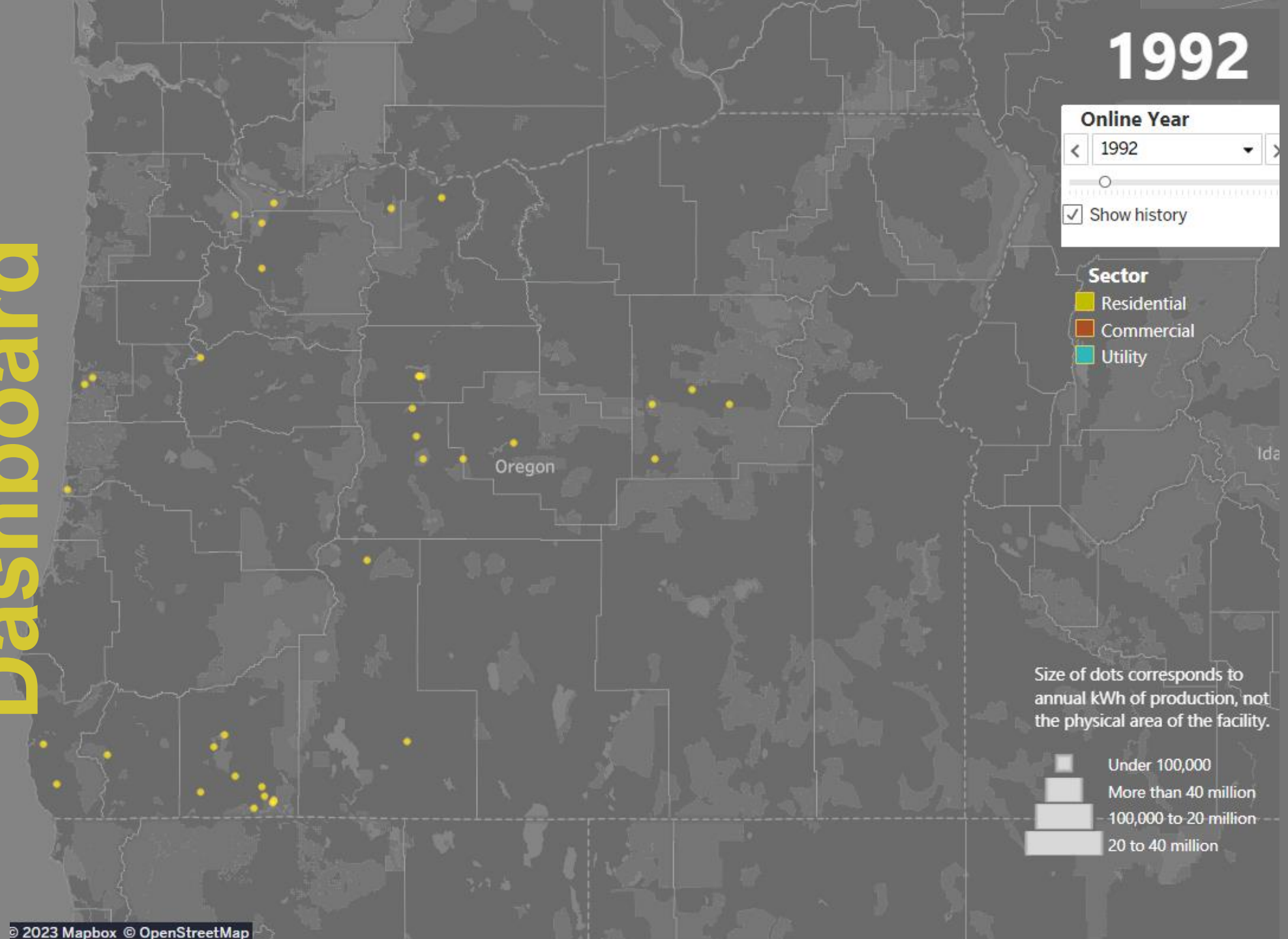




# Residential Solar Programs at the Oregon Department of Energy

Senate Interim Committee on Energy and the Environment  
November 7, 2023  
Rob Del Mar and Christy Splitt

# Oregon Solar Dashboard





# 2002

Online Year

< 2002 >

☒ Show history

Sector

- Residential
- Commercial
- Utility

Oregon

Idaho

Size of dots corresponds to  
annual kWh of production, not  
the physical area of the facility.



# 2012

Online Year

< 2012 >

☒ Show history

Sector

- Residential
- Commercial
- Utility

Size of dots corresponds to annual kWh of production, not the physical area of the facility.





# 2022

Online Year

< 2022 >

☒ Show history

Sector

- Residential
- Commercial
- Utility

Size of dots corresponds to annual kWh of production, not the physical area of the facility.



# OREGON SOLAR + STORAGE REBATE PROGRAM

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## HB 2618 (2019) directed ODOE to:

- Provide incentives to support rooftop solar projects statewide
- Include an option to add storage when the solar PV system is installed
- Support low-income service providers and low-to-moderate income households with an elevated rebate rate and a 25% carve out
- Work with solar contractors, who apply for the rebates on behalf of their customers and who market the program in their work
- HB 3409 (2023) extended the sunset to January 2029



# OREGON SOLAR + STORAGE REBATE PROGRAM

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## State Investments: 2019 - 2023

FY 19-21

HB 2618 (2019) - \$2 million

FY 21-23

HB 5006 (2021) - \$10 million

SB 5202 (2022) - \$5 million

FY 23-25

SB 5506 (2023) - \$10 million

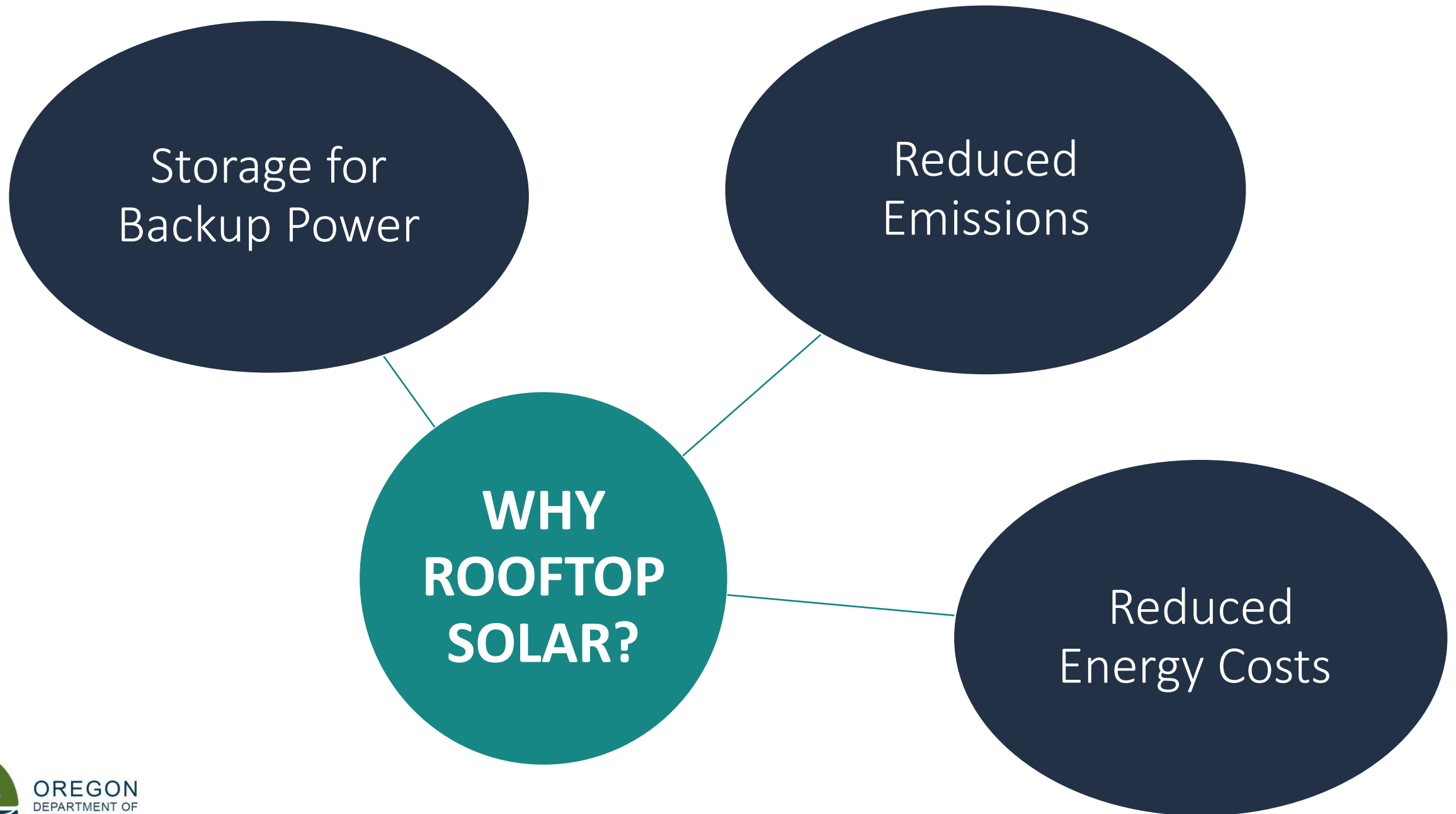


# Results

- 5543 projects completed or in process in 34 counties
- Over \$18.6 million in rebates completed or in process
- Supporting over \$212 million investment in clean energy
- 74 approved contractors
- 35% to low- to moderate-income households or service providers in 2022







# OREGON'S SOLAR FOR ALL CONCEPT

Utilize federal funds to bring the benefits of solar installations to low-income and other disadvantaged communities in Oregon

- Increase incentives for single family, multifamily, and community solar projects that provide benefits to low-income households and disadvantaged communities.
- Develop long term strategies to support low-income participation in solar programs.
- Support workforce development related to the solar industry.





# Five Solar For All Programs

**Single Family**

**Multifamily**

**Community Solar (IOU)**

**Community Solar (COU)**

**Workforce Development**

# SINGLE FAMILY & MULTIFAMILY REBATES

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**Objective: Support solar installations on low-income single-family households with roughly \$47.7 million in financial assistance.**

- Utilize federal funds to increase the incentive “stack” to cover high percentage of project cost.
- Leverage Energy Trust of Oregon programs and the Oregon Solar + Storage Rebate Program to minimize administrative burden.
- Coordinate with housing partners such as CAP agencies and Habitat for Humanity.
- Explore ways to extend federal funds and provide long-term support for the market.

**Objective: Support solar installations for low-income households in multi-family housing with roughly \$18 million in financial assistance.**

- Utilize federal funds to increase the incentive “stack” to cover high percentage of project cost.
- Leverage Energy Trust of Oregon programs and the Oregon Solar + Storage Rebate Program to minimize administrative burden.
- Support storage installations for backup power systems.



# TWO COMMUNITY SOLAR PROGRAMS

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Objective: Support projects in the Oregon Community Solar Program with a high percentage of low-income subscribers with roughly \$24.5 million in financial assistance.

- Partner with Energy Trust of Oregon to develop and manage the program.
- Utilize federal funds to provide financial assistance to qualifying community solar projects.
- Leverage the existing Oregon Community Solar Program.

Objective: Support community solar projects in consumer-owned utility service territories that serve low-income participants and disadvantaged communities with roughly \$17 million in financial assistance.

- Partner with Bonneville Environmental Foundation to develop and manage the program.
- Utilize federal funds to provide financial assistance to qualifying community solar projects.
- Bonneville Environmental Foundation may work with partners in other northwest states to develop sister programs.

# INCENTIVE STACK

	Energy Trust Territories	COU Service Territories
Average System Cost (\$ per Watt)	\$4.00	\$4.00
Typical System Size (kilowatts)	5.00	5.00
Project Cost	<b>\$20,000</b>	<b>\$20,000</b>
OSSRP Rebate*	\$5,000	\$5,000
ETO Rebate (Solar Within Reach, Pac)	\$5,000	\$ -
Estimated Federal Tax Credit*	<b>\$3,000</b>	<b>\$4,500</b>
Total Funding Gap	<b>\$7,000 to \$10,000</b>	<b>\$10,500 to \$15,000</b>



# SOLAR FOR ALL KEY TAKEAWAYS

- This is a competitive federal grant program with award notifications expected in Spring of 2024.
- The application describes ongoing state incentives based on funding provided in SB 5506.
- The existing OSSRP would be focused more to low-income participants.
- The number total of projects in the OSSRP may be reduced.
- On an annual basis, \$5M of state OSSRP funding will leverage more than \$15M in federal funds.





OREGON  
DEPARTMENT OF  
ENERGY

# Questions?

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