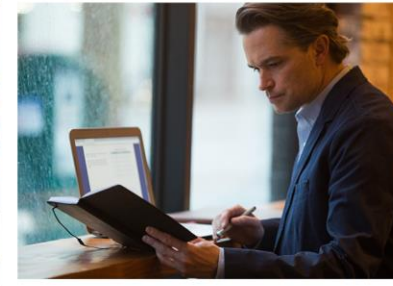


Community-Based Renewable Energy Special Session

March 11, 2025 | 1:30 – 3:00pm PST



This meeting will be recorded

Community-Based Renewable Energy Special Working Session

March 11, 2025, 1:30 - 3:00 p.m. PT

For a Better Meeting Experience

Spanish and American Sign Language interpretation services are available!

- Navigate to "Interpretation" at the bottom of Zoom
- Select "ASL" under Watch or "Spanish" under Audio
- If the interpretation icon is missing, try the "More" icon

Use gallery view (icon at top right) when in group discussion.

For technical support, chat "**Tag Galvin-Darnieder/ E Source**" as recipient, and send your message.

Engagement encouraged!

- Questions are welcome at any time
- Please mute until speaking
- Speak by clicking the "Raise Hand" in the tool bar

 **Source**
Facilitation Team



Morgan Westberry



Zanya Morgan



Jeffrey Daigle

Community-Based Renewable Energy Overview

What are CBREs?

CBREs are broadly defined and can look very different across applications of the term.

In Oregon, CBREs are defined as energy systems that:

Interconnect to a utility distribution or transmission asset and that may be combined with microgrids, storage systems, demand response measures, or energy-related infrastructure that promotes climate resiliency

AND

Either:

Directly benefit particular communities either through community-benefit agreements or that are directly owned by a local government, nonprofit entity, or federally recognized Indian Tribe

OR

Increase resiliency or community stability, local jobs, economic development, or direct energy cost savings to families and small businesses



The Oregon Community Solar Program

The goal of the OCSP is to expand access to solar energy for customers as an alternative to traditional solar rooftop systems, including but not limited to renters, people who live in multifamily buildings, low-income customers, and small businesses in rented or leased space. Participants purchase energy from a community solar project—such as a large solar system on a business, school or church—and receive a credit on their monthly utility bill for the electricity from their portion of the project.



Blue Sky Renewable Grant Recipients

- Covers the capital costs to install qualifying, new renewable energy and battery storage systems for non-residential sites
- Eligible renewable energy technologies
 - Wind
 - Solar PV
 - Geothermal
 - Low-impact hydro, certified by the Low Impact Hydropower Institute (LIHI)
 - Pipeline or irrigation canal hydropower
 - Wave energy or tidal action
 - Low-emissions biomass
- Project requirements
 - New or a new addition to existing project using new equipment
 - Grid-connected following interconnection guidelines as established by Pacific Power
 - Locally-owned
 - Capacity less than 10 MW
 - Completed within one year of notice of award
 - Equipped with electronic monitoring system to collect inverter energy production data for a period of at least five years
 - Applicants are expected to enroll as a Blue Sky business partner as of the date the funding award agreement is signed

Blue Sky Projects | Washington



Perry Technical Institute, 15.68 kW solar array



Wellness House of Yakima, 38.4 kW solar project



Whitman College, 21 kW solar project



Greenway Foundation Visitor's Center, 15.33 kW solar array

Community Resilience Hubs

- Focuses on solar and storage for critical emergency facilities identified by communities to increase resilience during outage events
 - Police stations; fire stations; emergency response providers as defined in D.19 05 042;
 - Emergency operations centers; 911 call centers, also referred to as Public Safety Answering Points;
 - Medical facilities including hospitals, skilled nursing facilities, nursing homes, blood banks, health care facilities, dialysis centers and hospice facilities;
 - Public and private gas, electric, water, wastewater or flood control facilities;
 - Jails and prisons;
 - Locations designated by the IOUs to provide assistance during PSPS events; cooling centers designated by state or local governments;
 - Homeless shelters supported by federal, state, or local governments;
 - Grocery stores, corner stores, markets and supermarkets that have average annual gross receipts of \$15 million or less as calculated at a single location, over the last three tax years;
 - Independent living centers;
 - Food banks



Goals, Barriers, and Benefits

Goals:

- Offers opportunities to address energy inequities
- Encourage the development of community-based renewable energy projects
 - Economic development
 - Local energy resilience
 - Support clean energy targets in Oregon

Barriers:

- Lack of local resources in community
 - Planning, development, maintenance
- Local involvement
- Financing
 - Little to no experience with projects that involve multiple ownership parties or atypical organizations

Benefits:

- Reduced solar energy costs
- Reduced customer energy costs through net metered systems
- Job creation
 - Increased high-skilled labor
 - Worker training
- Greenhouse gas reduction
- Support/provide power to:
 - Cooling/warming centers
 - Critical infrastructure
 - Vehicle chargers

Pacific Power's CBRE-RH Pilot Program

CBRE-RH Pilot Components

- 1. TECHNICAL ASSESSMENTS:** Continued provision of feasibility studies (begun in 2020) to communities interested in better understanding the costs and requirements of solar and battery energy storage systems at critical community facilities
- 2. ONGOING PROJECT SUPPORT:** Leverage expertise and provide supplemental funding to support the planning for, and installation of, the battery storage component of planned and existing resilience projects to provide grid-enabled system-wide benefits and learning outcomes
- 3. GRANT MATCHING:** A mechanism to provide matching funds for communities seeking external grant awards for resilience projects at critical facilities



Provide a pathway of support for communities that have yet to begin formal CBRE project development



Aid in the interconnection of funded, in-flight resilience projects with grid-enabled storage to capture takeaways & learnings with:

- 2a) Design Review
- 2b) Incentive Offering
- 2c) Ongoing Data Collection



Assist communities as they take advantage of existing outside funding opportunities

CBRE-RH Pilot Outreach To-Date

- 1. TECHNICAL ASSESSMENTS:** Continued provision of feasibility studies (begun in 2020) to communities interested in better understanding the costs and requirements of solar and battery energy storage systems at critical community facilities
- 2. ONGOING PROJECT SUPPORT:** Leverage expertise and provide supplemental funding to support the planning for, and installation of, the battery storage component of planned and existing resilience projects to provide grid-enabled system-wide benefits and learning outcomes
- 3. GRANT MATCHING:** A mechanism to provide matching funds for communities seeking external grant awards for resilience projects at critical facilities



26 meetings held with leaders of communities and project managers interested in advancing community resilience



Correspondence with 17 of 19 ODOE C-REP construction grant awardees

Correspondence with 9 of 20 ODOE C-REP planning grant awardees



Two letters of commitment have been provided to the Coquille Tribe for available IJA Formula Grant funding

Possibilities & Potential | CBRE-RH Pilot

- 10-15 Level 1 Feasibility Assessments
- 3-6 Level 2 Feasibility Assessments
- A cohort of 6-10 of CBRE Resilience Hub projects
- A final report inclusive of Pilot learnings and outcomes
 - Various use cases and associated benefits
 - Life-cycle costs
 - Consideration of future ownership models
 - Best practices for implementation/scheduling of DERs
 - Barriers, solutions and other key learnings

Wattsmart Battery Program

- Customers receive financial incentives for enrolling their battery
- Pacific Power autonomously dispatches the fleet of batteries to address grid needs/irregularities
- PacifiCorp has successfully implemented **Wattsmart** in other states since 2019

Wattsmart Battery Program Incentives



Enrollment Incentive

\$150 per kW upfront during commitment period (4 years)

Early program termination will require prorated repayment of upfront incentive



Annual Incentives

\$15 per kW during commitment period years 2 – 4

\$50 per kW after year 4



Example incentives for 8 kW battery

Enrollment incentive: **\$4800** (8kW x \$150 x 4 years)

Annual incentive years 2 – 4: **\$120** (8kW x \$15)

Annual incentive year 5 and beyond: **\$400** (8kW x \$50)



Potential future lease option

Lease option will be evaluated based on customer feedback and participation levels

CBREs in the Clean Energy Plan

Study of Potential CBRE Projects through 2030

- 17 communities with some sort of climate/energy/resilience plan
 - ETO-identified projects
 - Community Solar Program
 - Blue Sky Grant awards
 - Utility distribution system planning
 - CBRE-RH Pilot project support
 - ODOE C-REP Grant Program
- No newly-identified CBRE projects as a result of these plans
 - ~22MW
 - ~65MW
 - ~4MW
 - .5-1MW
 - ~3MW
 - ~14MW

Next Steps

Proposed CBRE Action Plan Items:

- Possible Blue Sky Grant “Go-Back” strategy
- “Stacking” of additional means of project support
- Continued partnership/collaboration with the Energy Trust of Oregon

CBRE-RH Pilot:

- Ongoing outreach to communities and support for potential as well as developing projects

Upcoming Pacific Power Engagements

Clean Energy Plan Engagement Series

Clean Energy Plan Engagement Series #2

May 28, 2025, 9:00am-12:00 pm PST

Register Link:

<https://esource.zoom.us/meeting/register/hVCKPqpGTZKO2FHho3R2Aw>

Clean Energy Plan Engagement Series #3

August 20, 2025, 9:00am-12:00 pm PST

Register Link:

<https://esource.zoom.us/meeting/register/lB8B2LQOTI2shz4BupgeTQ>

For more information:

[Oregon Clean Energy Plan](#)

Email comments to:

OregonCEP@pacificorp.com

Pacific Power Stakeholder Engagement

Community Benefits and Impacts Advisory Group Meeting

March 20, 2025, 1:00-4:00 pm PST

<https://esource.zoom.us/j/84006919819?pwd=8ld9T3biy02qrParQVI6b33gV5WdKd.1>

Tribal Nations Community Benefits and Impacts Advisory Group Meeting

March 28, 2025, 9:00-11:00 am PST

<https://esource.zoom.us/j/88352912102?pwd=VSZldfnxV9mMh8RvLTRh3RMReAN4ov.1>

For more information:

[Oregon Community Benefits and Impacts Advisory Group](#)

Email comments to:

ORCBIAG@pacificorp.com

In-Zoom Survey

We value your feedback and want to continue shaping a space that resonates with community needs and tracks with the feedback heard.

- ✓ There are a total of 3 questions
- ✓ Takes less than 5 minutes to complete
- ✓ Anonymously submitted to Pacific Power
- ✓ Tracks meeting satisfaction and understanding
- ✓ Your input will help shape future meeting topics (new or resurfacing)