Clean Energy States Alliance Webinar

States' Strategies for Working with Low-Income Community Groups on Solar

September 25, 2019



Housekeeping



Join audio:

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Submit questions and comments via the Questions panel

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Wisconsin Office of Energy Innovation





















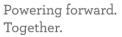






























State Energy Strategies



- Funded by the U.S. Department of Energy through the Solar Energy Technologies Office.
- The Clean Energy States Alliance is working with CT, DC, MN, NM, OR and RI to make solar more accessible to low- and moderate-income residents.















 Research support provided by Lawrence Berkeley National Laboratory and the National Renewable Energy Laboratory.



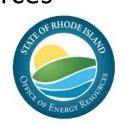




Webinar Speakers



Shauna Beland
Chief – Program
Development, Rhode
Island Office of Energy
Resources





Betsy Kauffman
Renewable Energy
Sector Lead, Energy
Trust of Oregon





Nicole Hernandez-Hammer Project Director, Clean Energy States Alliance (moderator)



Thank you for attending our webinar

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Upcoming Webinars

FERC 841 Compliance Update

Tuesday, October 1, 3-4pm ET

Messaging Research on Public Perceptions of the US Electric Grid (CESA Members Only) Tuesday, October 8, 1-2pm ET

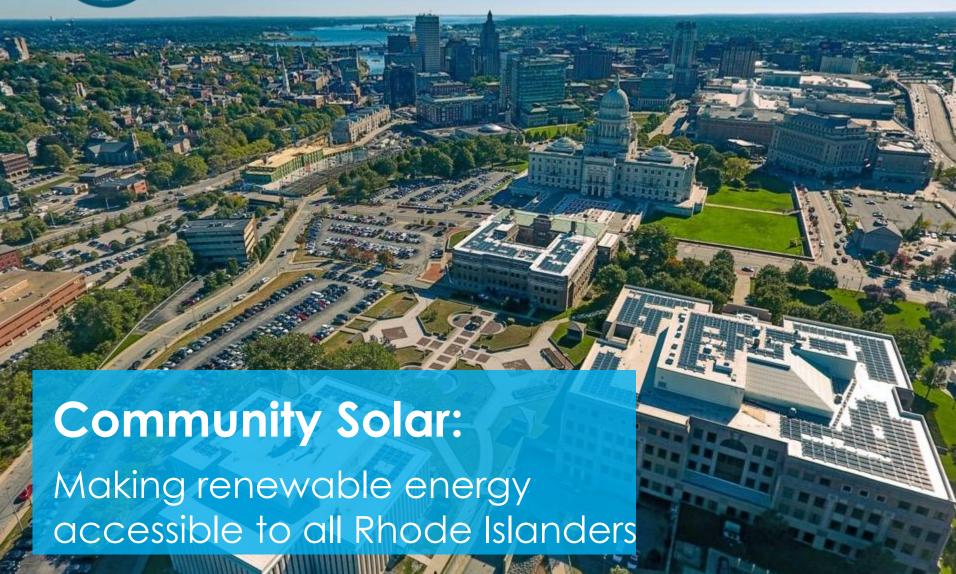
Replacing Power Plants with Low-Income Residential Solar+Storage Thursday, October 10, 1-2pm ET

Read more and register at www.cesa.org/webinars





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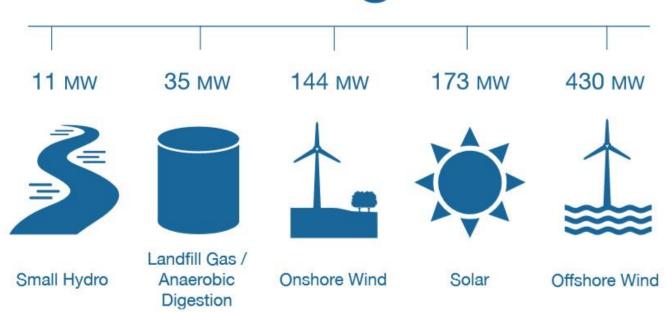


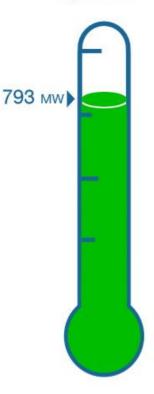
2019 Qtr. 2

Clean Energy Portfolio

1,000 MW by 2020

793 Megawatts





Saving money with community solar & Virtual Net Metering (VNM)

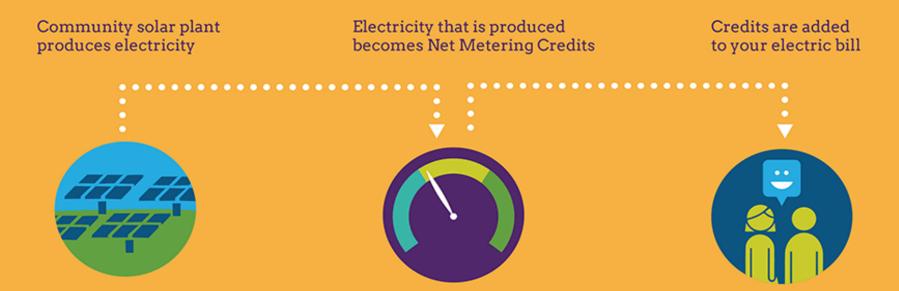


Image Credit: Energy Sage





1st Community Solar Project in Rhode Island



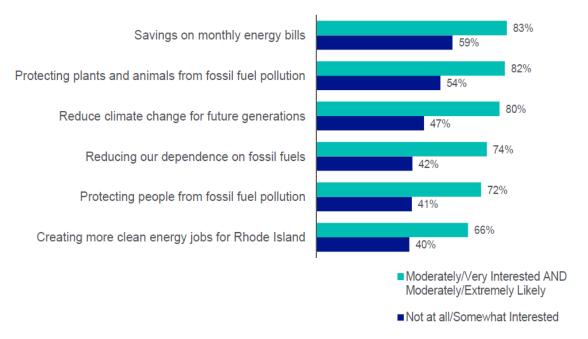




Meetings with Solar Developers and Subscriber Management Companies

Energy bill savings is the most important benefit of participating in community solar, but environmental benefits are also important for those most interested

Community solar benefits (%Extremely Important)

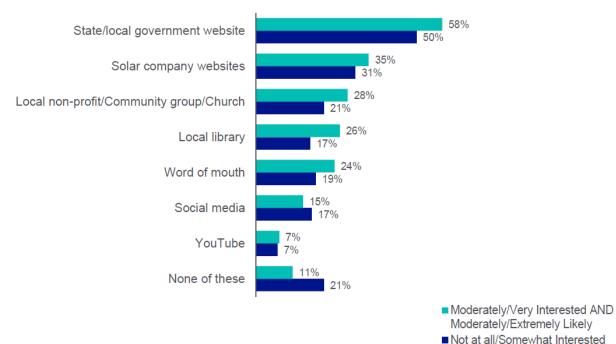


Source: Rhode Island Low and Moderate Income Solar Research, March 2019

Note: Q9 As you feel they are important to you, please rate the following benefits of participating in a community solar project. %Extremely Important Cut by interest in community solar in Q5 and Likely to participate in Q6; Base=122 (Interested & Likely); 240 (Not at all/Somewhat interested)

State/local government website is the most trusted source for information about community solar

Most trusted sources about community solar



Source: Rhode Island Low and Moderate Income Solar Research, March 2019

Note: Q10 If you were to search for information about clean energy, which of the following do you trust most as a source for that information? (Select up to 3)

Cut by interest in community solar in Q5 and Likely to participate in Q6; Base=122 (Interested & Likely); 240 (Not at all/Somewhat interested)

Coming Soon – RI Community Solar Marketplace

www.RIsolarmarketplace.com







Coming soon to Rhode Island

Community Solar



Image Credit: Energy Sage

What is community solar?

A community solar project is a large solar farm shared by more than one household.

Its primary purpose is to allow members of a community the opportunity to share the benefits of solar power even if they cannot install solar panels on their property.

Project participants benefit from the electricity generated by the community solar farm, which costs less than the price they would ordinarily pay for electricity.

Through community solar programs, renters, home-owners, municipalities and non-profits can participate in clean energy projects and save money on their monthly electricity

Community Solar At-A-Glance

- In 2019, for the first time, Rhode Island will have community solar projects available for a limited number of customers to subscribe.
- Everyone can benefit from solar energy.
- New state initiatives and programs now make it possible for renters to benefit from solar energy too.
- Save money on your monthly electric bill and contribute to cleaner air in Rhode Island.
- This summer the Rhode Island Office of Energy Resources is launching a community solar marketplace website.
- Stay tuned for more information at: http://www.energy.ri.gov/



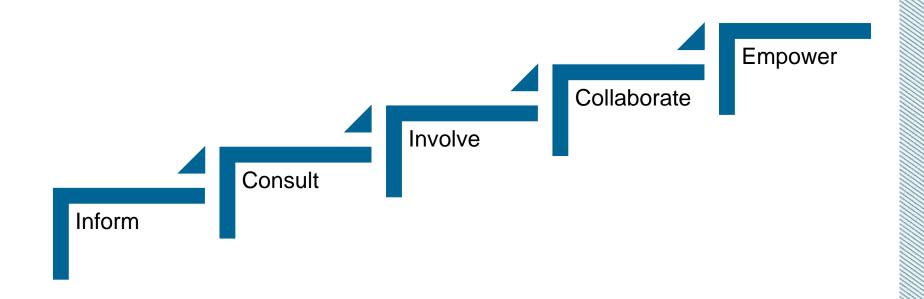
LMI Solar Outreach in Oregon September 25, 2019



Our process over the past three years



Spectrum of Public Participation

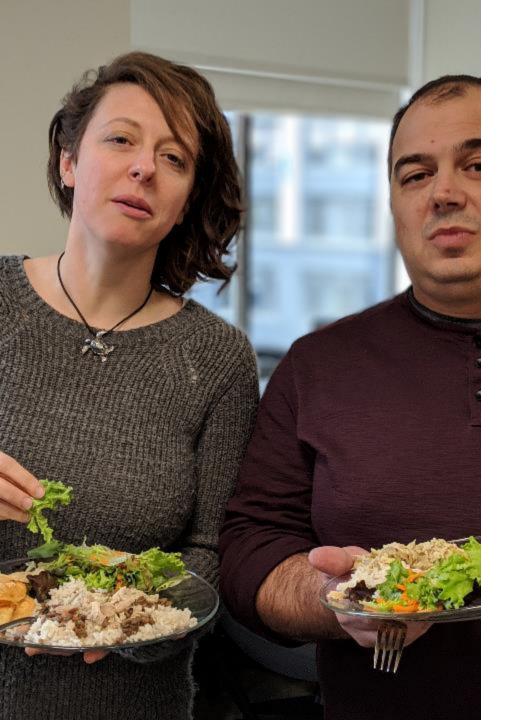


International Association of Public Participation

2017 gatherings

- Events in four communities across
 Oregon
- Presentations and listening sessions
 - 140+ attendees
- Small group discussions, meal
- What we got:
 - Local values
 - Early LMI principles
 - Distribution list!
 - Interested people





LMI Solar Work Group 1.0

- Enlisted a core stakeholder workgroup
- Charged with investigating barriers, opportunities and solutions
- Participatory planning activities
- At first, typical set of energy stakeholders

LMI Solar Work Group 1.0

Energy organizations

- Bonneville Environmental Foundation
- Citizen's Utility Board
- Community Energy Project
- Douglas County Smart Energy
- Northwest Energy Coalition
- Oregon Solar Energy Industries Association
- Spark Northwest
- Sustainable Northwest
- 350 Deschutes

Government agencies

- Multnomah County Office of Sustainability
- Oregon Department of Energy

Utilities

- Pacific Power
- Portland General Electric

Pre-apprenticeship Training Programs

Constructing Hope

Housing/LMI agencies and organizations

 Community Action Partnership of Oregon

Communities of Color

- Native American Youth & Family
- Verde

Community Development Corporations

REACH CDC

30+ meetings in nine communities



Road trip meetings

- Energy organizations
- Communities of color
- Tribal governments
- County and local agencies
- Solar installers
- CAP agencies
- Housing authorities

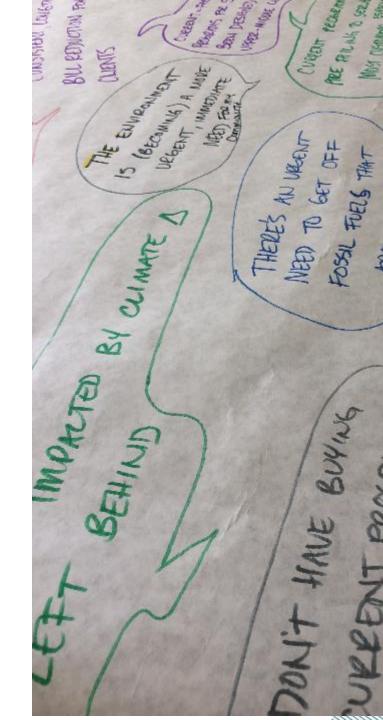
Result: We revised and finalized our strategies

LMI Solar Work Group 2.0

- (10) \$3,000 scholarships to support participation
- Focused on underrepresented groups
- Six half-day meetings

"It's essential to value the time and expertise of LMI-serving agencies — no different from any other consultant — as often renewables falls outside of the core mission for most of these organizations."

-Work Group 2017-2018 member



Work Group 2.0

Communities of Color

- Lower Columbia Hispanic Council
- African American Alliance for Homeownership
- NAACP
- Verde
- Centro Cultural
- Native American Youth & Family

Affordable Housing Providers/ Authorities

 Portland Community Reinvestment Initiative

Community Action Agencies

- Community Action Partnership of Oregon
- NeighborImpact

Community Development Corporations

- CH CDC
- Umpqua Community Development

LMI Non-profits

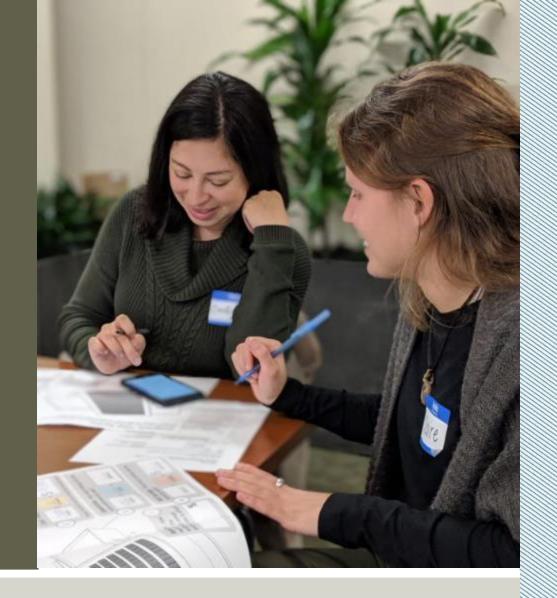
Habitat for Humanity

Pre-apprenticeship Training Programs

Constructing Hope

Meeting Topics

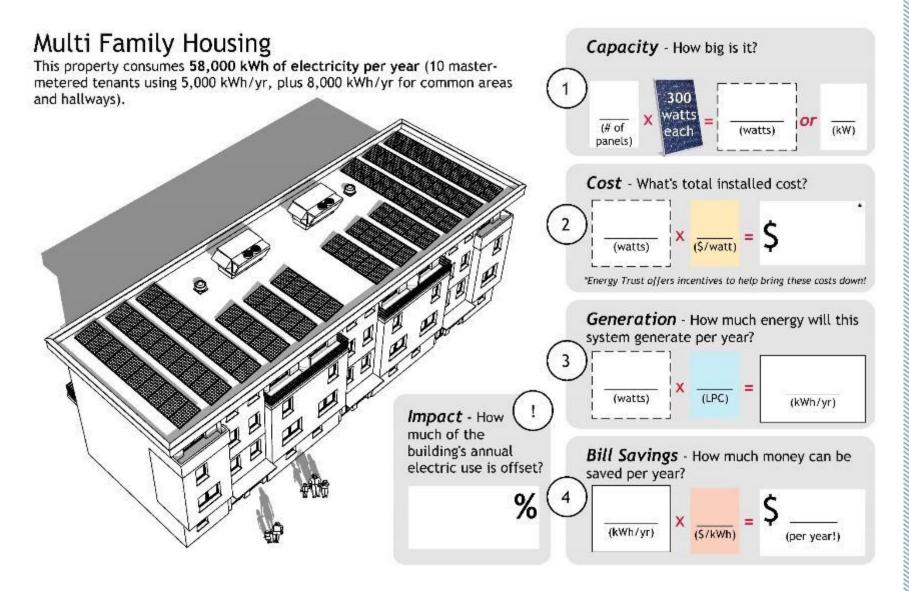
- LMI Housing Types
- Solar 101 and finance
- "Co-benefits"
 - Housing affordability, stability
 - Community resilience and energy planning
 - Workforce
- Real-world solutions charette



"There's not a solar crisis, there's a housing crisis"

Carolina Iraheta-Gonzales - Community Energy Advocate, Verde

We put the "work" in work group...





Innovation Grants

- Seeding innovative models championed by local partners
- \$81,600 in small grant funding awarded to nine selected community groups
- Blend of delivery models (rooftop, multifamily, community solar)
- Continued support for replicable models

Innovation grant example 1





Putting solar on the roof of a community building at a manufactured home park owned by the nonprofit NeighborWorks Umpqua. Benefits shared with tenants with high energy burdens.

Innovation grant example 2



Adding solar education to existing 8-hour, HUD-approved Homebuyer Education Classes.

Exploring use of Individual Development Accounts as a way for current homeowners to save money for post-purchase solar installation.

Innovation grant example 3









Putting solar on 20 Habitat for Humanity homes. The Cooperative monetizes the federal tax credit. Zero-interest loans provided by people in the community.



Lessons learned

- Deep and meaningful engagement
 - · Hit the road!
 - Personalized recruitment
- 2) Empower Participation
 - Scholarships
 - Keep it relevant
 - Participatory planning



Lessons learned

- 3) Listen! And revise your plans
 - Your ideas may need to be changed or dropped
- 4) Support local innovation
 - Planning grants
 - Continued support, ongoing relationship building



Thank you!

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