Energy Trust Info Session and Q&A
July 16, 2020
Zoom Tips

Meeting Topic: My Meeting
Host: Hannah Cruz
Invite Link: https://zoom.us/j/99671727239
Participant ID: 166044

Join Audio
Share Screen
Invite Others

Unmute
Mute Video
Zoom Tips

Meeting Topic: My Meeting
Host: Hannah Cruz
Invite Link: https://zoom.us/j/99671727239
Participant ID: 166044

Join Audio
Computer Audio Connected

Share Screen

Invite Others

Start Video
Zoom Tips

Send chats to the whole group, or to one of the meeting hosts

• Hannah Cruz
• Ryan Cook
Our Agenda

12 – 12:30 p.m. Welcome Message (Reverend E.D. Mondaine, NAACP-Portland)
Energy Trust Overview (Mike Colgrove, Energy Trust)

12:30 – 1 p.m. Nonprofit Perspective (Charity Fain, Community Energy Project)
Energy Trust Resources (Hannah Cruz, Energy Trust)
Nonprofit Perspective (Pat Daniels, Construction Hope)
Energy Trust Resources (Hannah Cruz, Energy Trust)

1 – 1:30 p.m. Small Group Breakouts
• Energy efficiency and solar in residential single-family homes
• Energy efficiency and solar in businesses, multifamily and nonprofits
• General Energy Trust information

Reconvene and Share Out
Final Q&A and Closing
Welcome Message by Reverend E.D. Mondaine
Energy Trust Overview by Mike Colgrove
Our Vision: Clean, affordable energy for everyone
Who We Serve: Utility Customers Of

Portland General Electric (including Portland)

Pacific Power (including Portland)

NW Natural (including Portland)

Cascade Natural Gas

Avista
Examples of Clean Energy Funding Opportunities

Support for organizations

- PGE Strong communities grants
- PGE Renewable Development Fund
- Pacific Power Blue Sky grants
- Nonprofit Association of Oregon’s grant directory

Support for individuals

- NW Natural low-income energy assistance
- Mult. County Department of County Human Services
- Oregon Housing and Community Services

*These are a sampling of additional resources you could consider and not comprehensive of all opportunities for leveraging funds
Energy Trust of Oregon

Programs to Serve

Residential Customers

Commercial Customers

Industrial Customers
Portland Clean Energy Community Benefits Fund: Investment in 4 Key Areas
Nonprofit Perspective by Charity Fain, Community Energy Project
Community Energy Project, Inc., believes that everyone deserves a safe, healthy, and efficient home, regardless of income.
Who We Serve

66% of households have a very low income

61% of participants identify as a Person of Color
Community Workshops
- DIY Weatherization & Attic Insulation
- Lead Poisoning Prevention
- Lead-Safe Home Projects
- Low-income Community Solar Program

Direct In-Home Services
- Weatherization and Energy Upgrades
- Safety and Major Repairs
- Home Solutions Consultations
- Home Energy Score
Weatherization Workshops

Basic Weatherization

DIY Attic Insulation
Direct In-Home Services

Repairs

Weatherization

Energy Upgrades
Home Energy Score

Audit

Workshops
Home Solutions

Free Consultation

Contractors & Financing
Why Energy Efficiency?
To keep global warming to 1.5 degrees Celsius, we need to cut energy use by 50% in every U.S. building in the next ten years.
Portland Housing Snapshot

- 160,000 single family homes in Portland
  - 15,000 Home Energy Scores conducted
  - 40% less energy is used after a deep retrofit
  - Initial comparison indicates higher energy use in Low Income households
- Approximately $2.78 billion to retrofit every home*

*Research by Marti Frank, Bruce Manclark and Ben Hannas
Potential Impact of Upgrades

Reducing energy waste across Portland single-family homes could:

- Power 50,000 Homes
- Save $50M of Excess Utility Bill Cost Annually
- Eliminate 200,000 tons of Carbon Emissions annually
Working with Energy Trust

- Started small: CLEAResult funded DIY Attic Insulation Workshops
- Unclear path for larger programs
Initial Barriers

- Lots of jargon and technology
- Large organization
- Not clear that funding goes via subcontractors
- Incentive offerings were not designed for LI Programs
Expanding Programs

- CEP staff joined Working Groups and Advisory Committees
- Started a Heat Pump Water Heater Program
- Added Nest Smart Thermostat
Advice for PCEF Planning

- Don't stress about knowing the technical details
- Find a contractor who knows
- Use existing incentives for budgeting
- ETO needs you as much as you need them!
Thank You

COMMUNITY ENERGY PROJECT

971.544.8705
can@communityenergyproject.org
2900 SE Stark Street, Suite A
Portland, Oregon 97214
Energy Trust Resource Spotlight

Energy and Demographics Reports
1. Energy efficiency and solar in residential single-family homes

2. Energy efficiency and solar in businesses, multifamily buildings, other commercial settings

3. General Energy Trust information
Energy Trust Energy and Demographics Reports

ENERGY TRUST OF OREGON
CITY REPORT: PORTLAND

Created June 15 2020

Energy Trust of Oregon is an independent non-profit organization serving Oregon customers of Portland General Electric, Pacific Power, NW Natural, Cascade Natural Gas and Aqua (the gray areas on the map above). Energy Trust is funded by and serves the customers of investor-owned utilities; we do not serve customers of consumer-owned utilities.

We provide information, financial incentives and connections to contractors to help people, businesses and communities save energy and generate renewable power.

In Portland, we serve the customers of Portland General Electric, Pacific Power and NW Natural. This report provides demographics, energy and Energy Trust participation data for the location. Unless otherwise noted, Energy Trust participation data are from 2022 through 2014. The end of this report provides more information about all data sources used.

Fuels and Utilities in Portland Served by Energy Trust

Note that if there is a particular fuel type account for less than 5% of total sites, that fuel type is removed.

Electric Utilities: PGE
Pacific Power

Gas Utilities: NW Natural

Demographics

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Portland</th>
<th>Participants</th>
<th>Median Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>1234</td>
<td>55,000</td>
<td>45.7</td>
</tr>
<tr>
<td>Gas</td>
<td>345</td>
<td>20,000</td>
<td>43.2</td>
</tr>
</tbody>
</table>

Unit Occupancy

<table>
<thead>
<tr>
<th>Occupancy Type</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single Family</td>
<td>34,567</td>
<td>45,000</td>
</tr>
<tr>
<td>Multi-Family</td>
<td>8,987</td>
<td>15,000</td>
</tr>
</tbody>
</table>

Heating Fuel Types

<table>
<thead>
<tr>
<th>Fuel Type</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electric</td>
<td>123,456</td>
<td>55,000</td>
</tr>
<tr>
<td>Gas</td>
<td>34,567</td>
<td>20,000</td>
</tr>
</tbody>
</table>

Median Home Value

<table>
<thead>
<tr>
<th>Home Value</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>$320,000</td>
<td>30,000</td>
<td>40,000</td>
</tr>
</tbody>
</table>

Census Tract Residential Buildings by Age and Median Value

<table>
<thead>
<tr>
<th>Age of Housing</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Older than 70</td>
<td>25,000</td>
<td>40,000</td>
</tr>
<tr>
<td>51-70</td>
<td>25,000</td>
<td>40,000</td>
</tr>
</tbody>
</table>

Commercial Participants in Major Markets

<table>
<thead>
<tr>
<th>Market</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market A</td>
<td>5,000</td>
</tr>
<tr>
<td>Market B</td>
<td>3,000</td>
</tr>
<tr>
<td>Market C</td>
<td>2,000</td>
</tr>
</tbody>
</table>

Median Income

<table>
<thead>
<tr>
<th>Income Level</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Under $40,000</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>$40,000-$60,000</td>
<td>15,000</td>
<td></td>
</tr>
<tr>
<td>$60,000+</td>
<td>5,000</td>
<td></td>
</tr>
</tbody>
</table>

Median Home Size

<table>
<thead>
<tr>
<th>Home Size</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,200 sq ft</td>
<td>30,000</td>
<td></td>
</tr>
<tr>
<td>1,500 sq ft</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>1,800 sq ft</td>
<td>20,000</td>
<td></td>
</tr>
</tbody>
</table>

Energy Conservation

<table>
<thead>
<tr>
<th>Conservation</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Saving</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>Energy Saving</td>
<td>20,000</td>
<td></td>
</tr>
</tbody>
</table>

Energy Efficiency

<table>
<thead>
<tr>
<th>Efficiency</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lighting</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>Appliances</td>
<td>20,000</td>
<td></td>
</tr>
</tbody>
</table>

Energy Audits

<table>
<thead>
<tr>
<th>Audits</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>2nd</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>3rd</td>
<td>15,000</td>
<td></td>
</tr>
</tbody>
</table>

Energy Education

<table>
<thead>
<tr>
<th>Education</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Online</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>In-person</td>
<td>20,000</td>
<td></td>
</tr>
</tbody>
</table>

Energy Savings

<table>
<thead>
<tr>
<th>Savings</th>
<th>Portland</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>$1,000</td>
<td>25,000</td>
<td></td>
</tr>
<tr>
<td>$2,000</td>
<td>20,000</td>
<td></td>
</tr>
<tr>
<td>$3,000</td>
<td>15,000</td>
<td></td>
</tr>
</tbody>
</table>
Reports by Portland Neighborhoods
Nonprofit Perspective by Pat Daniels, Constructing Hope
CONVERTING FRACTION OF A FOOT TO A DECIMAL

Examples:

CONVERTING INCHES AND A FRACTION OF AN INCH TO A DECIMAL FOOT

Example:

1. Divide the fraction of the inch by 12.
2. Add the result to the whole inches.

Example:

1. Subtract the fraction of an inch from the whole inches.
2. Add the result to the whole inches.
Energy Trust Resource Spotlight

Support for Nonprofits Applying to PCEF
Examples of how we could be helpful as you prepare your application

- Information on energy efficiency and solar technologies
- Data on past participation in our programs
- Information on our incentives for utility customers, including amounts and project requirements (possible helpful if referencing our incentives as part of your proposal funding approach)
- Budgeting and forecasting support for clean energy projects or delivery approaches
- Referrals to peer organizations or potential partners
- Letters of support
- Possibly co-market a funded project
- Review proposal designs, implementation approaches, evaluation frameworks
A Bit of Fine Print

• You’re a nonprofit or an organization partnered with one
• You’re wanting to support communities of color and low-income Portlanders with your project
• You’re considering applying for the PCEF “Clean Energy” or “Workforce Development” grant categories
Breakout Rooms

Room 1: Efficiency and Solar in Single-Family Homes

Room 2: Efficiency and Solar in Multifamily, Businesses, Nonprofits

Room 3: Energy Trust General
PCEF Program – A Few Reminders

• Application support funds available
  • Up to $5,000 in funding to help small organizations build their capacity and to prepare to submit an application
  • Open to apply now, closes July 31

• Grant solicitation timeline
  • Grant solicitation release: mid to late August
  • Application due date 60 days later
  • Grant awards announcement: December 2020 or early 2021

• All details, dates and updates on their website
  www.portland.gov/bps/cleanenergy
Where To From Here?

Fill out an inquiry form with Energy Trust
Thank You For Joining Us Today

Energy Trust sign up form for nonprofits: www.energytrust.org/PCEFSupport

or Energy Trust email PCEFSupport@energytrust.org

For questions about the PCEF program and grant details, email PCEF staff at CleanEnergyFund@portlandoregon.gov