costs up to 30%
- Extend product shelf life
- Extend equipment life
- Improve temperature control

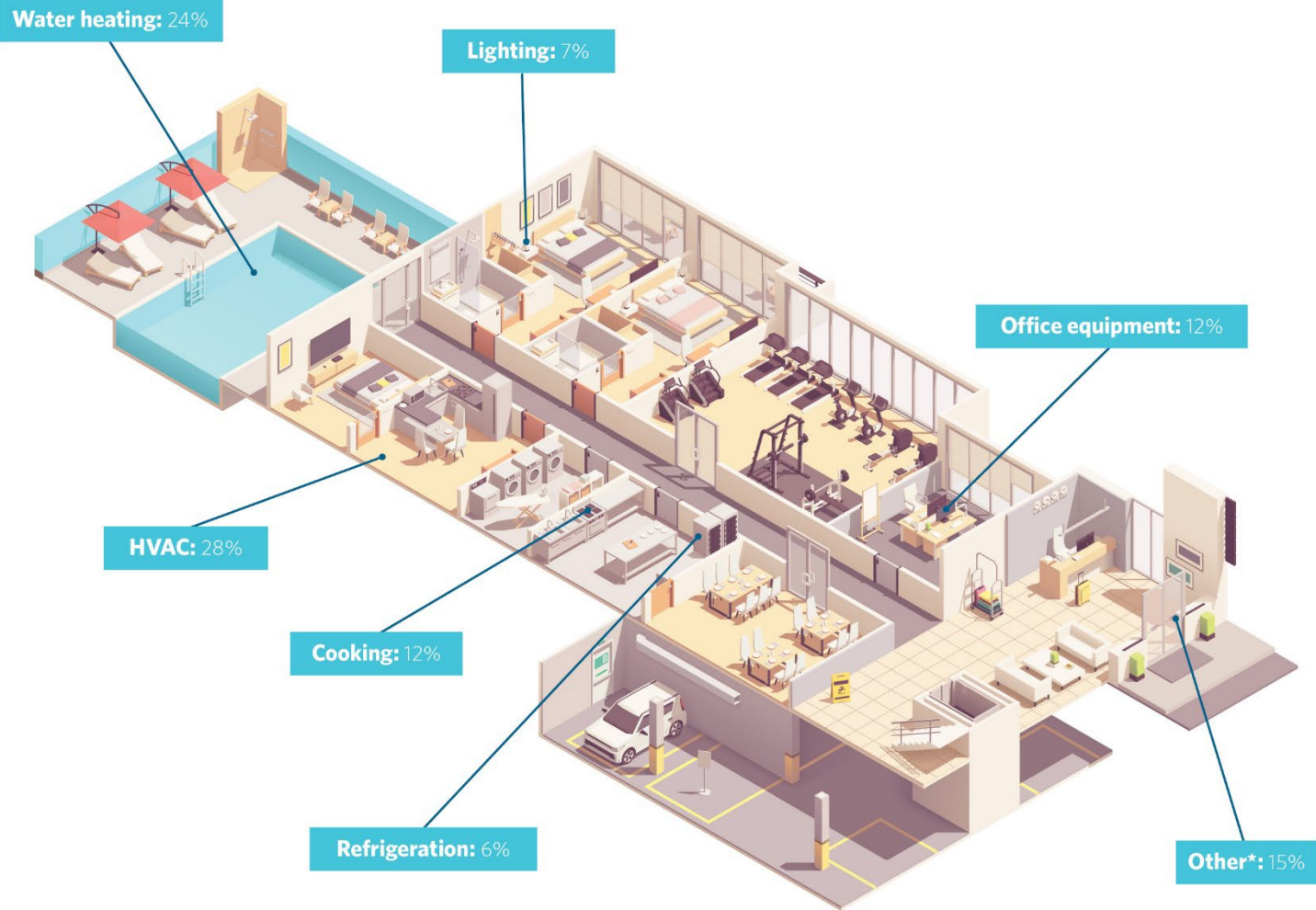
Grocery

- Evaporator fan controls and electronically commutated motor (ECM)
- Add doors to open refrigerated cases
- Cooler cases
- Anti-sweat controls
- Floating head pressure controls
- Strip Curtains
- Smart thermostats



Hospitality/ Lodging Energy Use

Keeping your guests comfortable all year long is a labor- and energy-intensive endeavor. See where your building uses the most energy and find ways to increase guest comfort while cutting down your energy use.



TOP WAYS TO SAVE



HVAC



Pool pumps and heaters



Dishwashers

*Includes energy use from computing and all other end-use consumption categories.

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Commercial Buildings Energy Consumption Survey



Hospitality

Sources of energy waste:

- Lighting can account for nearly 35% of electric use in commercial buildings
- Aging boilers and water heaters require maintenance, and can be costly to use
- HVAC systems that are inefficient

Hospitality

Energy Trust can provide:

- Incentives to help reduce upfront costs and make energy-efficiency improvements more affordable
- Improvements that can pay for themselves through energy savings in only a few years





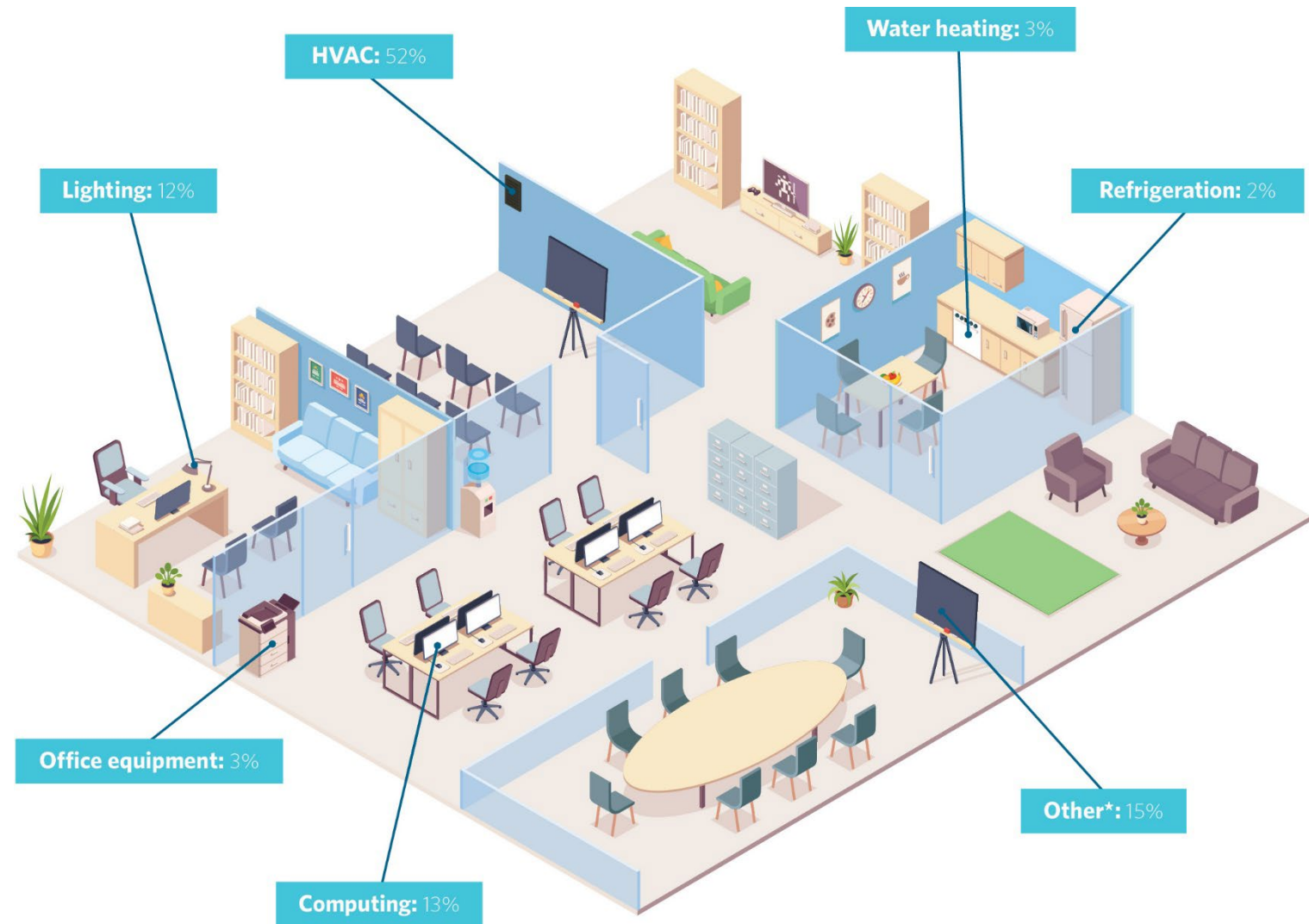
Hospitality

Equipment upgrades for:

- Commercial laundry
- Package terminal heat pumps
- Water heating and HVAC
- Insulation
- Foodservice equipment
- Pool covers and heaters
- Ice makers

Office Energy Use

Keeping employees comfortable, safe and productive is your top priority. Make it a win for you and your employees by keeping energy costs down while improving the environment for the workers in your space.



TOP WAYS TO SAVE



HVAC Controls



Insulation



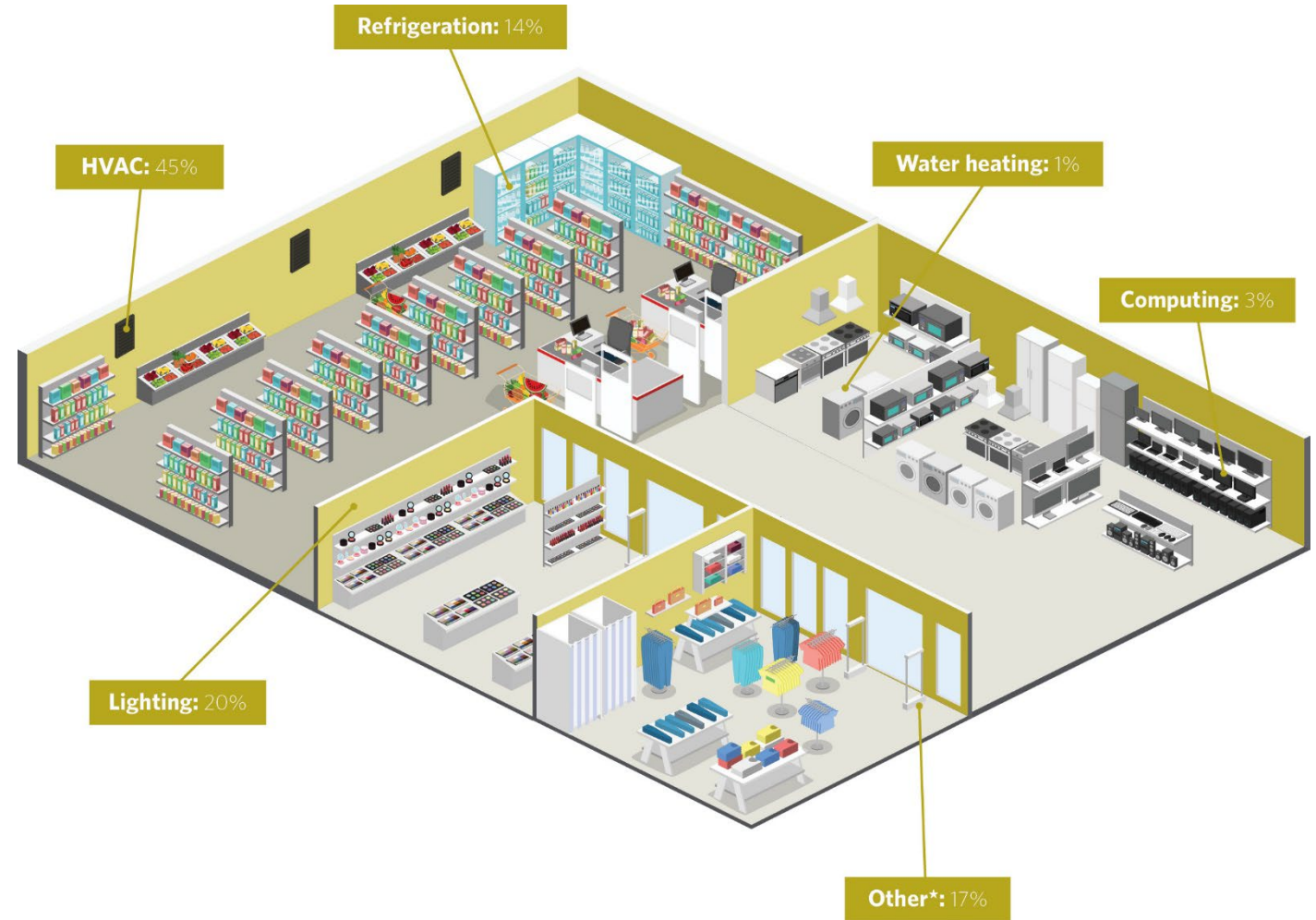
Lighting

**Includes energy use from cooking equipment and all other end-use consumption categories.*

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Commercial Buildings Energy Consumption Survey

Retail Energy Use

Beautiful product displays and an inviting environment are keys to retail success. Understanding where you use the most energy can help you make improvements that will not only revamp your retail space but also reduce energy costs.



TOP WAYS TO SAVE



HVAC Controls



Insulation



Lighting

**Includes energy use from cooking equipment, office equipment and all other end-use consumption categories.*

Source: U.S. Energy Information Administration, Office of Energy Consumption and Efficiency Statistics, Commercial Buildings Energy Consumption Survey

Lighting

- Closed Trade Ally Network
 - Lighting
 - Lighting Controls
 - TLEDs for municipal entities
- Instant Discount Midstream Offering
 - Many participating distributors
 - Self-installation is possible
 - Great for smaller projects



Getting started

Ask Energy Trust for a free site evaluation



First steps to saving energy and money



Think about solar



Get help from an expert with an Energy Trust
Trade Ally



Don't own your space?
Energy Trust can still help you save

Standard incentive process:

- Steps to savings:
 - Find a contractor
 - Pre-qualify your lighting
 - Install
 - Submit application
 - Get your incentive





Custom incentive process:

Steps to savings:

- Analyze
- Review
- Offer
- Commit
- Install
- Get Your Incentive

Oregon custom incentives

Gas:

\$5.00/therm

Capped at 90%

Electric:

\$0.45/kWh

Capped at 90%

Gas and Electric:

\$5.00/therm

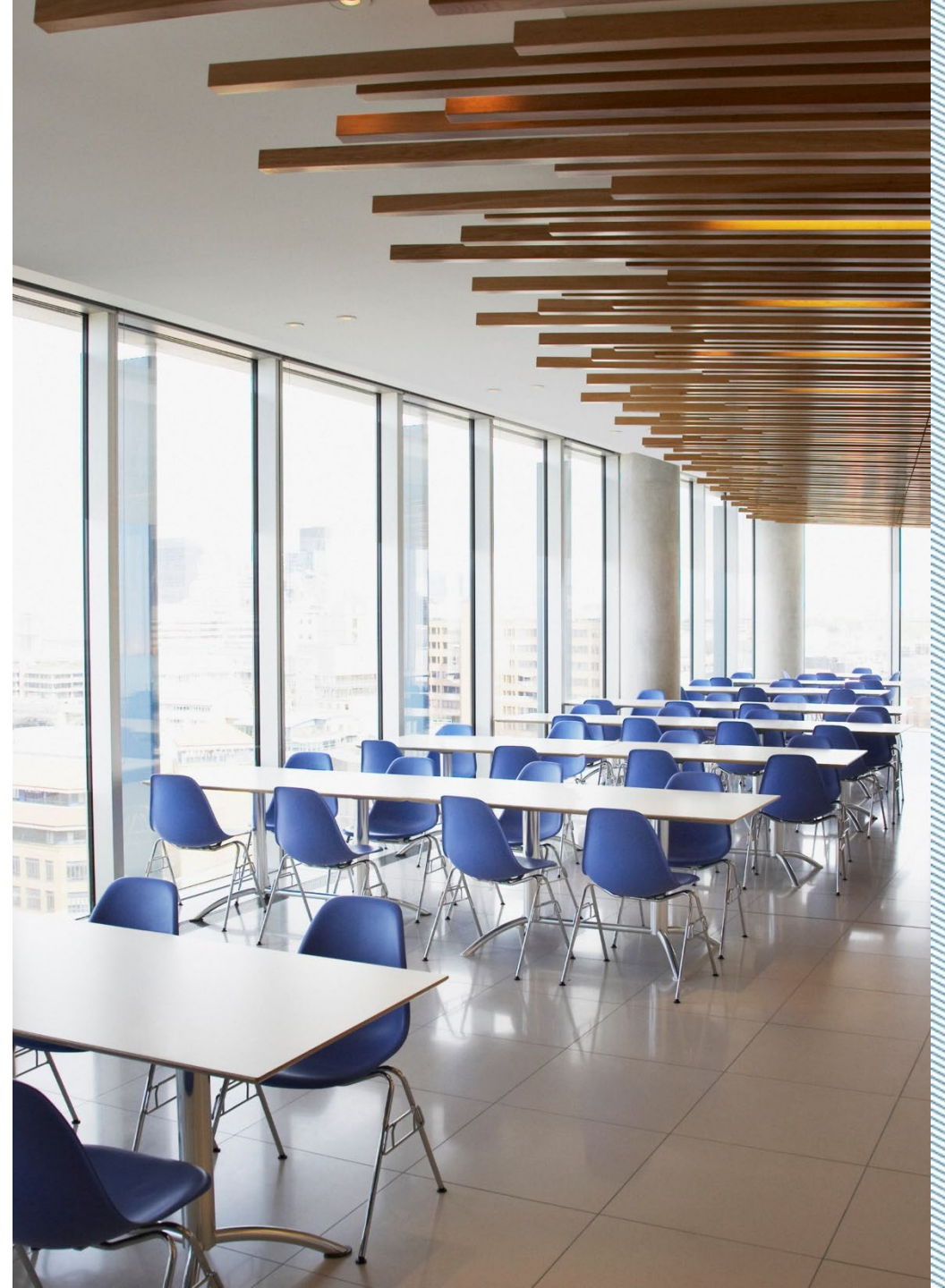
\$0.45/kWh

Capped at 90%



Custom

- Energy projects that use non-standard equipment
- Virtually any energy-efficient equipment may be eligible for custom incentives
- Requirement: all custom projects must be pre-qualified by Energy Trust prior to equipment purchase



SaltLine Hotel

- Installed custom programmable thermostat controls
- \$6,000 in cash incentives
- Nearly \$4,400 saved annually on utility costs
- 56,000 kWh saved annually



“They [Energy Trust of Oregon] just become your partner. It’s really pretty painless.”
Clarann Register, operations manager, SaltLine Hotel

Newbergundian Bistro

- Installed a new, energy-efficient electric convection oven
- \$500 in Energy Trust cash incentives
- The oven upgrade will save them 970 kWh annually



“We’re just grateful that this program exists, and we hope that additional people can take advantage of it in the future,”
Noelle McKee, owner, Newbergundian Bistro

Cottage Grove Community Center

- Roof insulation project
- 23,700 sq feet of insulation
- \$47,300 in Energy Trust cash incentives
- \$3,900 in estimated annual energy cost savings
- 2,200 therms saved annually



“I would really encourage anybody who can benefit from Energy Trust—whenever you’re doing a project check in and find out if there are some opportunities.”

Faye Stewart, Public Works and Development Director, City of Cottage Grove



Thank you

Kristina Benson, Energy Advisor

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