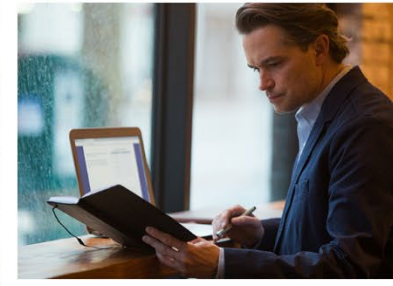


Oregon Clean Energy Plan Engagement Series

September 10, 2024



This meeting will be recorded

Oregon Clean Energy Plan Engagement Series

September 10, 2024, 9:00am - 12:00pm PT

For a Better Meeting Experience



Spanish or ASL?

- 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 G-D / E Source" as recipient, and send your message



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

Agenda

| TIMING | TOPIC |
|----------|--|
| 9:00 am | Purpose & Objectives |
| 9:05 am | Updates: <ul style="list-style-type: none">• LC 82: IRP / Clean Energy Plan Order• Regulatory Updates |
| 9:15 am | Biennial Report: <ul style="list-style-type: none">• Overview• Community Benefit Indicators (CBIs) Update |
| 9:25 am | Integrated Resource Plan Updates |
| 9:50 am | Community Based Renewable Energy Updates |
| 10:00 am | Distribution System Planning Updates |
| | BREAK |
| 10:30 am | Facilitated Listening Circle (90 minutes; Not Recorded) |

Objectives

Oregon Clean Energy Plan Engagement Series

Provide an integrated lens on clean energy planning with expanded learning opportunities to support additional engagement and public input.

1. Provide Oregon Clean Energy Plan and Oregon Regulatory updates
2. Review Section 6 of House Bill 2021: Biennial Report requirement and relay ongoing related activities
3. Discuss Integrated Resource Plan updates and assumptions
4. Share Community Based Renewable Energy and Distribution System Planning updates

A full-page photograph of a wind farm construction site. In the foreground, a worker wearing a white hard hat, safety glasses, a high-visibility orange vest over a grey shirt, and blue jeans is standing on a grassy hill. He is looking up and reaching towards a large white wind turbine blade that is being hoisted into place. The blade is suspended by ropes and pulleys. In the background, another wind turbine is visible, along with a red lattice crane. A flatbed trailer carrying several large white cylindrical components is parked nearby. The sky is a clear, bright blue. A semi-transparent dark grey box containing the text 'Regulatory Updates' is positioned in the lower-left corner of the image.

Regulatory Updates

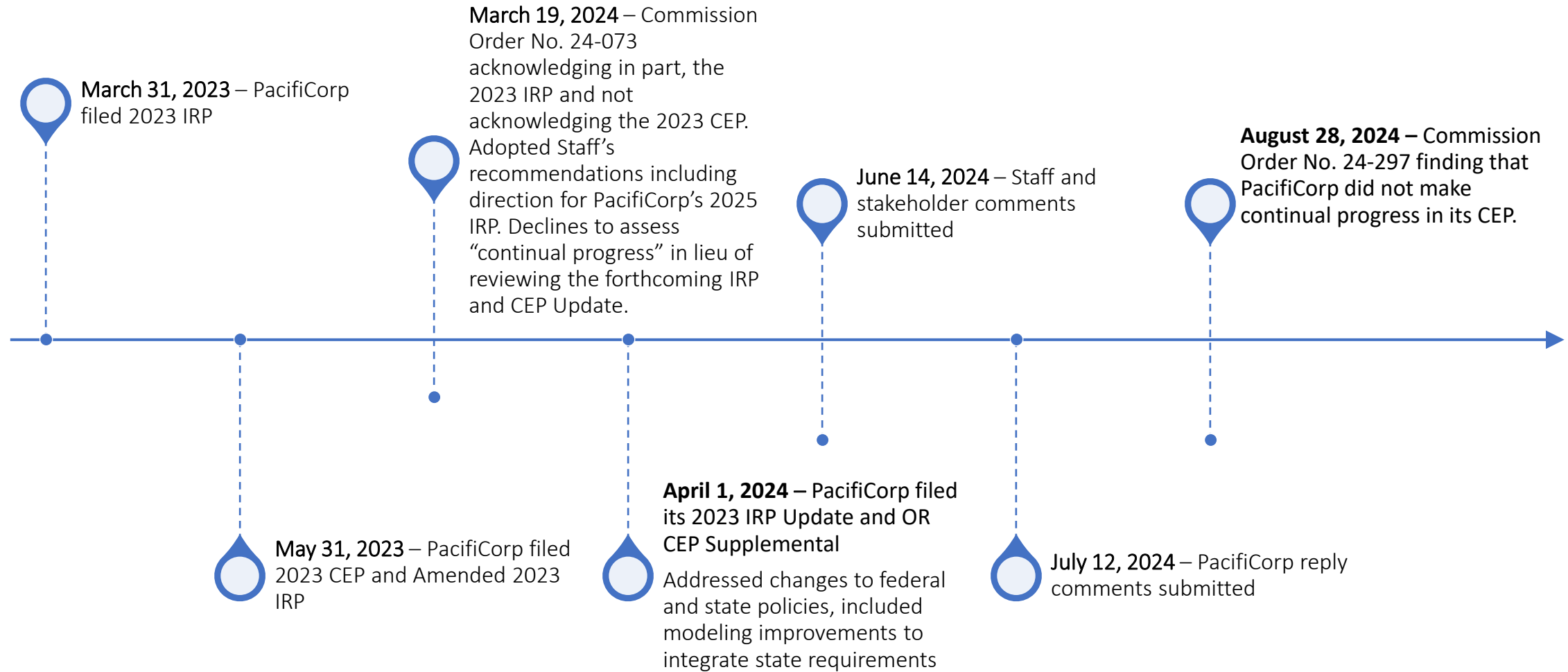
Oregon Regulatory Updates

- Oregon General Rate Case (UE 433)
 - Parties have exchanged pre-filed written testimony
 - Hearing scheduled for September 26, 2024
 - Order expected in mid/late-December
 - Rate changes to go into effect January 1, 2025
- Transition Adjustment Mechanism (UE 434)
 - Stipulation on mechanism filed on July 22, 2024
 - Order expected late-October
 - 2025 net power cost forecast calculated in early November 2024
 - Rate changes to go into effect January 1, 2025
- Power Cost Adjustment Mechanism (UE 439)
 - Parties contesting actual expenses incurred in 2023
 - PacifiCorp reply testimony due September 25, 2024
 - Hearing scheduled for October 8, 2024
 - Order expected mid-December 2024
 - Rate change date TBD, depending on timing for order



Clean Energy Plan

Clean Energy Plan Updates – LC 82



Commission Order No. 24-297

On August 28, 2024, the Public Utility Commission of Oregon issued Order No. 24-297 in docket LC 82 (PacifiCorp's 2023 IRP and CEP):

- Finds that PacifiCorp did not make continual progress towards meeting HB 2021 defined 2030 emissions reduction goal;
 - Commission acknowledges that the company faced significant challenges and changed circumstances between filing of 2023 IRP and 2023 IRP Update,
 - Commission declines to adopt a definition of continual progress under HB 2021 but,
 - Finds that PacifiCorp's trajectory falls too short of emissions goals without a commitment to a plan for improvement.
- Directs Staff to open a new docket intended to result in an order that PacifiCorp will issue a Request for Proposal (RFP) by a certain date;
- Directs PacifiCorp to file a small-scale resource acquisition strategy by April 2025.

On August 30, 2024 the Public Utility Commission of Oregon opened [Docket UM 2345](#) (PacifiCorp Continual Progress towards HB 2021 Compliance).

Link to Commission order: <https://apps.puc.state.or.us/edockets/orders.asp?OrderNumber=24-297>

LC 82 Order 24-073:

#8 Direct PacifiCorp to work collaboratively with **Staff, stakeholders, peer utilities, environmental justice groups, and CBIAGs** in a dedicated working group to develop clear, actionable improvements to community and stakeholder engagement in subsequent IRP/CEPs by December 31, 2024. If PacifiCorp cannot complete this effort by this timeline, PacifiCorp should provide a detailed status update and explanation of how it will ensure that remaining issues are resolved as soon as practicable, inclusive of the perspectives of peer utilities and the utilities' CBIAGs.



Biennial Report

Biennial Report: An Overview

Oregon: Key State Regulatory and Policy Requirements

House Bill 2021 [HB 2021](#)

Requires electric companies to develop clean energy plans and electricity service suppliers to report information for meeting clean energy targets.

Requires electric company that files clean energy plan to convene Community Benefits and Impacts Advisory Group with input from stakeholders who represent interests of customers and affected entities and communities. Requires electric company to file biennial report with Public Utility Commission that assesses community benefits and impacts of electric company.

Order 22-390 [UM2225](#)

- Oregon Public Utility Commission level-set expectations for HB 2021, and coordinate engagement with other requests for customer and community input.
 - Community Benefit Impacts categories and indicator requirements are outlined here.



Due: November 2024

The Biennial Report

Section 6 of HB 2021 (2)(a) asks for the utility, with consultation from the CBIAG, to file a biennial report that assesses the **Community Benefits and Impacts** of the electric company. The biennial report must include a description of the following :

- ✓ Energy burden and disconnections for residential customer and disconnections for small commercial customers.
- ✓ Opportunities to increase contracting with businesses owned by women, veterans or Black, Indigenous, or People of Color
- ✓ Actions within environmental justice communities within the electric company's service territory intended to improve resilience during adverse conditions or facilitate investments in the distribution system including investments in facilities that generate non emitting electricity;
- ✓ Distribution of infrastructure or grid investments and upgrades in environmental justice communities in the electric company's service territory, including infrastructure or grid investments that facilitate the electric company's compliance with the clean energy targets set forth in section 3 of this 2021 Act
- ✓ Social, economic, or environmental justice co-benefits that result from the electric company's investments, contracts, or internal practices;
- ✓ Customer experience, including a review of annual customer satisfaction surveys;
- ✓ Actions to encourage customer engagement
- ✓ Other items as determined by the electric company and the electric company's Community Benefits and Impacts Advisory Group.

Biennial Report: Community Benefit Indicators

Oregon Engagement: Community Benefit Indicators

Community Benefit and Impact Advisory Group will weigh in on these items:

- In Order 22-390, the Public Utility Commission of Oregon recommends utilities adopt one CBI for each of the following topic areas;
 - Resilience
 - Health and community well-being
 - Environmental impacts
 - Energy Equity
 - Economic impacts
- Order 22-390 also recommends utilities include one metric for each of the following categories;
 - Informational CBIs
 - Community Based Renewable Energy (CBRE) focused CBIs
 - Portfolio CBIs
- CBIs for each of the five topic areas (i.e., resilience, health and community well-being, environmental impacts, energy equity and economic impacts) will be characterized as one of the three CBI categories (informational, CBRE focused or portfolio)

Community Benefit Indicators

PacifiCorp needs to name a Community Benefit Impact in these five following topic areas:

| | | | | |
|-----------------------------|--------------------|-------------------------------|---------------------------------------|---|
| Energy Equity | Resiliency | Health & Community Well-Being | Environmental Impacts | Economic Impacts |
| Proposed Indicators: | | | | |
| Energy burden # households | Outages + Duration | Disconnections | Renewable Energy + Emission Reduction | Community-focused efforts + investments |

Current Framework

| CBI Category | CBI (Outcomes) | Indicator |
|------------------------------------|--|---|
| 1) Resilience | a) Improve Resiliency of Vulnerable Communities During Energy Outages | SAIDI, SAIFI, CAIDI at area level including major events |
| | b) Reduce Frequency and Duration of Energy Outages | Energy Not Served (ENS) for IRP portfolios are included as an output from portfolio development |
| 2) Community Health and Well-being | a) Decrease Residential Disconnections | Number of residential disconnections by census tract |
| 3) Environment | a) Increase Energy from Non-emitting Resources and Reduce CO2e Emissions | Oregon GHG emissions (from Oregon-allocated resources) |
| | | Oregon allocated renewables |
| 4) Energy Equity | a) Decrease Proportion of Households Experiencing High Energy Burden | Average Energy burden by census tract, for low-income customers, bill assistance participants, Tribal members and for all customers |
| | b) Increase Efficiency of Housing and Small Businesses in Disadvantaged Areas* | To be determined |
| 5) Economic | a) Increase Community-Focused Efforts and Investments | Headcount of DSM program delivery staff & grants |
| | | Public charging stations |
| | | Pre-apprenticeship / educational program participation |
| | | Energy supply resource development - workforce and spend |
| | b) Reduce Barriers for Disadvantaged Communities for Company Program Participation* | To be determined |

***Draft CBIs. PacifiCorp will also work with partners, such as Energy Trust of Oregon, to revise if needed, and identify related actions and metrics.**

A young boy with light hair, wearing a plaid shirt and khaki pants, stands with his arms raised in a gesture of joy or triumph. He is wearing a backpack. In the background, several large wind turbines are visible against a clear blue sky. The scene is brightly lit, suggesting a sunny day. A semi-transparent grey banner is overlaid at the bottom left, containing the text "Integrated Resource Plan".

Integrated Resource Plan

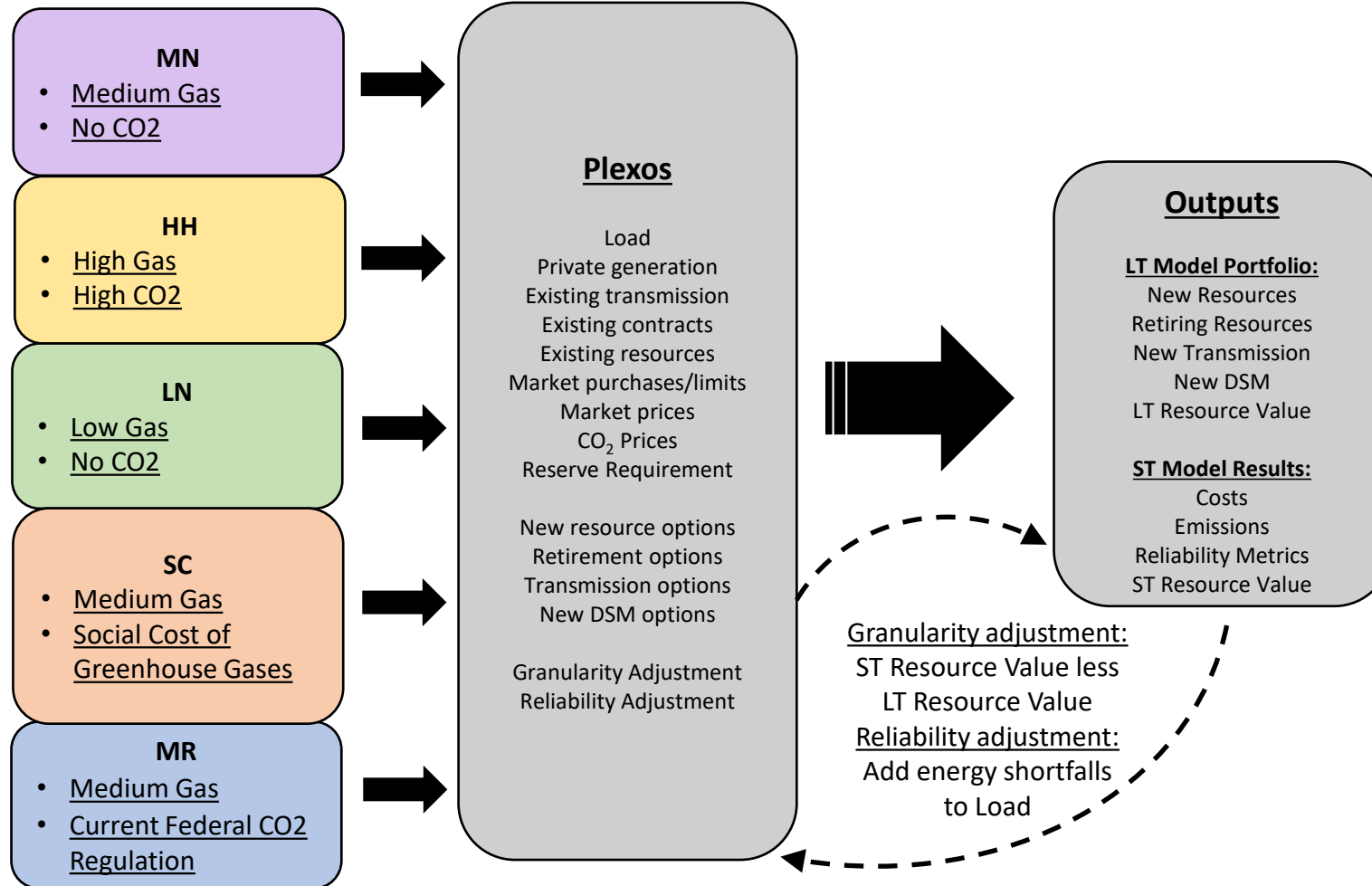
Portfolio Development

- Previous IRP cycles sought to meet Oregon and Washington requirements through “layering on” needed resources **after** the final selection of the system-wide least cost, least risk portfolio.
- In the 2023 IRP Update, an initial portfolio was modeled appropriate to each state. The 2025 IRP will also use this strategy. Integrating all states’ compliance requirements before finalizing the preferred portfolio:
 - Determine competitive least-cost, least-risk portfolios specific to each state inclusive of state requirements
 - Oregon Constraints:
 - Clean Energy Plan (CEP) emission compliance (HB 2021)
 - Oregon small-scale resource requirement (<20 MW)
 - RPS
 - CA/UT/WY/ID Constraints:
 - These states are currently broadly aligned for IRP purposes
 - Washington Constraints:
 - Clean Energy Transformation Act (CETA) compliance
 - SCGHG included in resource dispatch
 - RPS
- All initial state runs are combined based on each state’s resource selections. The final “integrated” preferred portfolio meets all state compliance requirements and honors each state’s resource selections.

Portfolio Development

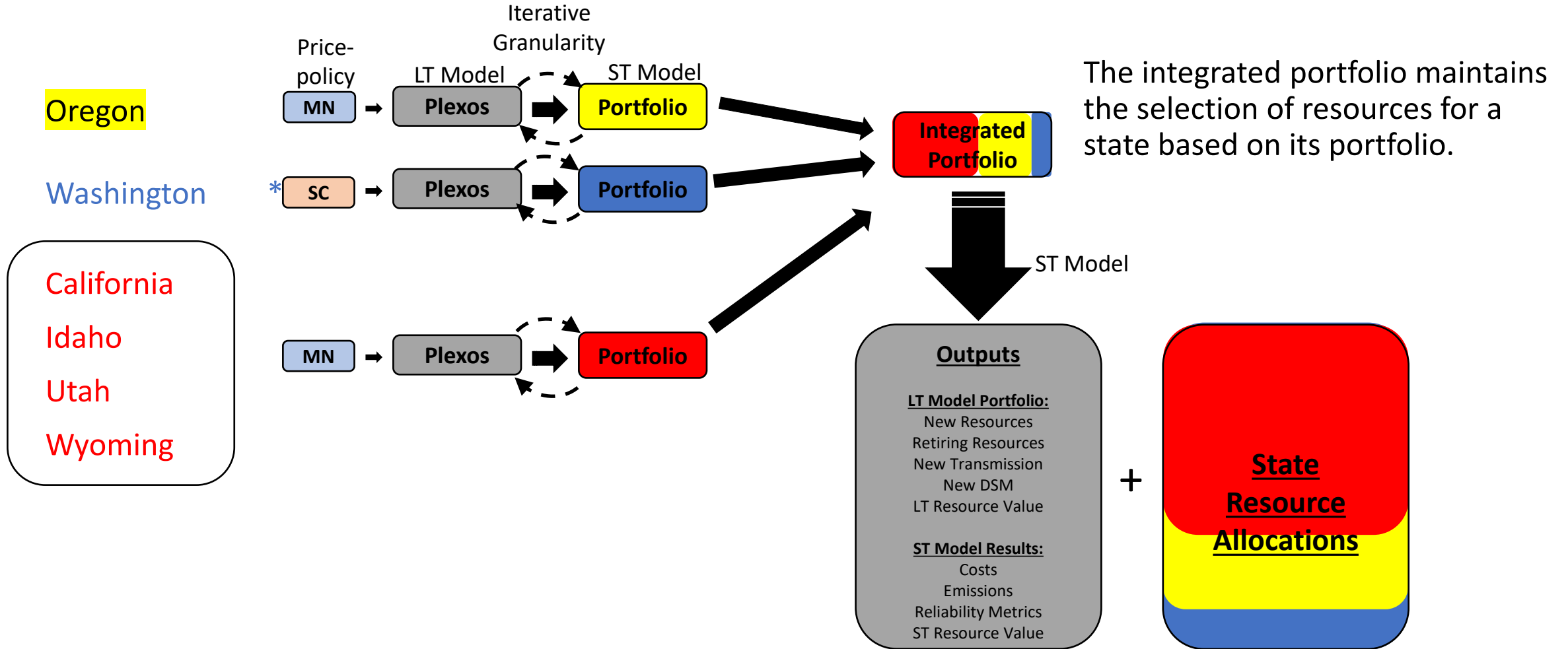
Portfolios for the base case and key variants and sensitivities are developed under each price-policy scenario.

Other cases may only be developed under one or two relevant price-policy scenarios.



Granularity and reliability adjustments are unique to each portfolio variant and developed iteratively.

Portfolio Integration Example




* Washington requires the inclusion of the social cost of greenhouse gases in resource dispatch.

Oregon-Specific Sensitivities

- The 2025 IRP will include:
 1. Initial studies that cover state-specific policies and constraints that will be integrated into the unified preferred portfolio
 2. Variant studies that are eligible for consideration to be the preferred portfolio
 3. Sensitivity studies that require fundamentally different inputs for informational purposes, and are not considered for the preferred portfolio
- The 2025 CEP will include Oregon-specific sensitivities:
 - a) No small-scale renewable requirement
 - b) Community Benefit Renewable Energy (CBRE) valuation study
 - c) No nuclear resources*
 - d) No non-emitting peaker plants or future clean alternative fuels assumption*
 - e) Other?

*variants that are included in the 2025 IRP set of studies as described in the first bullet

A man and a woman are in a workshop, smiling and looking at a tablet together. The man is wearing a blue t-shirt and the woman is wearing a red and black plaid shirt. They are standing in front of a workbench with various tools and materials. In the background, there are shelves with tools and a large open bay door. Two other people are visible in the distance. The scene is brightly lit with natural light from the bay door and overhead fluorescent lights. A red graphic element is in the top right corner.

Community Based Renewable Energy (CBRE) Updates

CBRE-RH Pilot Components

1. **TECHNICAL ASSESSMENTS**: Continue to provide 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**: Establish a mechanism to provide matching funds for communities seeking external grant awards for resilience projects at critical facilities



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



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

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



Assist communities as they take advantage of existing funding opportunities

CBRE-RH Pilot Feedback Received

| Already Part of PAC's Resilience Evaluation Approach | Additional Feedback Under Consideration |
|--|--|
| Track Households within 5 miles of a resilience hub | Leverage stakeholders to identify outreach orgs. |
| Track Households with Limited English | Track Community Emergency Mgmt. Planning |
| Track projects in High Fire Consequence Areas | Track number of disconnections in communities |
| Track Households with Medical flags | Coordinate with OREM Resilience hub planners |
| Track Households with residents under 6, over 65 | |

CBRE-RH Pilot Feedback Received

**Interim Resilience CBI:
Improve Resiliency of Vulnerable Communities During Energy Outages**

Metrics suggested to track within the Pilot:

- Number of outreach “connections” made in a community, by type of entity
- Number of connections that result in a feasibility study performed
- Reasons an entity chooses not to move forward with a project/study
- Number of feasibility studies provided by ETO

Distribution System Planning Updates

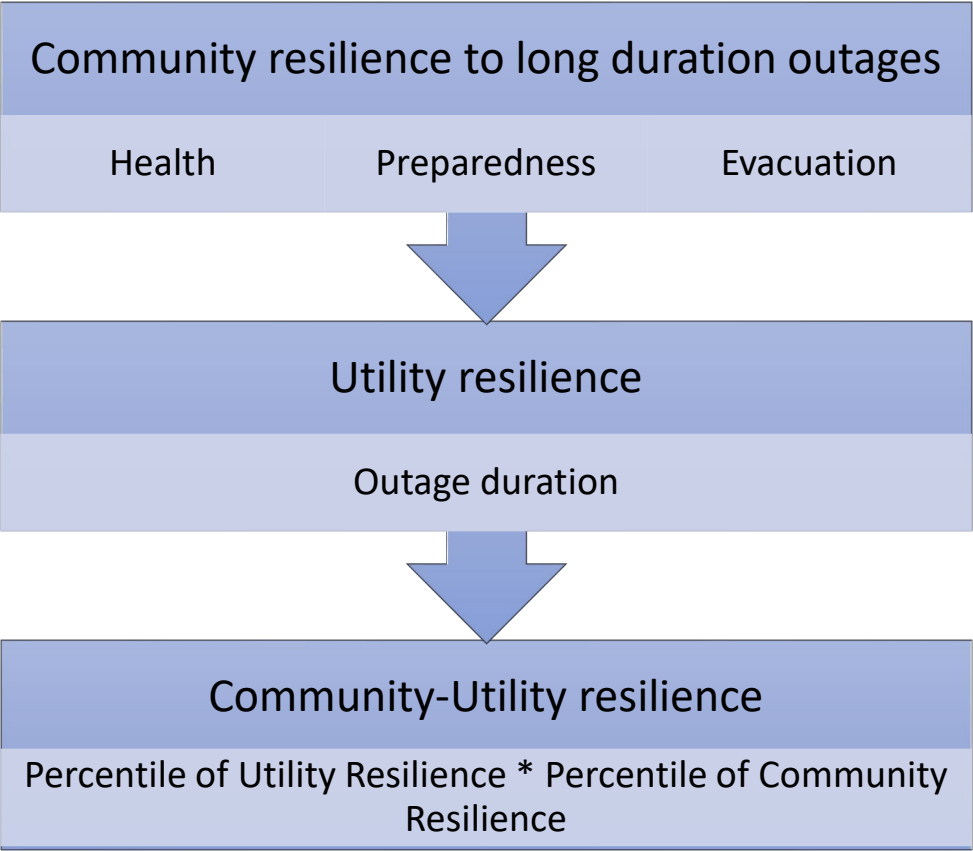
Proposal to Define Resiliency in CEP

- **Defining resiliency and resiliency goals:** The critical first step to begin incorporating resilience into CEP programs is defining resiliency and corresponding strategic objectives and targets. PacifiCorp intends to develop an initial definition and strategic goals for its resiliency program through recurring stakeholder meetings as discussed in Chapter II above. PacifiCorp expects this to include definitions of **utility resilience, community resilience, and community-utility resilience**, which will serve as the overall concept for resilience that informs subsequent analysis and planning.
- Developing community-utility resilience metrics PacifiCorp intends to **combine census tract level community and utility resilience scores into a composite community-utility resilience score**. This score will be used to identify and prioritize census tracts for additional analysis of system performance including outages and major events.

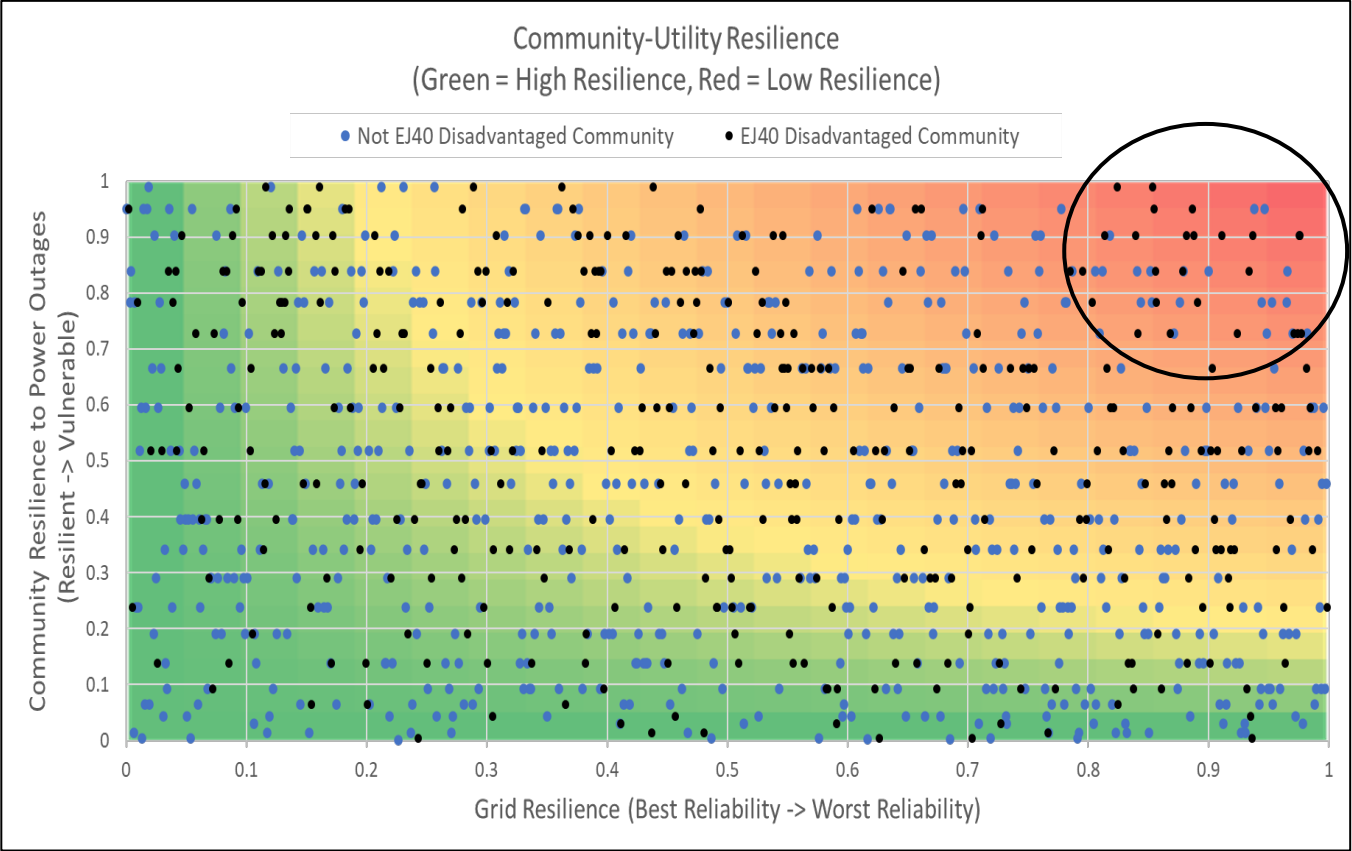
| CBI Category | Interim CBIs | Interim CBI Metrics |
|-----------------------------------|---|--|
| Resilience (System and Community) | -Improve resilience of vulnerable communities during energy outages -Reduce frequency and duration of energy outages | -SAIDI, SAIFI and CAIDI at area level including major events -Energy Not Served (ENS) for IRP portfolios are included as an output from portfolio development |

Community and Utility Resilience

Components of Resiliency Metrics



Focus Efforts in Areas of Lowest Resilience and Worst Reliability



Community Vulnerability Measures and Data Sources

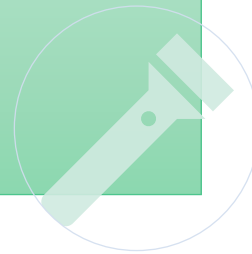
- Age (Census)
- Health Conditions (CDC/PLACES)
- Medical flags on accounts (Utility Data)
- Weather (OSU PRISM)

Health



- Education (Census)
- Housing and Occupancy Characteristics (Census)
- Income and Government Assistance (Census)
- Language Barriers (Utility Data)

Preparedness



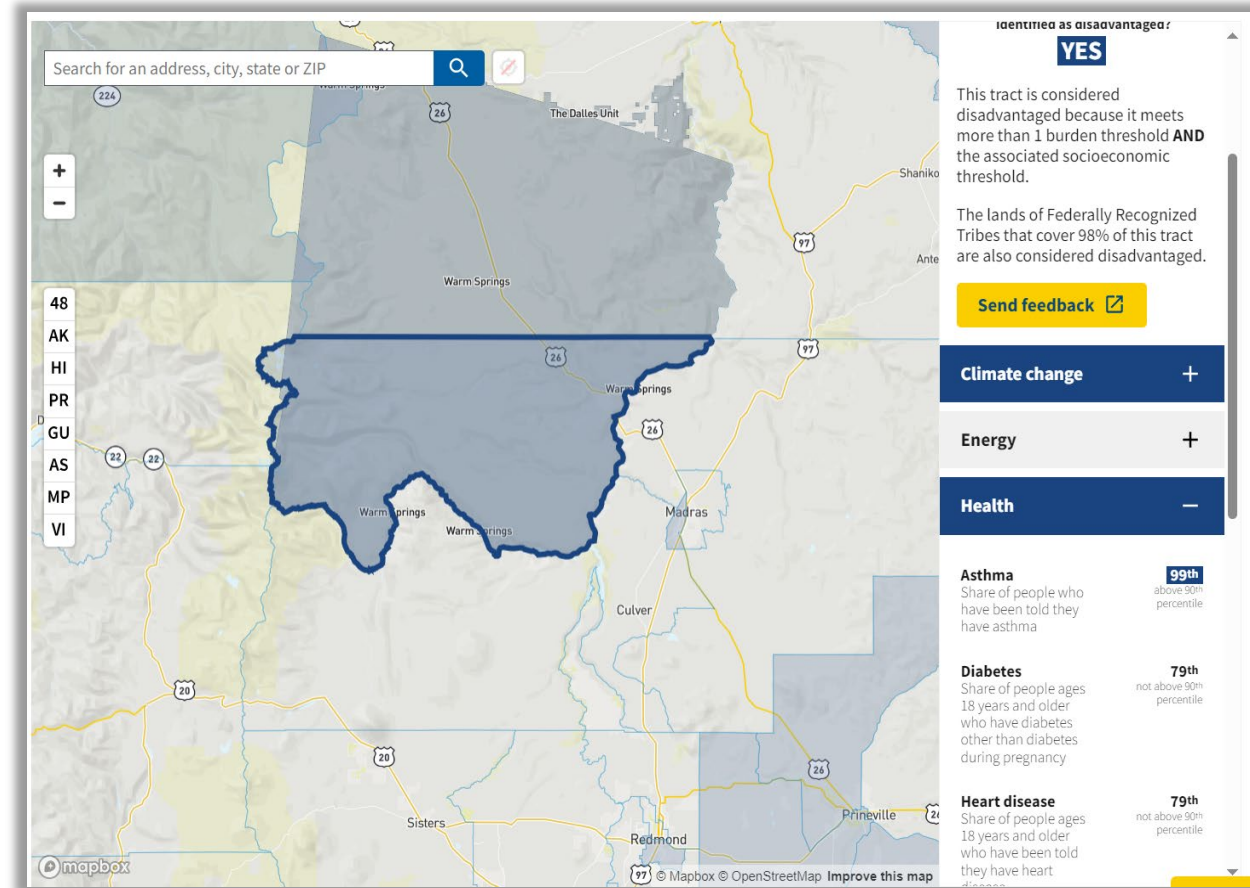
- Housing and Occupancy Characteristics (Census)
- Vehicle Availability (Census)
- Income (Census)
- Proximity to emergency shelters with backup generation (FEMA/Red Cross/Utility Data)

Evacuation

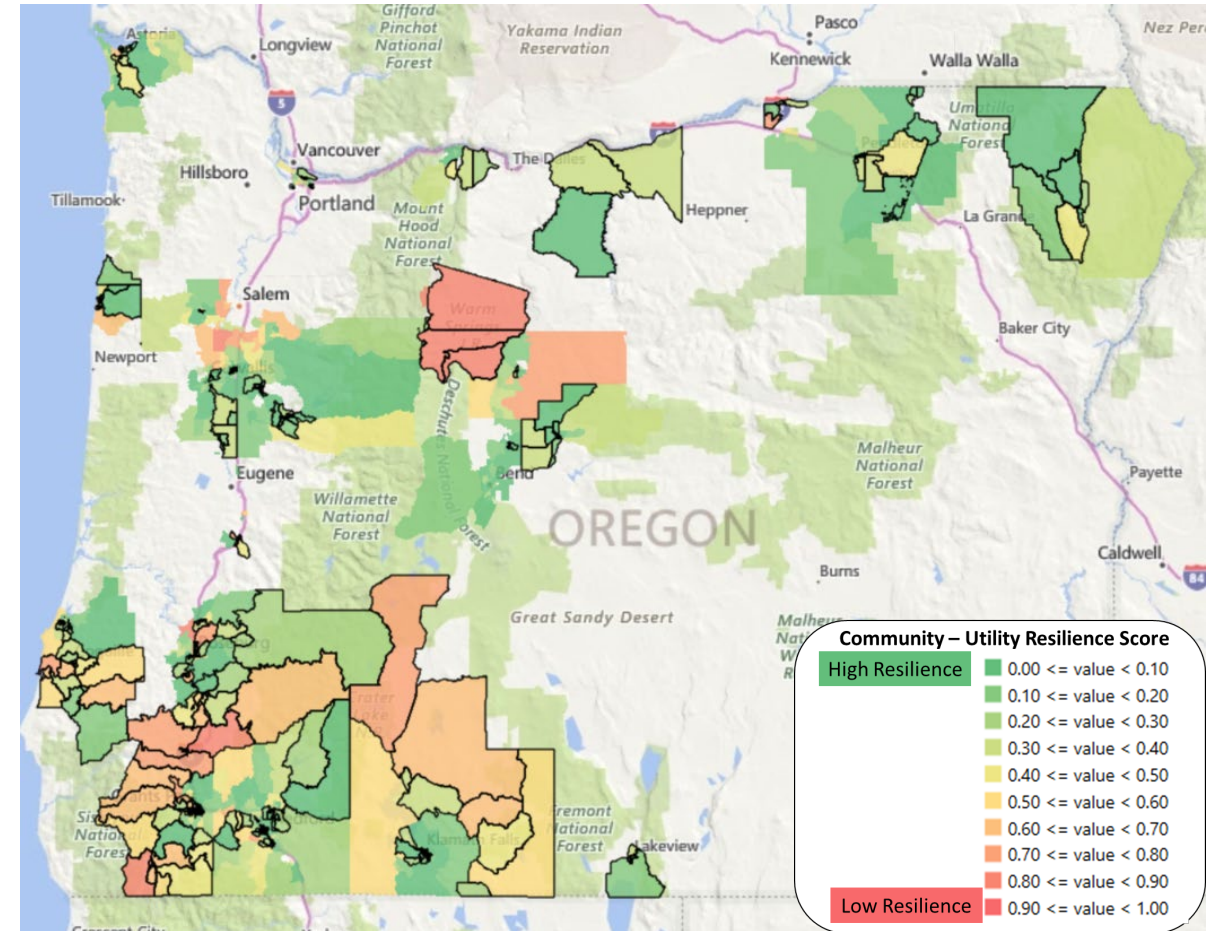
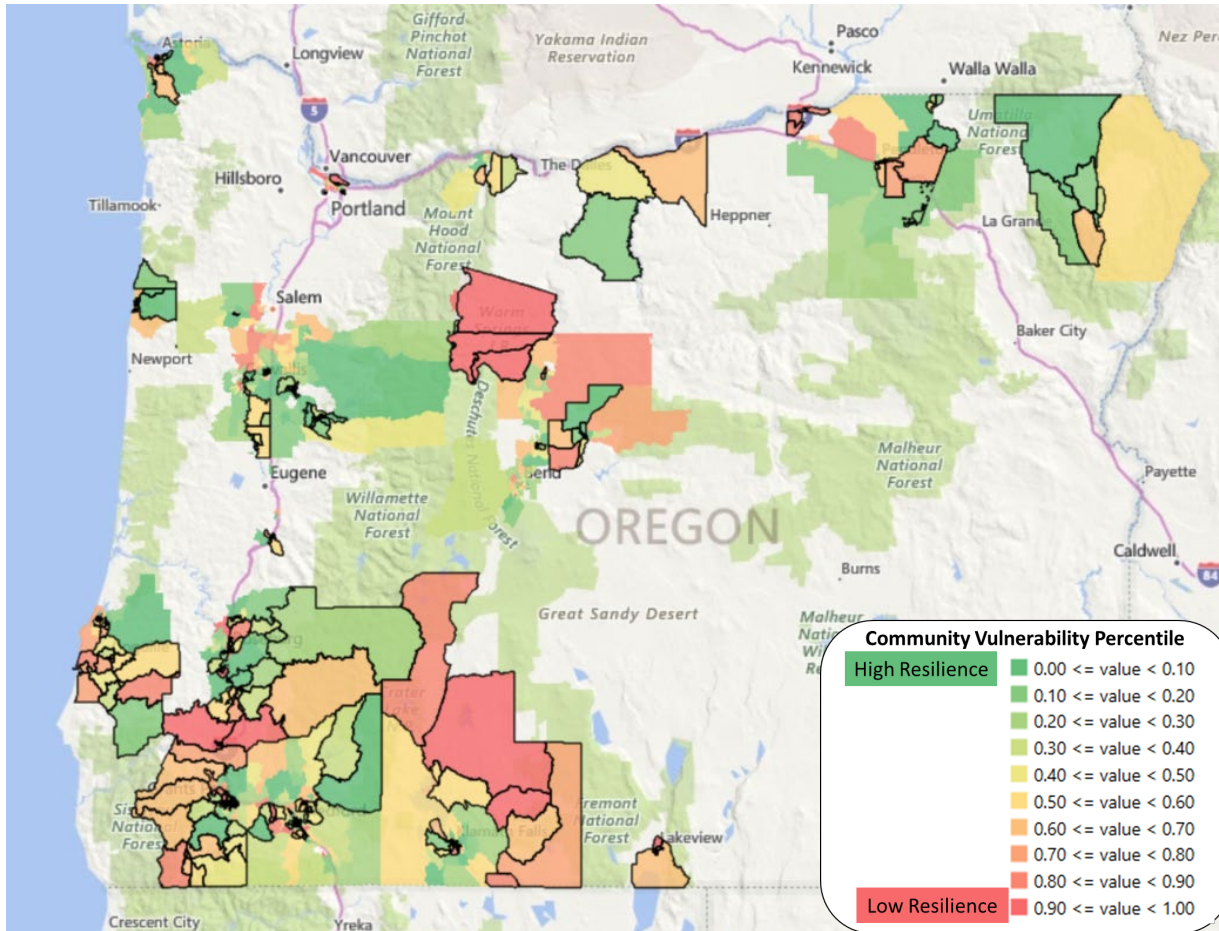


Environmental Justice 40 (EJ40) Disadvantaged Communities

- Ability to apply filter on dataset to focus on EJ40 disadvantaged communities to help *identify grant opportunities that can lower the financial barriers to implementing a solution to reduce outage vulnerability.*
- Disadvantaged communities defined as Census tract that exceeds one or more of the following category thresholds:
 - Climate change
 - Energy
 - Health
 - Housing
 - Legacy Pollution
 - Transportation
 - Water and wastewater
 - Workforce development



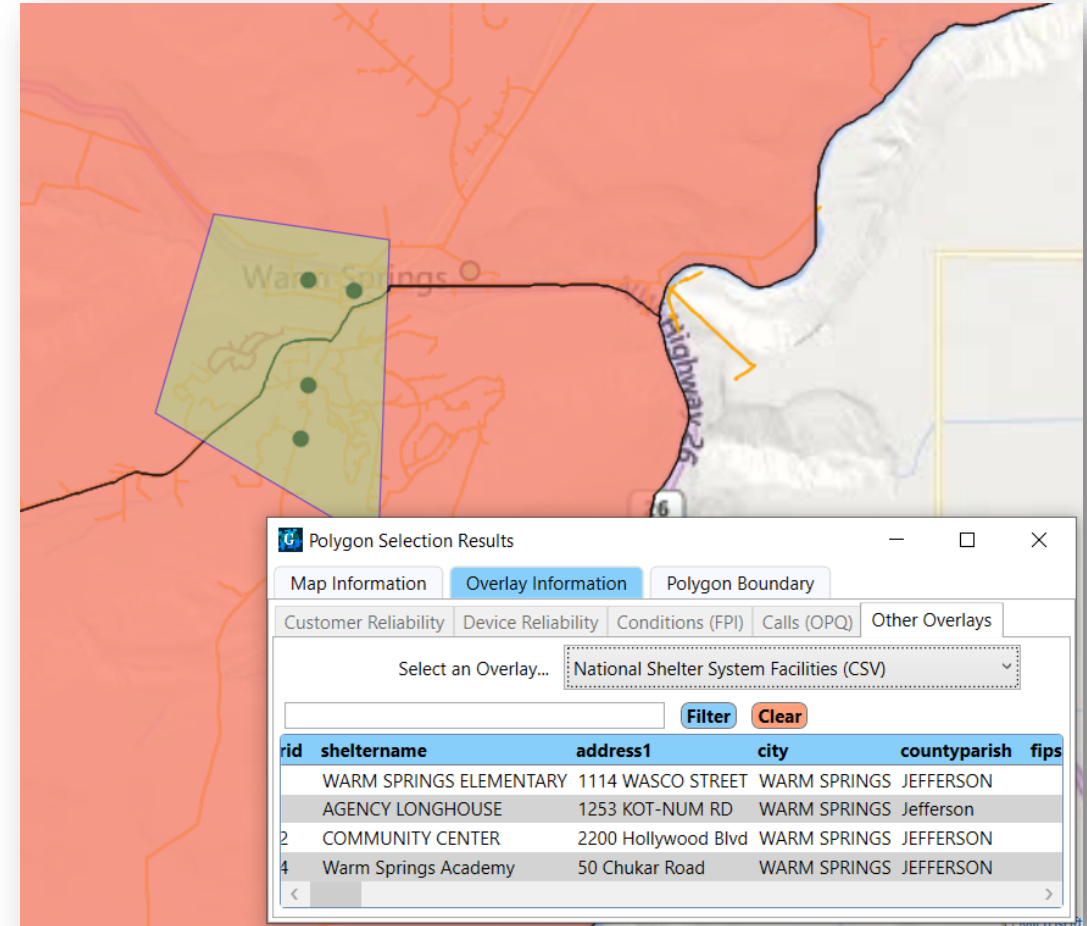
Community-Utility Resiliency Map



*Shaded areas are census block groups the company serves. Black outline indicates area is within EJ40 disadvantaged community.

National Shelter System & Community Resource Centers

- FEMA and Red Cross have a database of facilities that can serve as a shelter in the event of a disaster, including indication if facilities have backup generation.
- The Company has established relationships with community and public safety partners to identify sites where the Company may activate a Community Resource Center (CRC) to provide services to communities during a PSPS event.
- The Company plans to review facilities near vulnerable communities with local emergency planning teams for potential opportunities for resilience based CBRE projects.



Public Comment

Clean Energy Plan Engagement Resources

For more information on Pacific Power's Oregon Clean Energy Plan and to stay up to date with activities, please visit [Oregon Clean Energy Plan \(pacificcorp.com\)](https://www.pacificcorp.com/oregon-clean-energy-plan).

You may send any comments or questions to OregonCEP@PacifiCorp.com

Meeting materials, including the recording of this session will be made available online. Meeting materials are also made available in Spanish and posted online following each meeting.

Additional Engagement Opportunities

Community Benefits and Impacts Advisory Group Meeting (CBIAG) (ONLINE)

When: September 19, 2024

Time: 1:00 pm – 4:00 pm

Online: <https://esource.zoom.us/j/82499466615?pwd=0Pwe5R5fZbDjHm9kgomljG20btLciw.1>

Clean Energy Plan Engagement Series for Oregon Tribal Nations Meeting (HYBRID)

When: September 27th, 2024

Time: 9:00 am – 11:00 am

Online:

<https://esource.zoom.us/j/86554841515?pwd=0lY41ZKiPhpPG0HZYr0kWfMJpaQySx.1>

Onsite: Warm Springs Power & Water Enterprises
located at 5180 Jackson Trail Road Warm Springs,
OR 97761

Break

Facilitated Listening Circle



Guardrails for our Listening Circle

Equity of Time



Facilitators will set a timer for each speaker before questions and dialogue. After each person who wants to speak has an opportunity, we will follow up with those who want to speak again.

Open Dialogue



Speakers will be allowed to discuss a variety of topics during their time. If a speaker would like the moderator to pull up a document, they can send a direct message with the link or image to Jeffrey, Tag, Morgan, or Zanya.

Develop Clarity



After each speaker, there will be time set aside for those seeking clarity and those wanting to further specific dialogue. The facilitator will call on participants in the order that they have used the raise hand-feature.

Be Present



We ask all participants in our dialogue session to be on camera (if possible) so we can create meaningful connections with those on the line.

Be Respectful



We ask all participants to engage each other with respect, understanding that each person brings their unique and valuable lived experiences and expertise.

Potential Topics

The items listed below are meant to serve as a potential starting point. Participants are welcome to engage in additional topics during their time.

Community Benefit
Indicators

Engagement

Community Based
Renewable Energy



Distribution system
planning

Integrated Resource
Planning

Others?

Additional Opportunity for Dialogue

We'd like to ask you a few questions about today's session and other topics.

Please take 15 minutes to provide input. A summary of all input received through this survey will be shared at the next CEP engagement session.

Thank you!

PacifiCorp | Clean Energy Plan
Engagement Series Feedback

