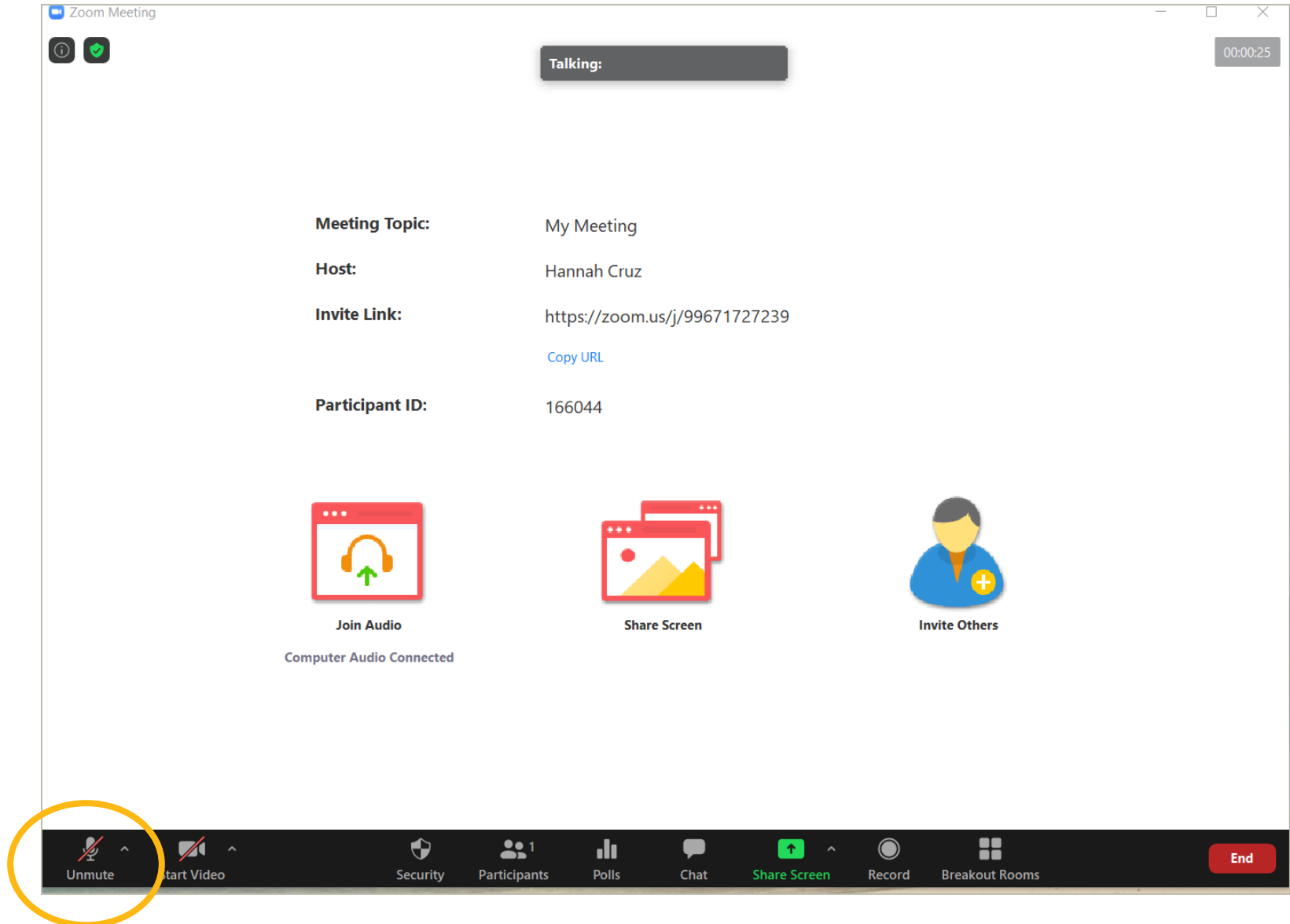




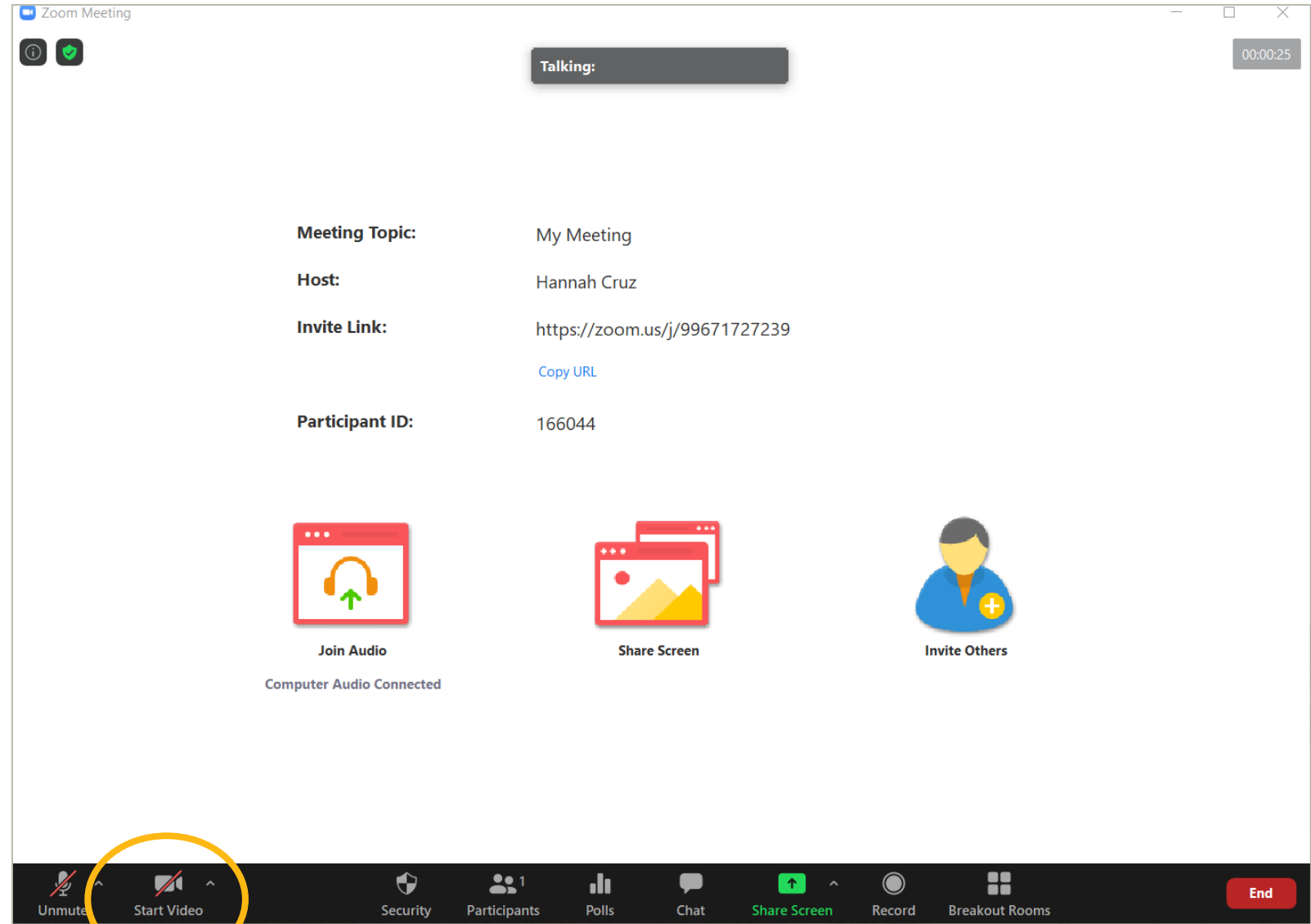
Energy Trust Info Session and Q&A

July 16, 2020

Zoom Tips



Zoom Tips

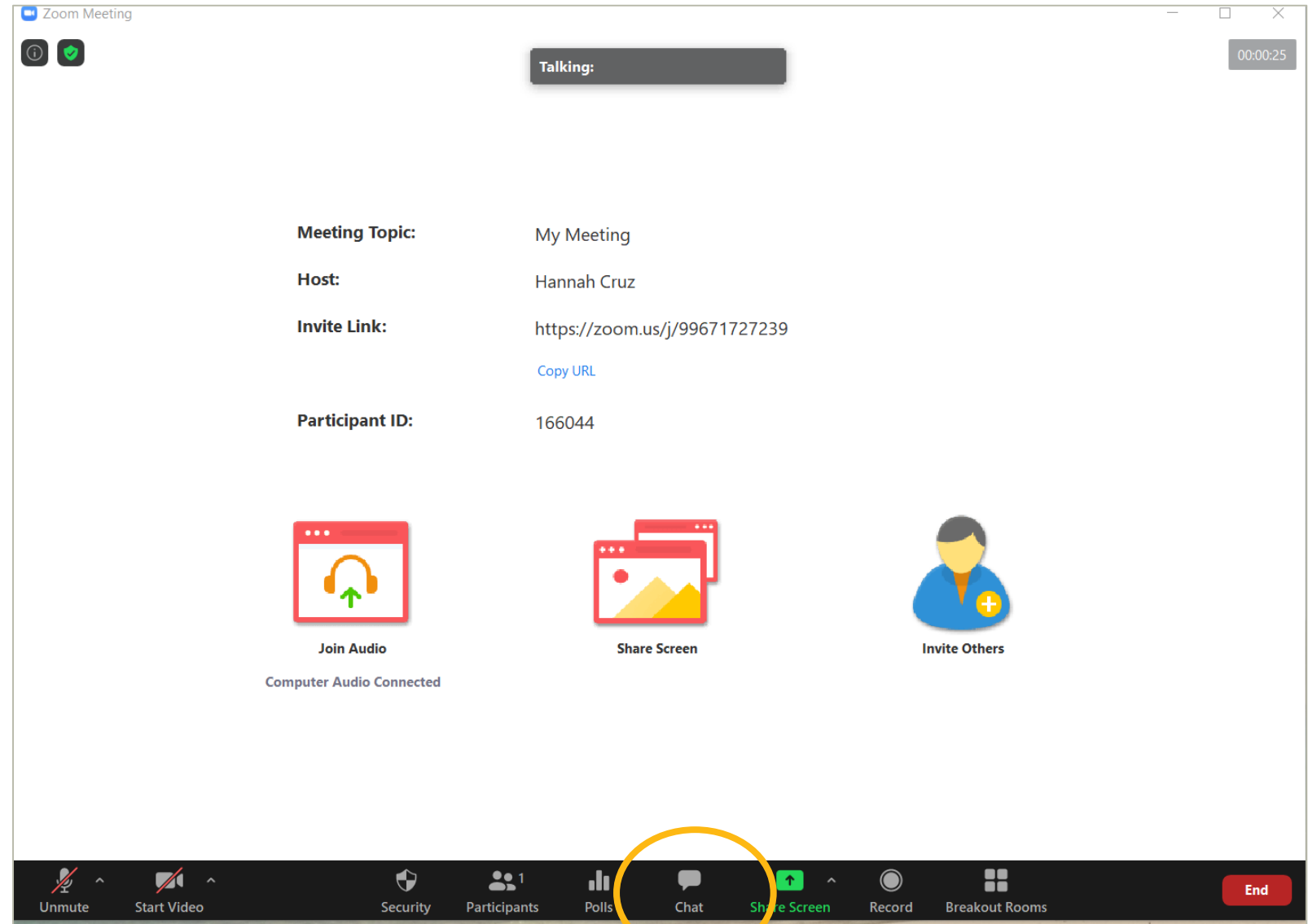


Zoom Tips



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

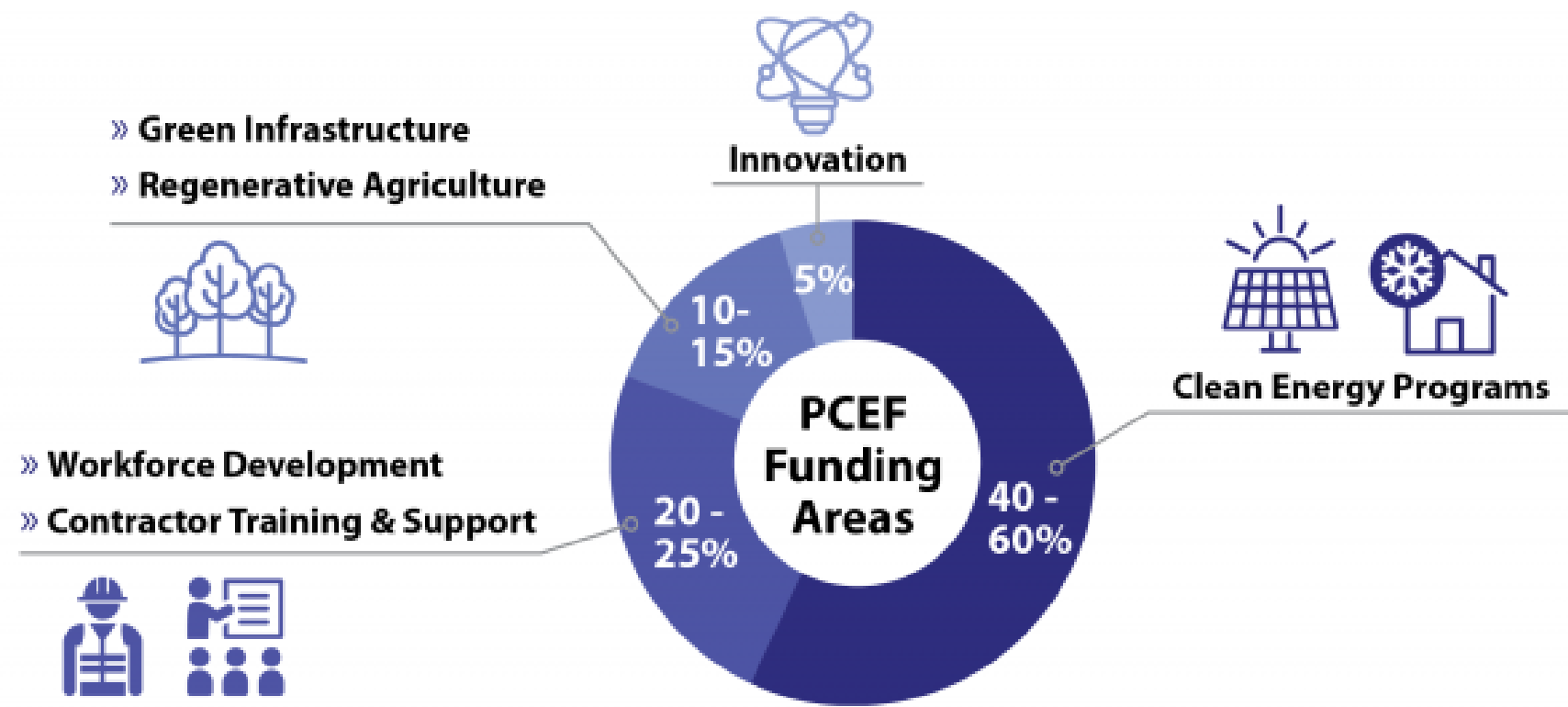


Commercial Customers



Industrial Customers

Portland Clean Energy Community Benefits Fund: Investment in 4 Key Areas



Nonprofit Perspective by Charity Fain, Community Energy Project



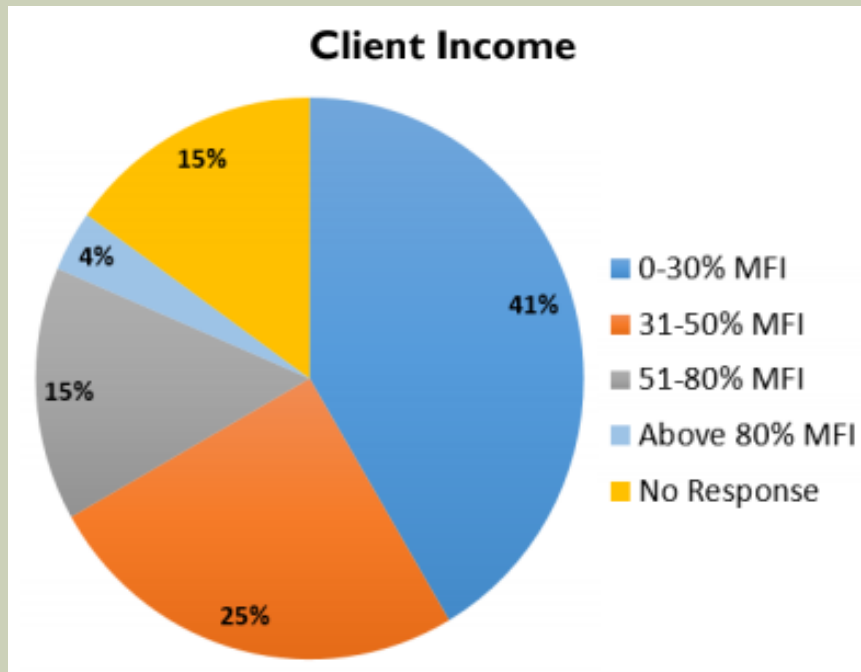
COMMUNITY ENERGY PROJECT



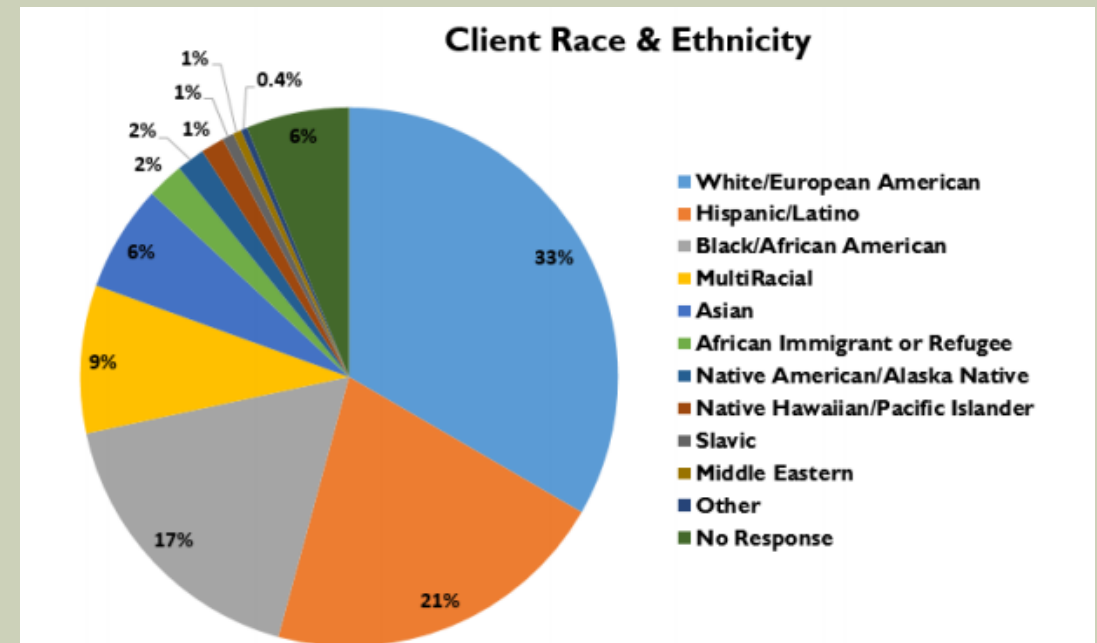
Community Energy
Project, Inc.,
believes that
everyone deserves
a safe, healthy,
and efficient
home, regardless
of income.

Who We Serve

66% of households have a very low income



61% of participants identify as a Person of Color



Organization Overview

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

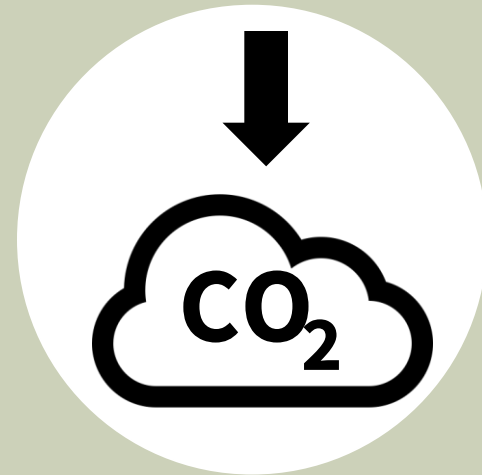
Reducing energy waste across Portland single-family homes could:



**Power 50,000
Homes**



**Save \$50M of Excess
Utility Bill Cost Annually**



**Eliminate 200,000 tons of
Carbon Emissions annually**

CEP and Energy Trust



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



971.544.8705

charity@communityenergyproject.org

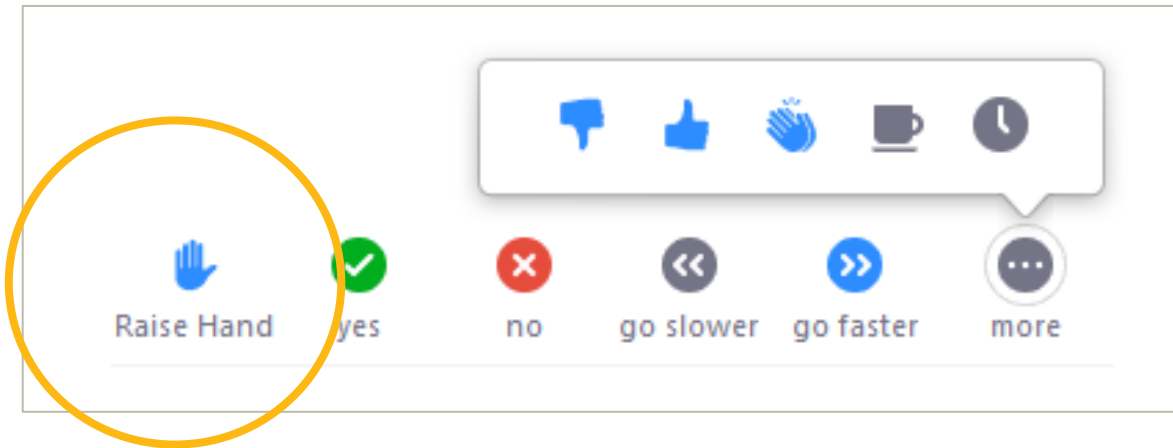
2900 SE Stark Street, Suite A

Portland, Oregon 97214

Energy Trust Resource Spotlight

Energy and Demographics Reports

Room Selection



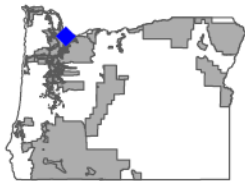
1. Energy efficiency and solar in residential single-family homes
2. Energy efficiency and solar in businesses, multifamily buildings, other commercial settings
3. General Energy Trust information

Energy Trust Energy and Demographics Reports



ENERGY TRUST OF OREGON CITY REPORT: PORTLAND

Created June 15, 2020



Energy Trust of Oregon is an independent nonprofit organization serving Oregon customers of Portland General Electric, Pacific Power, NW Natural, Cascade Natural Gas and Avista (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 demographic, energy and Energy Trust participation data for this location. Unless otherwise noted, Energy Trust participation data are from 2002 through 2019. 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 sites with 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

Variable	Portland	Portland Percent	Oregon	Oregon Percent
Population	719,814	100%	4,081,843	100%
White	558,487	77.6%	3,445,933	84.4%
Black/African American	39,091	5.4%	77,789	1.9%
American Indian or Alaska Native	5,319	0.7%	46,961	1.2%
Asian	57,525	8.0%	174,510	4.3%
Native Hawaiian or Pacific Islander	4,600	0.6%	10,000	0.4%
Other Race	15,887	2.2%	127,084	3.1%
Two or More Races	39,045	5.4%	193,960	4.7%
Hispanic	71,549	9.94%	523,956	12.8%
Households	295,347	100%	1,591,835	100%
Households Linguistically Isolated	11,459	3.88%	41,346	2.60%
Spanish	3,262	1.10%	22,310	1.40%
Other Indo-European	2,105	0.71%	5,072	0.32%
Asian and Pacific Island	4,975	1.68%	11,947	0.75%
Other	1,117	0.38%	2,017	0.13%
Households with Public Assistance	11,210	3.80%	59,351	3.73%
Median Household Income (\$)	73,205	100%	62,193	100%

Note: Hispanic is a separate category from race because it is considered an ethnicity in the Census. Respondents can identify both as any given race and as Hispanic.

Unit Occupancy

Variable	Portland	Oregon
Renter Occupied Units	45.5%	38.1%
Owner Occupied Units	54.5%	61.9%

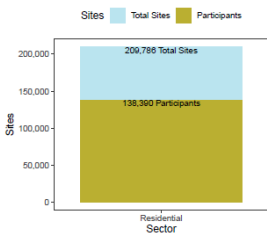
Heating Fuel Types

Variable	Portland	Oregon
Electric Heat	41.8%	50.7%
Natural Gas		
Wood		
Other		

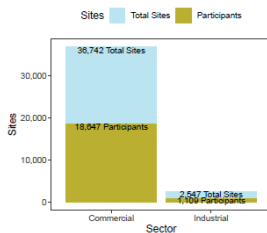
Median Home Value



Residential Participants



Commercial & Industrial Participants

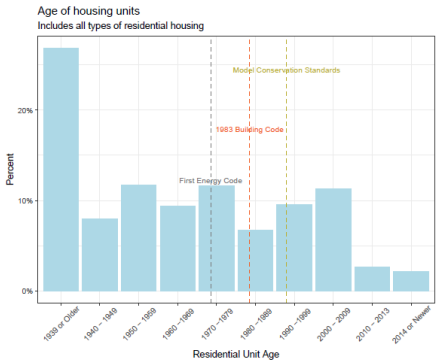


*Industrial sites and participants include agricultural sites and participants

Commercial Participants in Major Markets

Market	Participants	Percent
Multifamily	4,710	25%
Food Service	927	5%
Non-Residential	917	5%
Office	664	4%
Retail	558	3%
Other	10,871	58%

Census Tract Residential Buildings by Age and Median Value



Year Built	Count	Percent
1939 and Older	84,506	28.88%
1940 to 1949	35,080	7.69%
1950 to 1959	36,540	11.75%
1960 to 1969	29,550	6.4%
1970 to 1979	36,656	11.66%
1980 to 1989	21,064	6.71%
1990 to 1999	30,654	8.66%
2000 to 2009	35,411	11.23%
2010 to 2013	8,319	2.64%
2014 and Newer	8,824	2.17%

* Aggregated ACS Data for all tracts overlapping city

storage

The map displays the following neighborhoods and their corresponding climate zones (from coolest to warmest):

- Coolest (Dark Blue):** Parkrose, Argay Terrace, Wilkes, Parkrose Heights, Russell, Hazelwood, Mill Park, Centennial, Pleasant Valley, Powellhurst Gilbert, Lents.
- Light Blue:** St. Johns, Hayden Island, Cathedral Park, Kenton, University Park, Arbor Lodge, Piedmont, Woodlawn, Concordia, Cully, Sumner, Roseway, Madison South, Woodlawn.
- Yellow:** Forest Park, Linnton, Northwest Heights, Northwest District, Pearl District, Lloyd District, Irvington, Grant Park, Rose City Park, Roseway, Madison South, Woodlawn.
- Orange:** Buckman, Sunnyside, Mt. Tabor, North Tabor, Montavilla, South Tabor, Creston, Kenilworth, Foster, Scott, Arleta, Reed, Woodstock, Brentwood, Darlington, Eastmoreland, Sellwood Moreland, Brooklyn, Hosford, Abernethy, Kerns, Laurelhurst, Sullivan's Gulch, Holladay, Irvington, Grant Park, Rose City Park, Roseway, Madison South, Woodlawn.
- Dark Grey:** Southwest Hills, Bridlemile, Hayhurst, Maplewood, Multnomah, Ash Creek, Crestwood, West Portland Park, Far Southwest, Arnold Creek, South Burlingame, South Portland, Hillsdale, Homestead, South Portland, Hillsdale, Homestead, South Portland, Hillsdale, Homestead.

Nonprofit Perspective by Pat Daniels, Constructing Hope



EXAMPLES / CONVERTING FRACTION OF A FOOT TO A DECIMAL
(CONVERTING WHOLE INCHES TO A DECIMAL FOOT)

$9'3'' = 9\frac{3}{12}' = 9.25'$

$2'6'' = 2\frac{6}{12}' = 2.5'$

$10'11'' = 10\frac{11}{12}' = 10.9167'$

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

$73'7\frac{13}{16}''$ EXPRESSED A FRACTION OF A FOOT: $73\frac{7\frac{13}{16}}{12}$

$73'7\frac{13}{16}'' = 73'7''\frac{13}{16}$

$13 \div 16 = 0.8125'' \rightarrow$ DIVIDE THE FRACTION OF THE INCH

$7'' + 0.8125 = 7.8125'' \rightarrow$ ADD IN THE WHOLE INCHES

$7.8125 \div 12 = 0.6510' \rightarrow$ DIVIDE BY 12 (NUMBER OF INCHES IN FOOT)

$73 + 0.6510 = 73.6510' \rightarrow$ ADD WHOLE FEET TO THE DECIMAL

CONVERTING DECIMAL OF AN INCH TO A FRACTION

EXAMPLE $9.1875''$

- $9.1875 - 9' = 0.1875 \rightarrow 9$
- $0.1875 \times 16 = 3 \rightarrow \frac{3}{16}$
- $9 + \frac{3}{16} = 9\frac{3}{16}''$

15.125 = 15' 8"

A = 244.141"

B = 124.2238"

C = 368.3674"

11' 1 1/2"

15' 5/8"

11' 1 1/2"

?

(SQUARE ROOT HYP.)



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

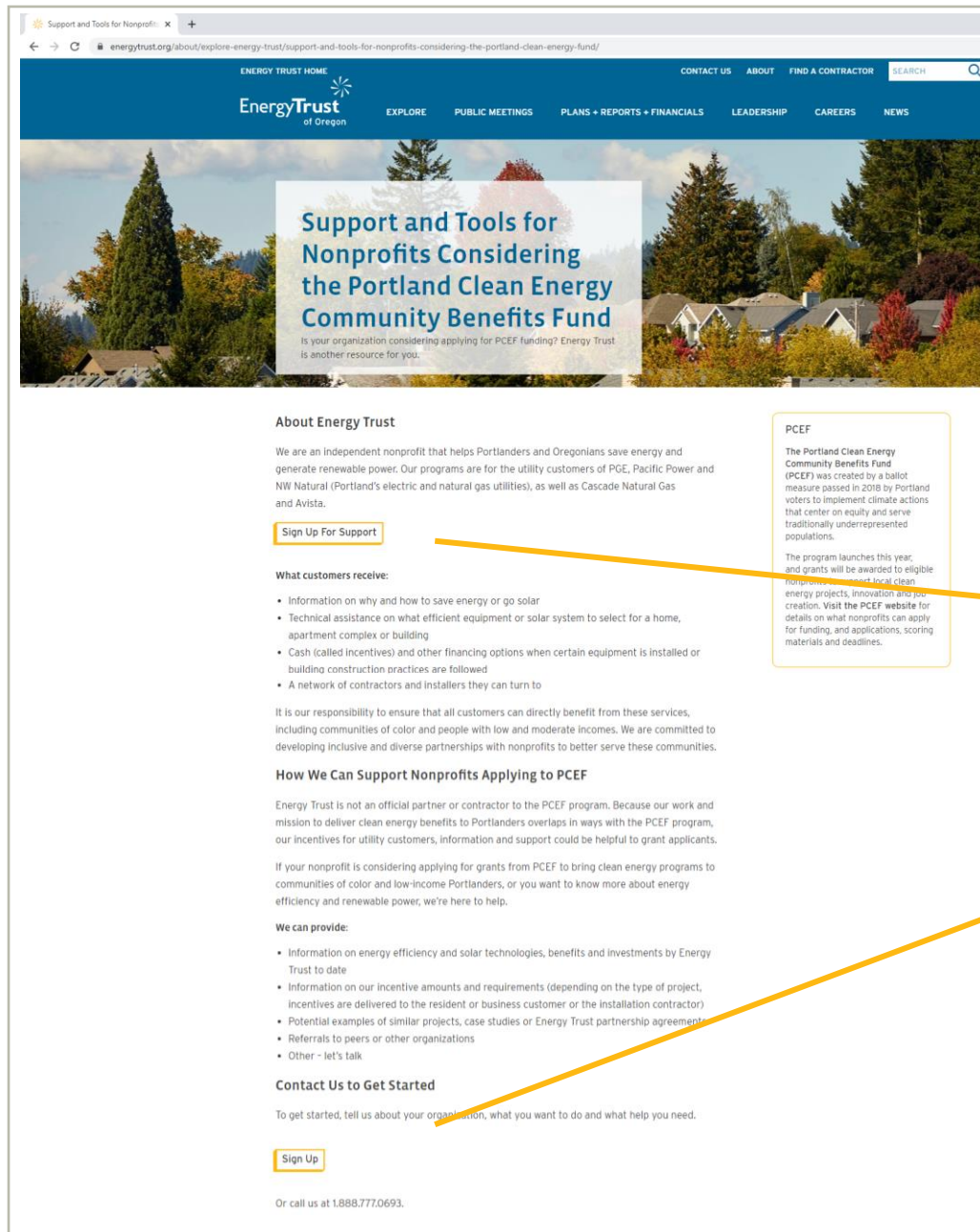
Reflection and Wrap Up with Tyrone Henry

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



Support and Tools for Nonprofits Considering the Portland Clean Energy Community Benefits Fund

Is your organization considering applying for PCEF funding? Energy Trust is another resource for you.

About Energy Trust

We are an independent nonprofit that helps Portlanders and Oregonians save energy and generate renewable power. Our programs are for the utility customers of PGE, Pacific Power and NW Natural (Portland's electric and natural gas utilities), as well as Cascade Natural Gas and Avista.

[Sign Up For Support](#)

What customers receive:

- Information on why and how to save energy or go solar
- Technical assistance on what efficient equipment or solar system to select for a home, apartment complex or building
- Cash (called incentives) and other financing options when certain equipment is installed or building construction practices are followed
- A network of contractors and installers they can turn to

It is our responsibility to ensure that all customers can directly benefit from these services, including communities of color and people with low and moderate incomes. We are committed to developing inclusive and diverse partnerships with nonprofits to better serve these communities.

How We Can Support Nonprofits Applying to PCEF

Energy Trust is not an official partner or contractor to the PCEF program. Because our work and mission to deliver clean energy benefits to Portlanders overlaps in ways with the PCEF program, our incentives for utility customers, information and support could be helpful to grant applicants.

If your nonprofit is considering applying for grants from PCEF to bring clean energy programs to communities of color and low-income Portlanders, or you want to know more about energy efficiency and renewable power, we're here to help.

We can provide:

- Information on energy efficiency and solar technologies, benefits and investments by Energy Trust to date
- Information on our incentive amounts and requirements (depending on the type of project, incentives are delivered to the resident or business customer or the installation contractor)
- Potential examples of similar projects, case studies or Energy Trust partnership agreements
- Referrals to peers or other organizations
- Other - let's talk

Contact Us to Get Started

To get started, tell us about your organization, what you want to do and what help you need.

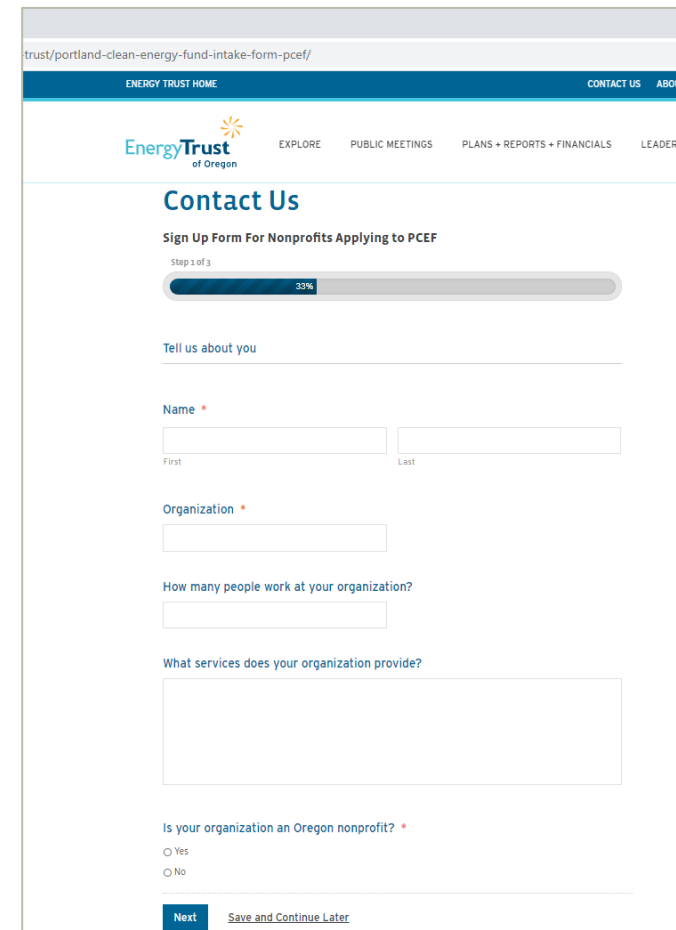
[Sign Up](#)

Or call us at 1.888.777.0693.

PCEF

The Portland Clean Energy Community Benefits Fund (PCEF) was created by a ballot measure passed in 2016 by Portland voters to implement climate actions that center on equity and serve traditionally underrepresented populations.

The program launches this year, and grants will be awarded to eligible nonprofits to fund local clean energy projects, innovation and job creation. Visit the PCEF website for details on what nonprofits can apply for funding, and applications, scoring materials and deadlines.



trust/portland-clean-energy-fund-intake-form-pcef/

ENERGY TRUST HOME CONTACT US ABOUT

EXPLORE PUBLIC MEETINGS PLANS + REPORTS + FINANCIALS LEADERSHIP

Contact Us

Sign Up Form For Nonprofits Applying to PCEF

Step 1 of 3

33%

Tell us about you

Name *

First Last

Organization *

How many people work at your organization?

What services does your organization provide?

Is your organization an Oregon nonprofit? *

☐ Yes

☐ No

[Next](#) [Save and Continue Later](#)



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