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

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Incentives for new construction and major renovations
Assistance for all stages of your project

Design  Solar planning  Installation + construction  Completion + post-occupancy
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
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
• 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
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 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
• Energy Trust incentives: $296,200
• Estimated annual savings: 646,840 kWh
• Estimated annual utility cost savings: $48,400
Thank you

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