


# Pathways to 100

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STATE OF CURRENT ACCESS FOR LOW-INCOME COMMUNITIES



- What does it cost to participate in economy-wide programs?
  - Other barriers to participation
  - What programs exist for low-income communities?
  - Can we imagine new programs?
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# WHAT DOES IT COST TO PARTICIPATE IN ECONOMY-WIDE PROGRAMS?

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## Energy Efficiency

\$1000+\$5000 -(\$250+490) <b>\$5260</b>	Duct Sealing + Energy Efficient Windows
\$3000 -(\$800/\$1000 [SWR]+\$1200) <b>\$1000/\$800</b>	Ductless Heat Pump
\$1200 -(\$150+\$300) <b>\$750</b>	Heat Pump Water Heater (Tier 1)
\$314 (\$-75) <b>\$239</b>	ENERGY STAR Washer

## Renewables (Solar)

\$16000	Total installed cost
-\$2,560 (PGE) - \$3,000 (PAC)	Energy Trust Incentive
\$13,440 (PGE) \$13,000 (PAC)	Contractor Payment
<b>\$3,408 (PGE)</b> <b>\$3,110 (PAC)</b>	Cost to homeowner...after Federal and State Tax Credits

Source: Solar Oregon

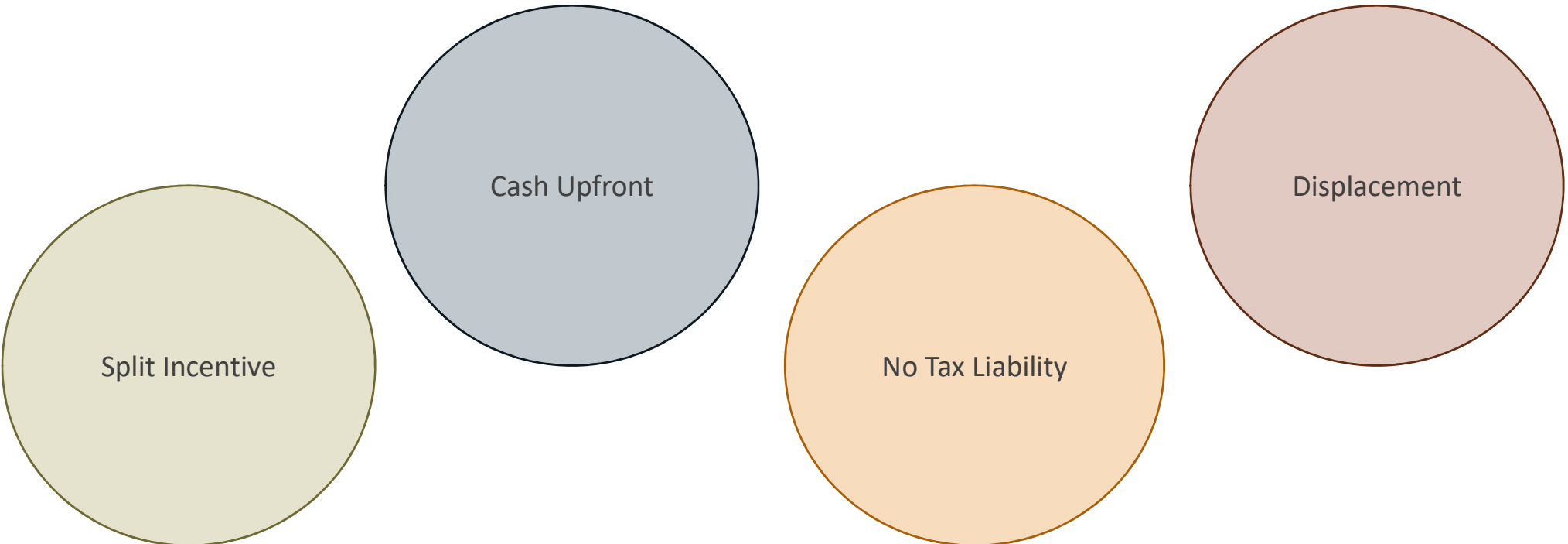
## RETC FILERS BY INCOME (2014)

Income Group of Full-Year Filers	Number of Filers Using Credit	Percent of Total Filers (16,430)	Average Revenue Impact of Credit
Below \$13,300	590	3.6%	\$34
\$13,300 - \$27,600	980	6.0%	\$266
\$27,600 - \$49,300	2,110	12.8%	\$586
\$49,300 - \$87,500	4,470	27.2%	\$812
Above \$87,500	8,280	50.4%	\$958

Source: State of Oregon (2017). *State of Oregon 2017-2019 Tax Expenditure Report*. (179)

# BARRIERS TO PARTICIPATION

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Split Incentive

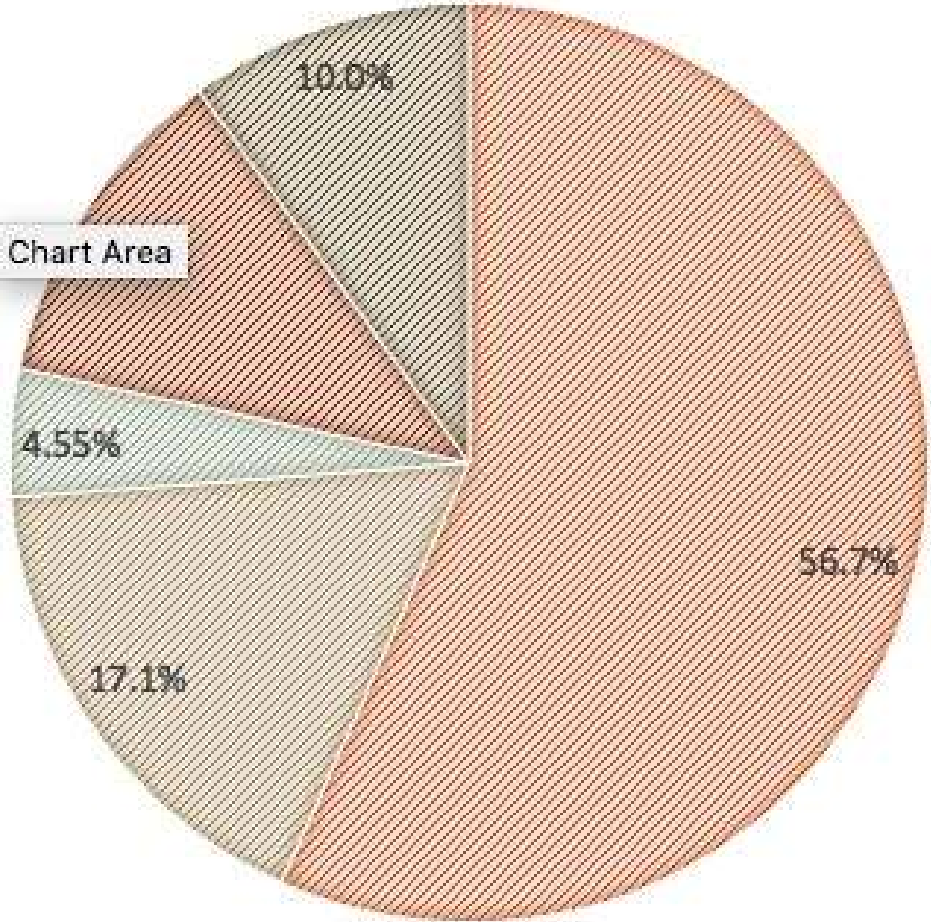
Cash Upfront

No Tax Liability

Displacement



### OREGON PUBLIC PURPOSE CHARGE

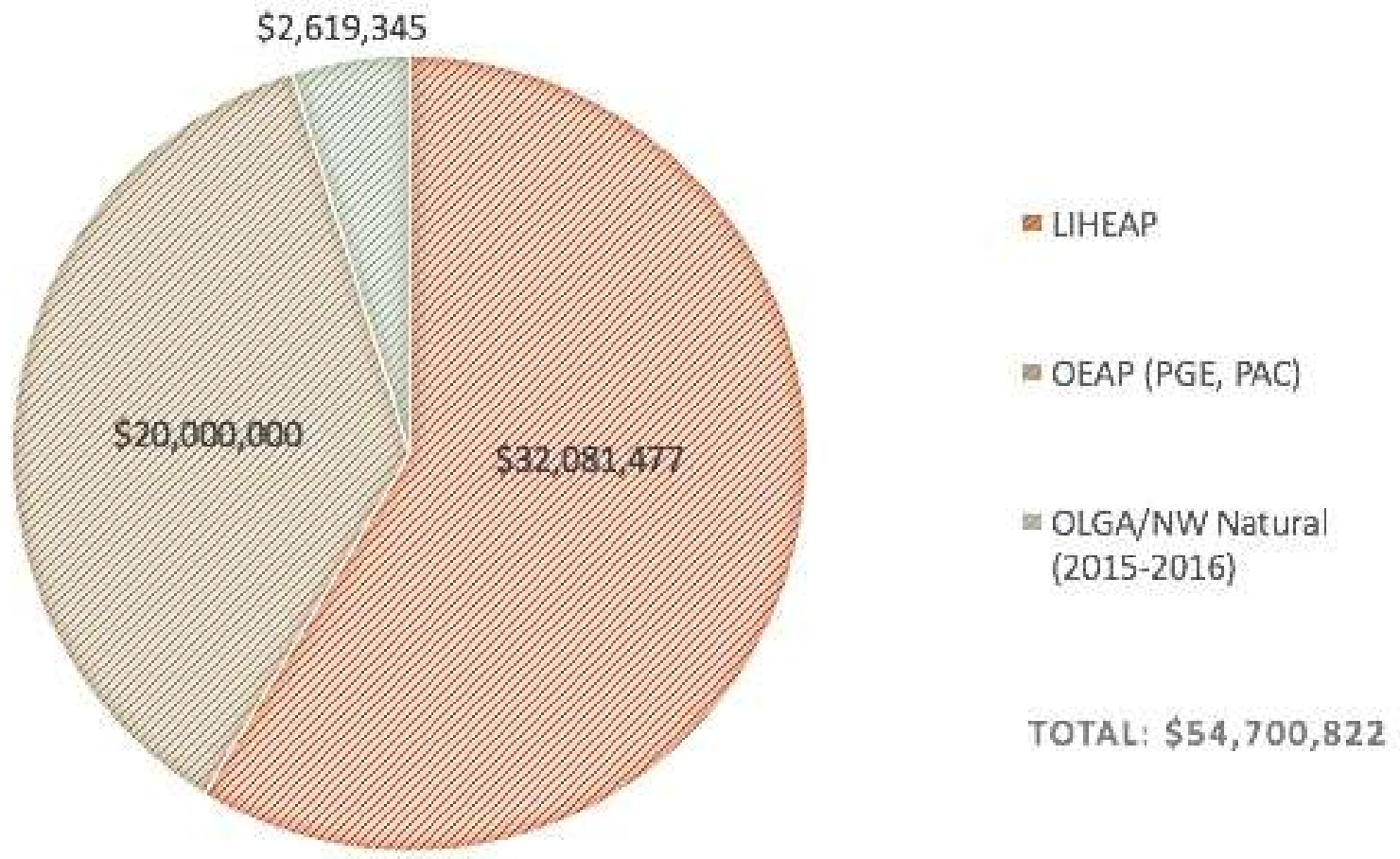


- Energy Trust Conservation Programs
- Energy Trust Renewable Energy Projects
- OHCS Housing Trust Fund
- OHCS Low-Income Weatherization (ECHO)
- School Districts

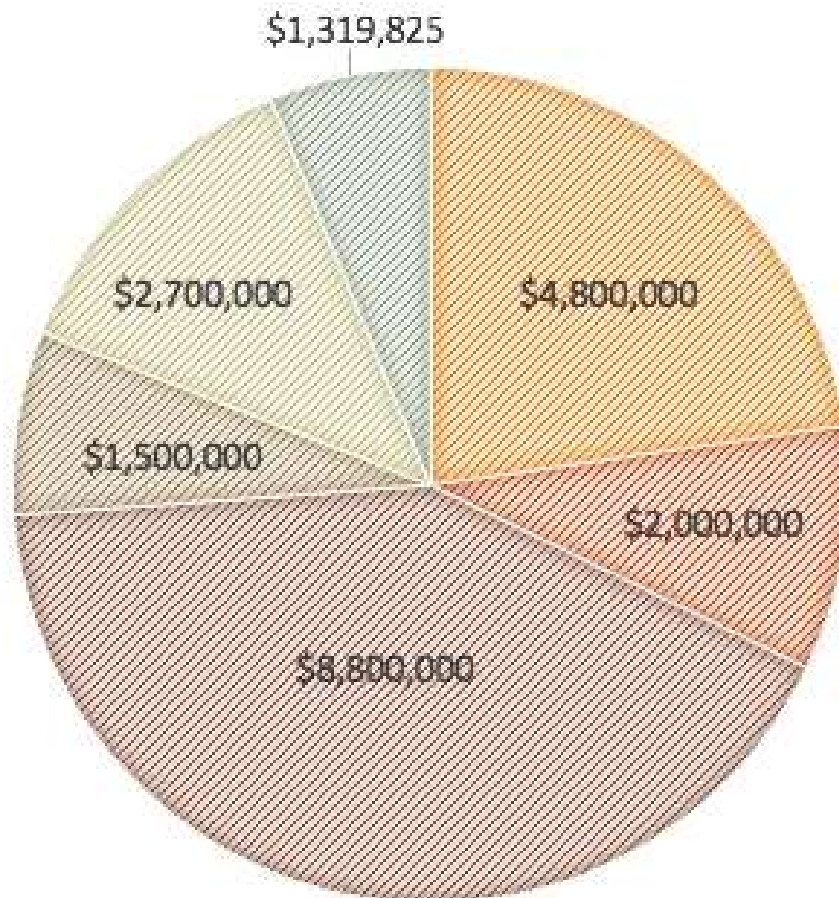
Source: Evergreen Economics (December, 14, 2016). Report to Legislative Assembly on Public Purpose Expenditures

Chart Area

# OREGON ENERGY ASSISTANCE



Source: LIHEAP Clearinghouse, OHCS, NW Natural RG 10 Filing (12/30/2016)



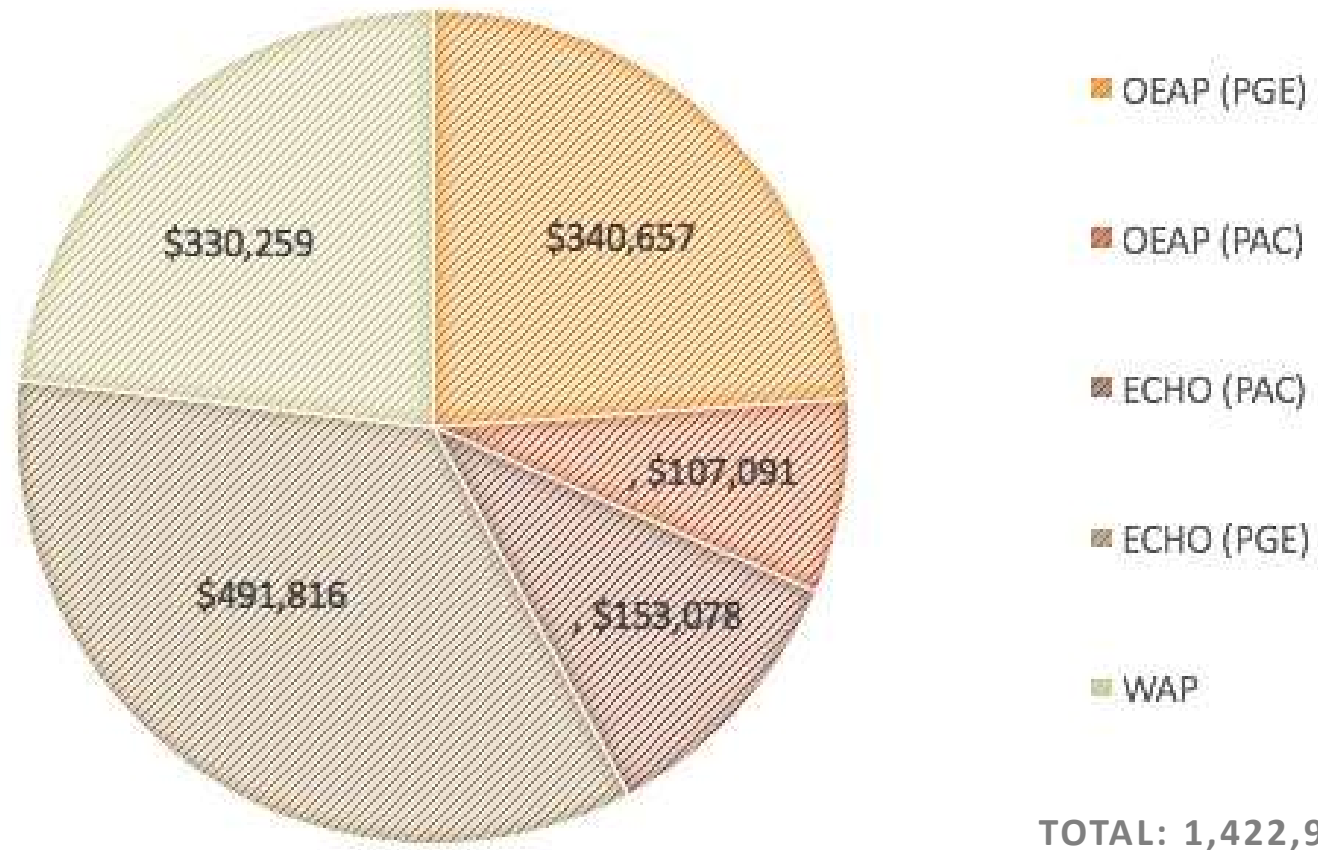
## OREGON WEATHERIZATION

- LIHEAP Weatherization
- BPA Weatherization
- ECHO (OHCS/Public Purpose Charge)
- Multifamily Weatherization (OHCS)
- WAP (DOE)
- OLIEE (NW Natural)

**TOTAL: \$21,119,825**



## MULTNOMAH COUNTY ALLOCATIONS



Source: OHCS, Oregon Weatherization Assistance Plan (DOE)

**MULTNOMAH COUNTY  
WEATHERIZATION  
TOTAL: 365 UNITS**

<b>WAP (DOE)</b>	<b>ECHO (OHCS/Public Purpose)</b>	<b>LIHEAP Wx</b>	<b>BPA Wx</b>	<b>OLIEE (NW Natural)</b>
64 units	110 units	125 units	0 units	66 units

**Source:** OHCS (2017). *Weatherization Annual Data Report: July 1, 2016 – June 30, 2017*

# CHALLENGES FOR PROGRSM

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Filling gaps and  
managing crises

EE/WX  
or Bill Assistance  
(few options for  
renewables)

Underfunded


\$ are federal or  
utility/ratepayer

# WE NEED SOLUTIONS THAT ARE...

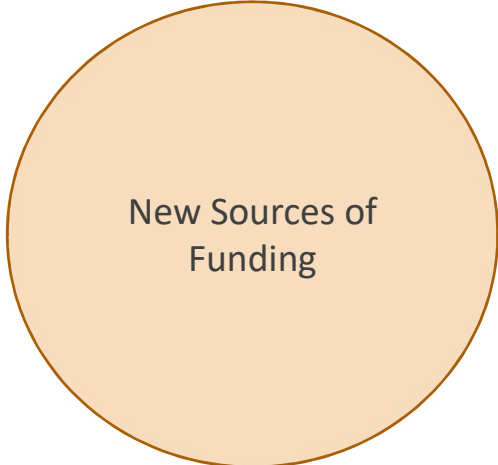
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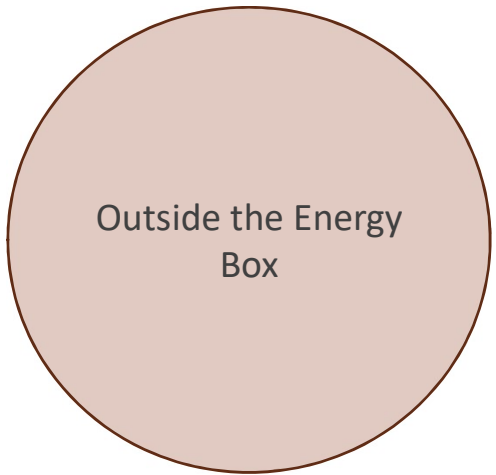
Community Driven



Sustainable,  
Creative, and  
Create Stability



New Sources of  
Funding



Outside the Energy  
Box