



How shared community values can inform design

June 17, 2020

About us

Independent
nonprofit

Serving 1.6 million customers of
Portland General Electric,
Pacific Power, NW Natural,
Cascade Natural Gas and Avista

Providing access
to affordable
energy

Generating
homegrown,
renewable power

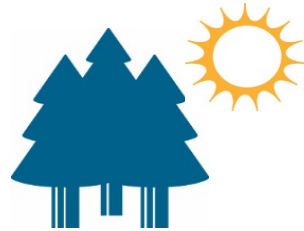
Building a
stronger Oregon
and SW
Washington

Clean and affordable energy since 2002

From Energy Trust's investment of \$1.7 billion in utility customer funds:



Nearly 680,000 sites transformed into energy efficient, healthy, comfortable and productive homes and businesses



13,000 clean energy systems generating renewable power from the sun, wind, water, geothermal heat and biopower



\$7.6 billion in savings over time on participant utility bills from their energy-efficiency and solar investments



22.8 million tons of carbon dioxide emissions kept out of our air, equal to removing 4 million cars from our roads for a year

Upcoming trainings

July Building Energy Simulation Forum (BESF)

July 22, 12:00 pm – 1:15 pm, webinar



Virtual Allies for Efficiency: North Lincoln
Fire & Rescue Bob Everest Fire Station

August 27, 12:00 pm – 1:30 pm, webinar





Commercial Training And Events

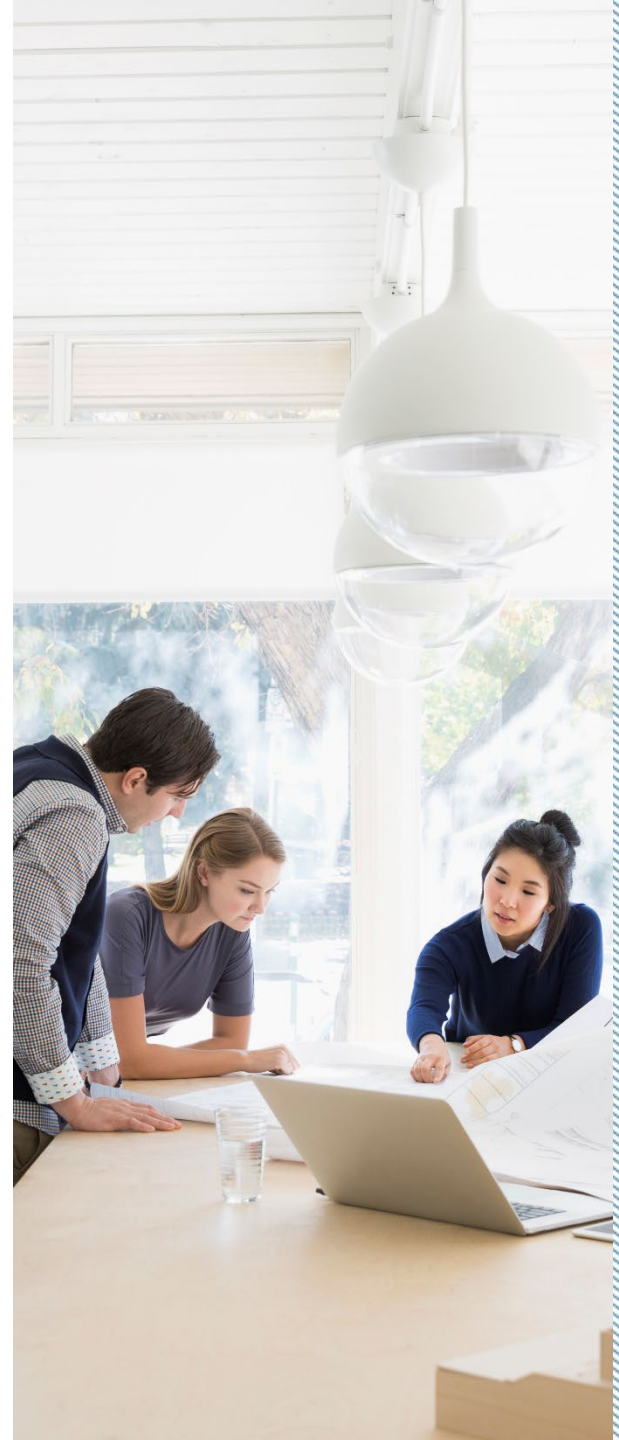
Boost your knowledge with Energy Trust's continuing education opportunities and special training events. Trainings include real-world examples, case studies, and detailed technical information presented by experts from the fields of architecture, engineering, construction and development, as well as specialists in a variety of building types and market sectors. Attendees may be eligible for continuing education units, CEUs.

Find Upcoming Trainings and Events

<http://www.energytrust.org/newbuildingsevents>

Net Zero Grants

- Energy Trust awards grants to support net-zero research and provides internship support to further firms' AIA 2030 Commitment
 - Net Zero Fellowship grant
 - Net Zero Emerging Leaders Internship grant
- More information available on energytrust.org/netzerogrants





Thank you

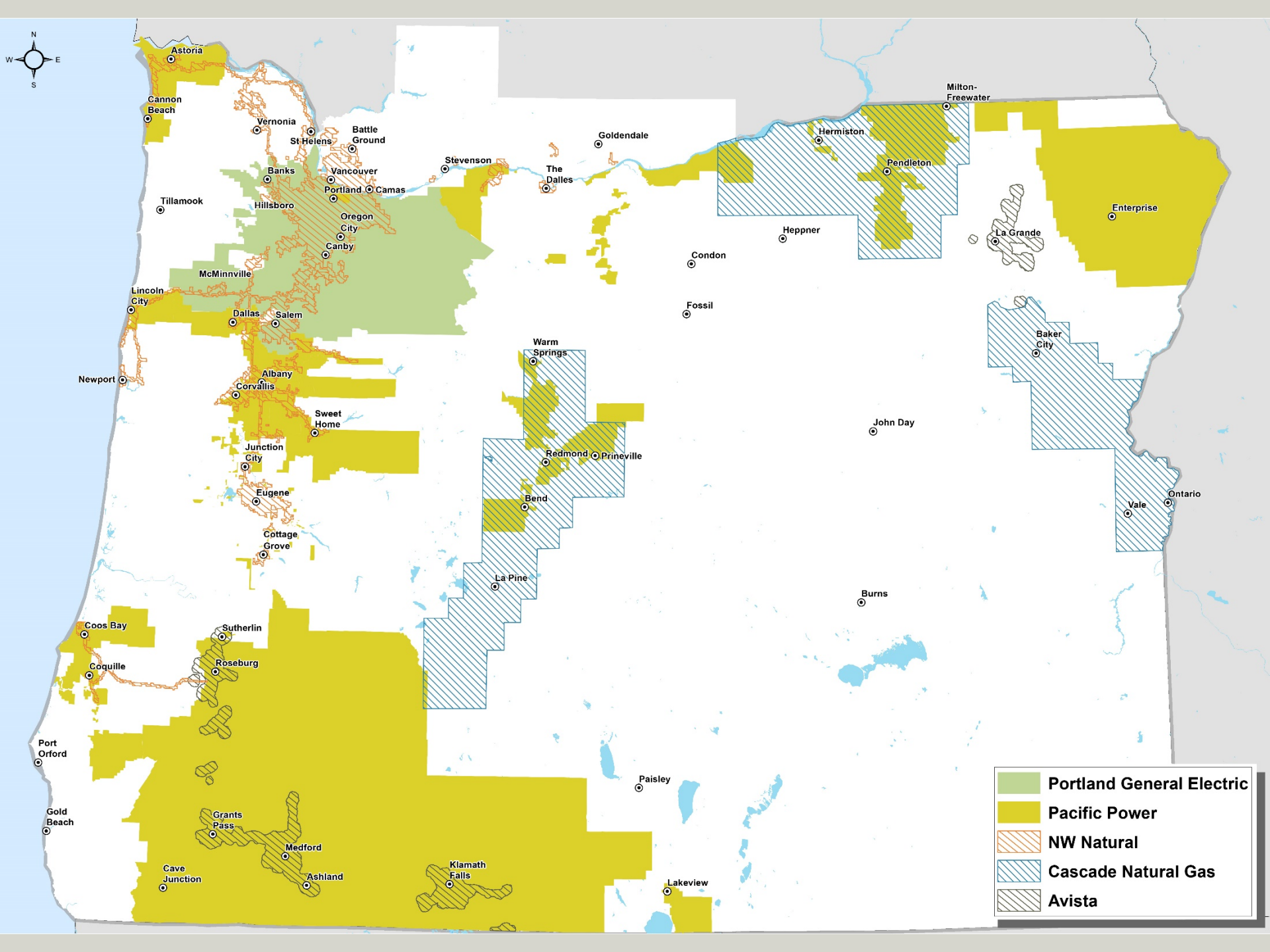
Kriya Kaping

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Incentives for new construction
and major renovations



Assistance for all stages of your project

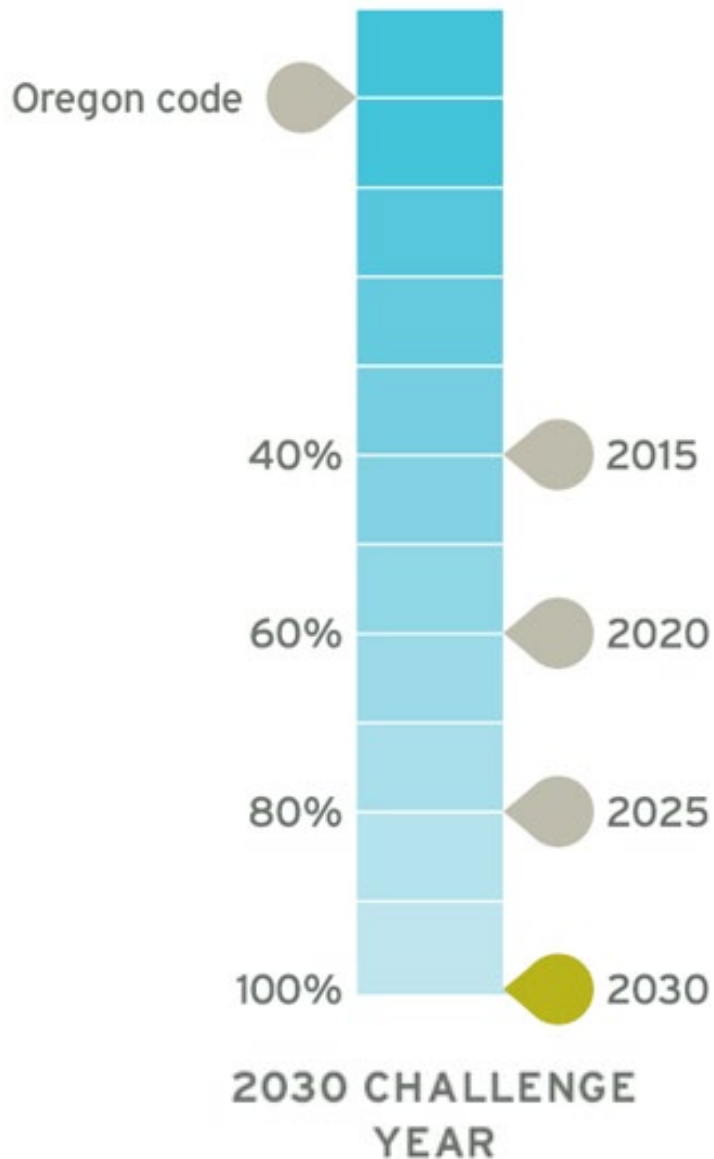




Path to Net Zero

- Increased incentives for early design, technical assistance, installation and post-occupancy
- Technical resources and assistance from start to finish
- Incentives for zero energy certification

PERCENT SAVINGS ABOVE OREGON CODE



Target setting metrics

- Architecture 2030 Challenge
- Oregon Energy Code
- 2003 CBECS
 - 2015 – 70% reduction
 - 2020 – 80% reduction
- On-site renewable energy contributes to project EUI

Support for Net Zero

- [Energytrust.org/netzerogrants](https://energytrust.org/netzerogrants)
- Training events
- Net Zero Fellowships
- Net Zero Internships



Case Study:
Clatsop Community College Patriot Hall



Clatsop Community College

Patriot Hall redevelopment

- Astoria, Oregon
- North Coast major renovation
- Higher education
- 30,000 sq ft
- Construction completion June 2017

Presenters:

- Chris Breitmeyer, President,
Clatsop Community College
- Elin Shepard, outreach manager,
Energy Trust























Clatsop Community College Patriot Hall

- Redevelopment of historic building:
 - Passive strategies
 - Natural ventilation
 - Daylighting
 - Solar thermal radiant heating
 - High-efficiency envelope



Clatsop Community College Patriot Hall (cont.)

- Energy Trust incentives: \$57,400
- Estimated annual savings: 134,060 kWh and 14,640 therms
- Estimated annual utility cost savings: \$21,087

Case Study: Yellowhawk Tribal Health Center

A photograph of the Yellowhawk Tribal Health Center building, a modern structure with large windows and a covered entrance, set against a blue sky with white clouds.

Yellowhawk Tribal Health Center

- Mission, Oregon
- Eastern Oregon New Construction
- Health clinic
- 64,548 sq ft
- Construction completion November 2017

Presenters:

- Scott Rogers, Project Manager, Wenaha Group
- ML Vidas, outreach manager, Energy Trust







YELLOWHAWK TRIBA















Yellowhawk Tribal Health Center

- New health center serving the Confederated Tribes of Umatilla Indian Reservation
- Passive strategies
 - Daylighting
- VRF system
- Upgraded building envelope
- Reduced Lighting Power Density



Yellowhawk Tribal Health Center (cont.)

- Energy Trust incentives: \$296,200
- Estimated annual savings: 646,840 kWh
- Estimated annual utility cost savings: \$48,400



Thank you

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