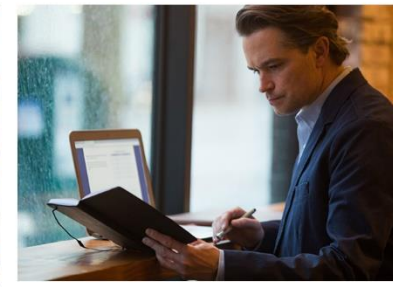


# Clean Energy Plan Engagement Series

4th Meeting

August 25, 2023



# Clean Energy Plan Engagement Series

August 25, 2023, 1:00-4:00 p.m. PT

This meeting will be recorded

## 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
1:00 p.m.	Purpose & Objectives
1:10 p.m.	Clean Energy Plan Filing
1:25 p.m.	Correlating the IRP to the CEP
1:55 p.m.	Community-Based Renewable Energy (CBRE) Grant Straw Proposal
2:15 p.m.	BREAK
2:25 p.m.	Revisiting Small Scale Renewables
2:55 p.m.	DSP Planning & Engagement
3:10 p.m.	Community Engagement
3:20 p.m.	Reflecting on Feedback
3:30 p.m.	Public Comment
3:45 p.m.	Next Steps

## Clean Energy Plan Engagement Series Purpose

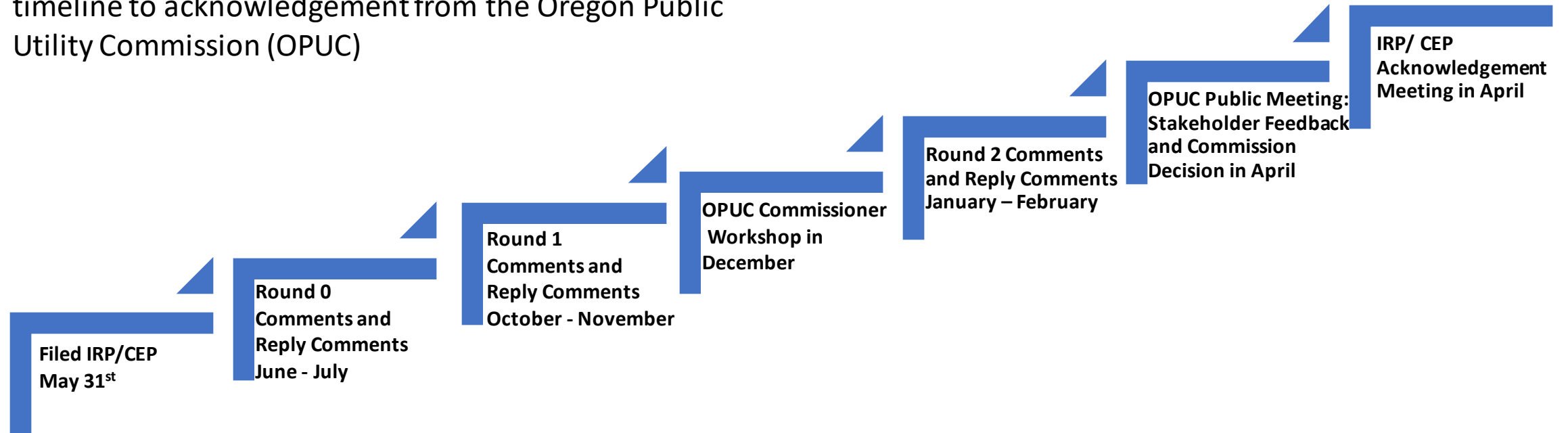
Provide an integrated lens on clean energy planning with expanded learning opportunities to foster a deeper understanding of programs and outreach while gathering public input.

## Ongoing Objectives

1. Brief on Clean Energy Plan (CEP)
2. Socialize clean energy pathways
3. Deepen understanding of:
  - Integrated Resource Planning to Clean Energy Plan
  - Small Scale Renewable Procurement
  - Community-Based Renewable Energy (CBRE)
  - Community Engagement

# Acknowledgement Timeline

Integrated Resource Plan (IRP) and Clean Energy Plan  
timeline to acknowledgement from the Oregon Public  
Utility Commission (OPUC)



# Discussing Planned Actions

- Update the **Community Based Renewable Energy Potential Study and Community-Based Renewable Energy Action Plan** following stakeholder engagement
- Develop a straw proposal for a **Community Based Renewable Energy Project Pilot** focused on a renewable energy source paired with battery energy storage to develop community resilience hubs
- Conduct a **survey to better gauge future interest** in different types of Community-Based Renewable Energy projects
- Look for ways to leverage other **public funding sources**
- Conduct a new **2023-2024 all source request for proposals**, expected to solicit, acquire, and evaluate specific energy supply resources through the end of 2028
- Evaluate appropriate criteria for assessing bids in **specific small-scale renewable resource request for proposals**
- Continued **community engagement** on key Clean Energy Plan topics and other program and planning processes



A young boy with short blonde hair, wearing a plaid shirt and khaki pants, stands with his arms raised in a gesture of joy or triumph. He is wearing a purple 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 red graphic element is visible in the top right corner.

## Integrated Resource Plan to Clean Energy Plan

# Long-term Resource Study Plan



**20-year planning horizon**  
Plexos optimization  
software to plan resource  
growth

- Optimization ensures least-cost, least-risk planning to meet all requirements
- Study method is consistent with the 2023 Integrated Resource Plan



## Clean Energy Plan (CEP) Portfolio Development Stages

1

2023 IRP preferred portfolio

2

Create CEP portfolio by adding small-scale resources to meet 2030 and beyond 10% Oregon requirement

3

Finalize CEP with additional emissions reduction pathways to achieve 2030 and beyond Oregon emissions targets

# Integrated Resource Planning to Clean Energy Plan

1

## **Stage 1 - 2023 IRP preferred portfolio**

- Ensures least-cost, least-risk portfolios
- Retains systemwide benefits for Oregon customers
- Recognizes interdependence of all states
- Avoids displacing other states' resources

2

## **Stage 2 - Small-scale requirement portfolio**

- Provides a clear view of the small-scale requirement and achievement
- Small-scale additions belong to Oregon
- Results in more renewables than alternative approaches
- Additional renewables are easily justified based on Stage 3 analysis
- Hedge against procurement challenges
- Anticipates continuing state and federal legislation on the same trajectory
- Outcomes roll into future IRP/CEP cycles



# Integrated Resource Planning to Clean Energy Plan

3

## Stage 3 – Final compliance pathways

- Recognizes the remaining modest gaps to meeting emissions targets
- Recognizes the role of ongoing processes (regulatory and stakeholder feedback)
- Progress toward targets 2030 and beyond will continue to evolve
- Additional pathways and analysis will emerge

# Community-Based Renewable Energy (CBRE) Grant Straw Proposal



# Summary of CBRE Commitments

- 1. Continued Assessment of Needs and Opportunities (Expand the CBRE Potential Study)**
  - Continue to advance CBRE initiatives through community input and engagement groups
  - Develop and conduct a survey to further assess community interest in CBRE projects and initiatives
  - Update CBRE Action Plan based on continued learnings
- 2. Develop straw proposal for expansion of the Community Resilience Battery Storage Pilot** focused on community resilience hubs **for consideration by the end of 2023.**
- 3. Explore opportunities to leverage public funding** to advance CBRE opportunities
- 4. Build tools and awareness to assist communities and stakeholders** in connecting to CBRE processes, initiatives, and programs as they develop

# A Sample of Survey Responses

Current Actions	Actions in Development	Possible Future Actions
Surveys/Questionnaires, Interviews	Utilize Online Platforms, Social Media Channels	Media outreach: raise program awareness, stimulate interest
Feedback tracking	Outreach to applicants of other funding opportunities	Partnerships with schools, universities
Language and Cultural Sensitivity	Socialize the outcomes of CBRE project development	Energy Fairs, Cultural Events and Festivals
Transparent Communication	Generate post-engagement infographics and summaries	Online Engagement Platforms and Gamification
Online workshops and opportunities	Focus on organizations that “could realistically put together a project/proposal”	Motivate engagement through a “sense of value”

# Strategic Thinking/Considerations

Engage partners to better understand amount/type of community needs/interests

Evolve the existing Battery Storage Grant Pilot Program to address learning needs

Grant Pilot will serve as one of several aspects of CBRE development strategy

Provide communities with technical studies for consideration of increased critical facility resilience  
(which can also be leveraged when seeking external grant awards)

Consider mechanism to provide matching funds for communities  
seeking external grant awards for critical facilities

Support CBRE project design and installation to allow for learning opportunities  
and to pair grid benefits with community benefits

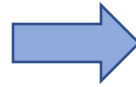
# Oregon's Changing Landscape

There are multiple new programs and funding sources that are focused on community resilience:

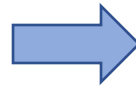
- **Increased/Expanded funding** of existing resilience programming:
  - Now \$70M in ODOE Grant funding for Community Renewable Energy Grant Program (C-REP)
  - Additional \$10M added to ODOE Solar + Storage Program
  - New Battery Storage Incentive programs (under development)
  - ODOE-led Solar for All federal grant application (under consideration)
- **Recent legislation** targeting resilience funding (e.g.: HB 3630, HB 3409)
- **Additional Support** for Community Projects:
  - ETO's Community Pipeline Program to provide grant writing assistance for FEMA funding
  - ODOE's Community Navigator position

# Straw Proposal Recommendations

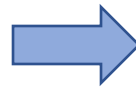
- 1. Pursue opportunities to elevate the battery storage component of planned and existing projects to provide grid-enabled system-wide benefits and learning outcomes**
- 2. Support additional communities to better understand costs and technical requirements of increased resilience by providing feasibility studies to critical facilities**
- 3. Establish a mechanism to provide matching funds for communities seeking external grant awards for resilience at critical facilities**



Advances projects with grid-enabled storage “across the finish line” as soon as possible so takeaways & learnings can be shared with other communities



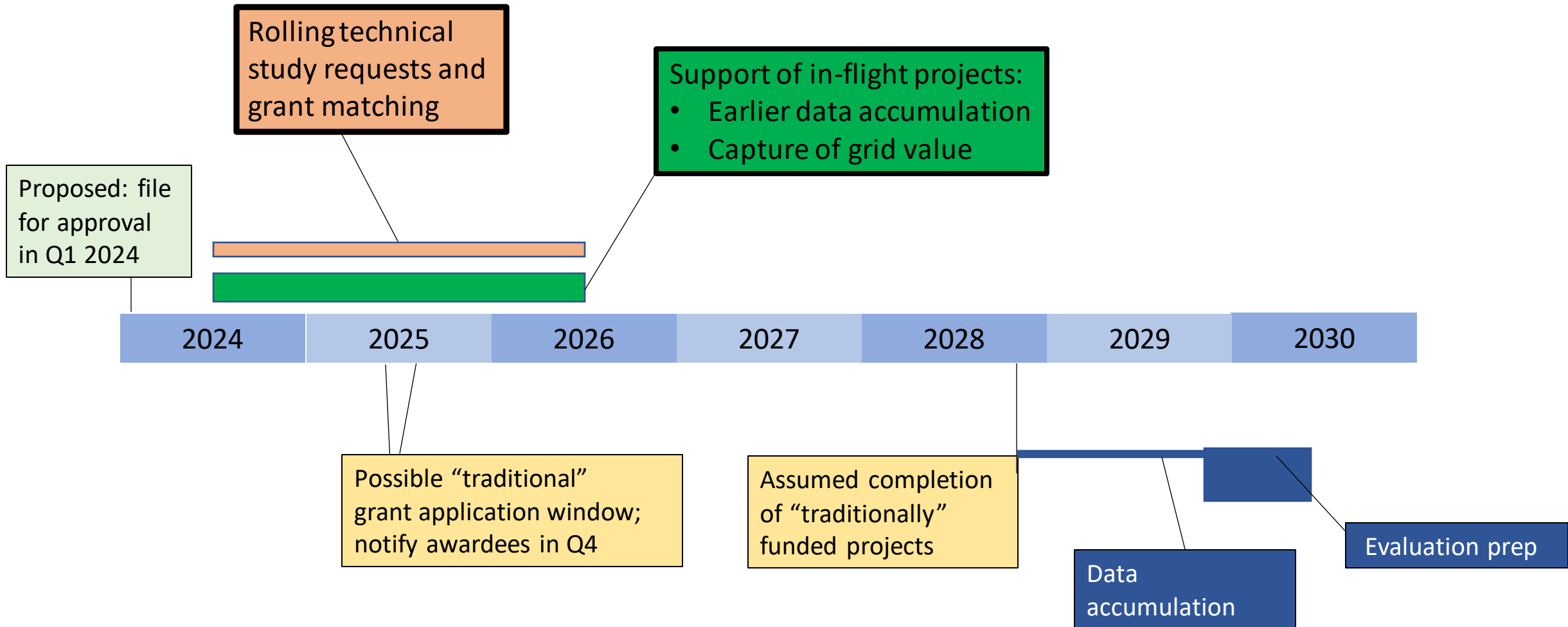
Provides a mechanism of support for communities that have yet to get started on CBRE development



Assist communities as they take advantage of existing funding opportunities

4. Consider direct grant funding after the first annual Pilot Program review (resilience and locational benefit selection criteria yet to be finalized)

# Timeline Considerations





# Recommended CBRE Pilot Program Design

## Intended Pilot Outcomes:

- **Achieve articulated learning goals** outlined in original Grant Pilot
- **Support for communities** as they pursue grant funding opportunities for CBRE projects
- **Alignment with other efforts** underway to advance community resilience projects (C-REP grants, recent legislation)
- Specific **focus on grid-connected storage** for DR/grid support and “case study” learnings (How can it be utilized to support Grid Ops? What value does it have?)

## High-level Framework:

- Three Components to the CBRE Grant Pilot structure:
  1. Provide technical feasibility studies for communities to learn more/seek external grant awards
  2. Support “in-flight” projects/programs to ensure grid-enabled system benefits and learning outcomes
  3. Create a mechanism to provide grant matching for communities seeking external awards
- Leave open the possibility of also funding projects with “traditional” grant awards
- Continue focus on community resilience (resilience hubs) opportunities in vulnerable communities at critical facilities
- Anticipate an initial 2 years of support for technical feasibility studies (10– 15 assessments/year)
- Continue to use third-party vendor to support technical assessments and application review

## Potential Funding for Initial Spend:

- Approximately \$1M still available from current Grant Pilot
- Potential additional request of \$1-\$2M for project advancement: battery storage system additions and upgrades, grant matching, possible future direct awards
- Anticipated 10-15 feasibility studies annually for 2 years: est. \$400-\$600K

1. Are there any initial responses to this conceptual framework?
2. Guardrails will be reconsidered for the provision of feasibility studies and grant-match funding. Recognizing the time-sensitive nature of many of these requests, how might we consider these strategies?
  - Prioritized community need, using localized resilience metrics
  - Overall "benefits" of the project (to the grid, community, etc.)
  - Unique aspects of the project
  - "First come, first served"
  - Others?

Please submit comments to: [OregonCEP@PacifiCorp.com](mailto:OregonCEP@PacifiCorp.com)

The next opportunity for updates will be the  
October CEP Engagement Meeting (planned for 10/27)

BREAK



# Small-Scale Renewable Procurement



# Small-Scale Renewables

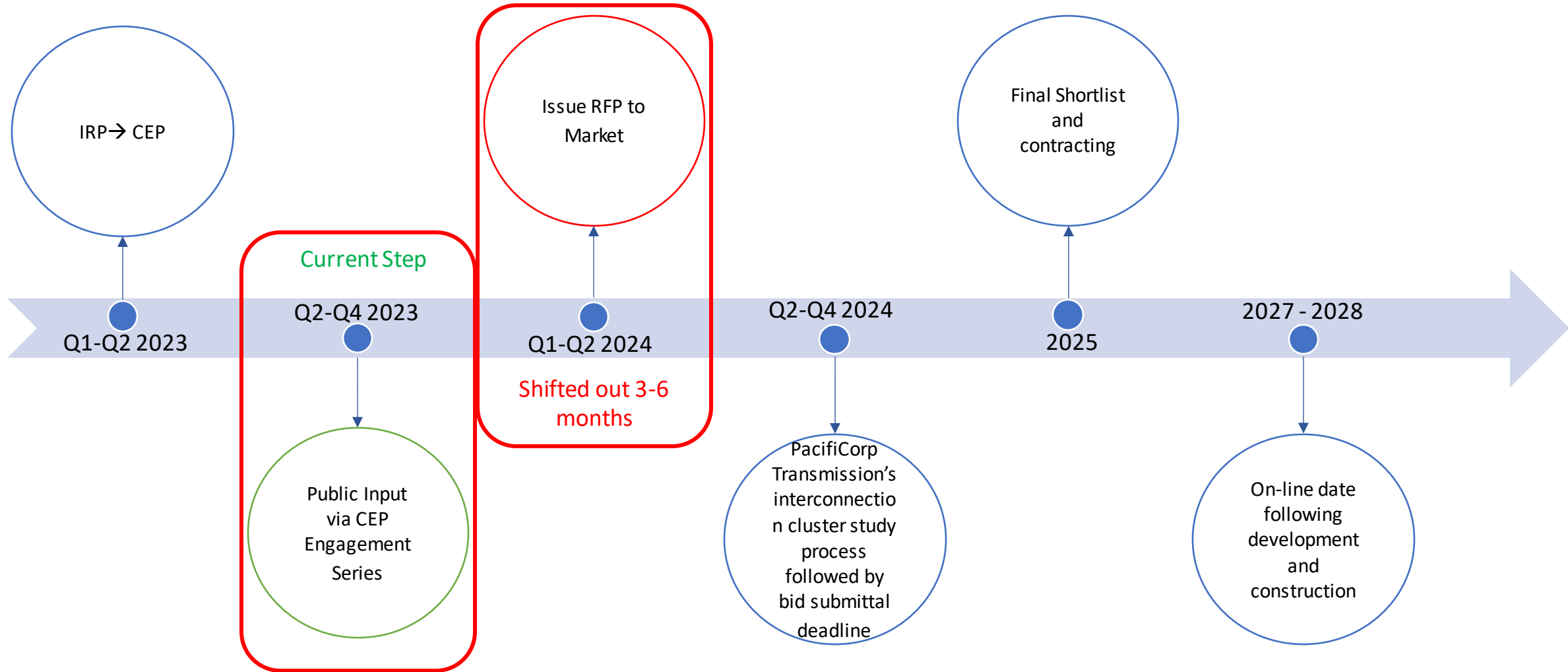
- Small-Scale Renewable (20 MW or less) requirement is 10 percent of the company's generation portfolio for Oregon
  - PacifiCorp will need to procure 490 MW by 2030
- HB2021 (Section 37) defines eligible small-scale renewables as:
  - (a) Small-scale renewable energy projects with a generating capacity of 20 megawatts or less that generate electricity utilizing a type of energy described in [ORS 469A.025](#); or
  - (b) Facilities that generate electricity using biomass that also generate thermal energy for a secondary purpose.



# Small-scale Renewable Procurement – Stakeholder Engagement

Milestone	Date	Comments
2023 Integrated Resource Plan (“IRP”) published	March 31, 2023	490 MW of small-scale resource need identified by 2030.
Clean Energy Plan published	May 31, 2023	Small-scale request for proposals (“RFP”) targeted for Q4 2023 with bids due later in 2024 or early 2025
Clean Energy Plan Engagement Series (2 <sup>nd</sup> Meeting)	April 28, 2023	CEP portfolio analysis, including small-scale resources and small-scale renewable (“SSR”) portfolio results
Clean Energy Plan Engagement Series (3 <sup>rd</sup> Meeting)	June 23, 2023	SSR RFP schedule update and introductory discussion
<b>Current Step</b> Clean Energy Plan Engagement Series (4 <sup>th</sup> Meeting)	August 25, 2023	RFP update: schedule, eligibility and contracting
Clean Energy Plan Engagement Series (5 <sup>th</sup> Meeting)	October 27, 2023	SSR RFP contracting and valuation discussion

# Small-Scale Procurement Timeline



# Small-Scale Request for Proposals

## Contracts

- No individual negotiation of contractual terms to ensure timely execution across multiple contracts
- Standard form power purchase agreement (“PPA”) contract based upon a modified pro forma PPA (Exhibit E-2) from PacifiCorp’s 2022 all source request for proposal (“2022AS RFP”) to address specific issues for small-scale renewable resources

## Eligibility

- Eligible technologies consistent with ORS 469A.025
  - Excludes behind the meter, energy storage, microgrids, demand response, and other energy related infrastructure which are not included in the renewable portfolio standard (“RPS”) statute
- 3 megawatts (“MW”) minimum size to ensure Energy Imbalance Market (“EIM”) eligibility
  - Smaller resources and Community Based Renewable Energy (“CBRE”) projects may be considered separately
- Bids which can be online (commercially operational) by December 31, 2028
- PPA bids only; no build transfer agreement bids
- Completed site control and interconnection study is required
- Collocation/proximity rules based on PURPA (FERC order 872)
- On-system bids may be located throughout PacifiCorp’s service territory. No off-system bids

## Oversight

- PacifiCorp may offer benchmarks to support 2030 compliance
- PacifiCorp plans to hire an independent evaluator



# Next Steps

Milestone	Date	Comments
Clean Energy Plan Engagement Series (5 <sup>th</sup> Meeting)	October 27, 2023	SSR RFP contracting and valuation discussion

# Resources for Prospective Participants

# Small-Scale Procurement - Participant Resources

## Resources for Interested Participants

- Individuals or organizations offering projects or facilities (“resources”) 3 MW and smaller may pursue QF contracts by following the following tariff steps found at Pacific Power’s QF website:  
[Qualifying Facilities \(pacificpower.net\)](https://www.pacificpower.net/savings-energy-choices/customer-generation/qualifying-facilities.html)  
<https://www.pacificpower.net/savings-energy-choices/customer-generation/qualifying-facilities.html>
- Developers looking to present their 3-20 MW projects to the utility as an asset sale may contact: [benchmark@pacificcorp.com](mailto:benchmark@pacificcorp.com)
- For resources greater than 3 MW, additional development and construction resources may be available via the following Oregon organizations:

Energy Trust of Oregon

[Renewable Energy - Energy Trust of Oregon](https://www.energytrust.org/renewable-energy/)

<https://www.energytrust.org/renewable-energy/>

[Find a Trade Ally Contractor - Energy Trust of Oregon](https://www.energytrust.org/find-a-contractor/)

<https://www.energytrust.org/find-a-contractor/>

Solar Oregon

[Solar Oregon | Connecting Oregonians to Solar Information and Services](https://solaroregon.org/)

<https://solaroregon.org/>

## RFP Notification

At the time the RFP is issued, PacifiCorp will take the following three steps:

1. Notify its RFP stakeholder list.

To be added to PacifiCorp’s RFP stakeholder list, please send an email to one of the following email addresses:

QF Requests      [QFRequests.SharedMailbox@pacificcorp.com](mailto:QFRequests.SharedMailbox@pacificcorp.com)

2022AS\_RFP      [2022AS\\_RFP@PacifiCorp.com](mailto:2022AS_RFP@PacifiCorp.com)

2. Create an “SSR RFP” website.

A small-scale renewable information website will be added to PacifiCorp’s Request for Proposals website here:

[Energy Supply Request for Proposals \(pacificcorp.com\)](https://www.pacificcorp.com/suppliers/rfps.html)  
<https://www.pacificcorp.com/suppliers/rfps.html>

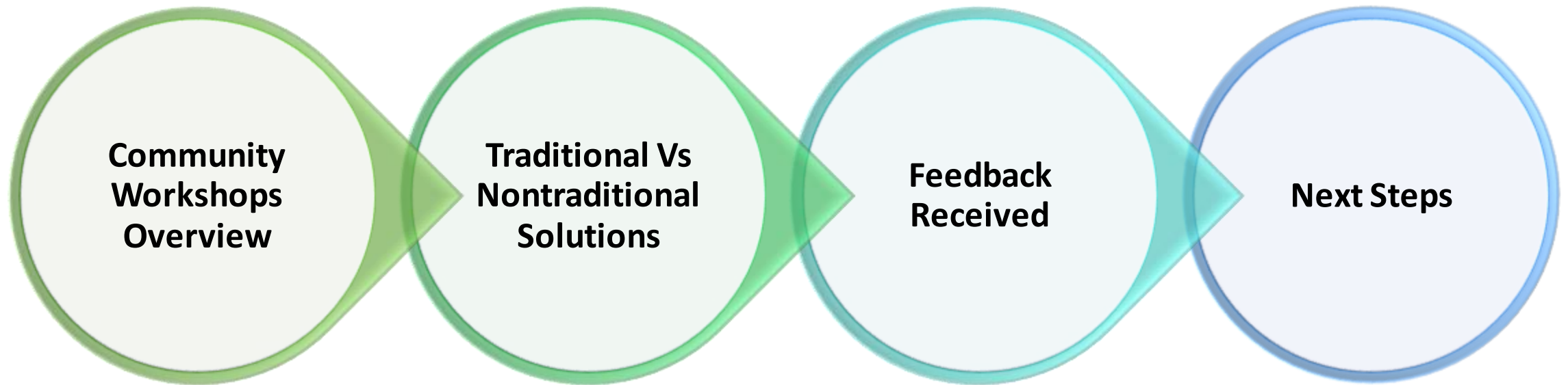
3. Host a Bidder Workshop.

PacifiCorp will provide notice of the workshop date and how to participate. This information will be sent to the CEP stakeholder group, the RFP stakeholder list, and to the small-scale renewable website.

A woman with dark curly hair, wearing a purple short-sleeved top and a black belt, is smiling as she adjusts a glass bell-shaped pendant light fixture. She is holding the bottom of the glass shade with both hands. The light fixture has a white globe inside. In the background, there is a kitchen with wooden cabinets, a stainless steel refrigerator, and another similar light fixture hanging. In the foreground, a bouquet of yellow and pink flowers sits on a countertop. A semi-transparent dark grey box with white text is overlaid on the lower left side of the image. A red triangle with white lines is in the top right corner.

# Distribution System Planning Update

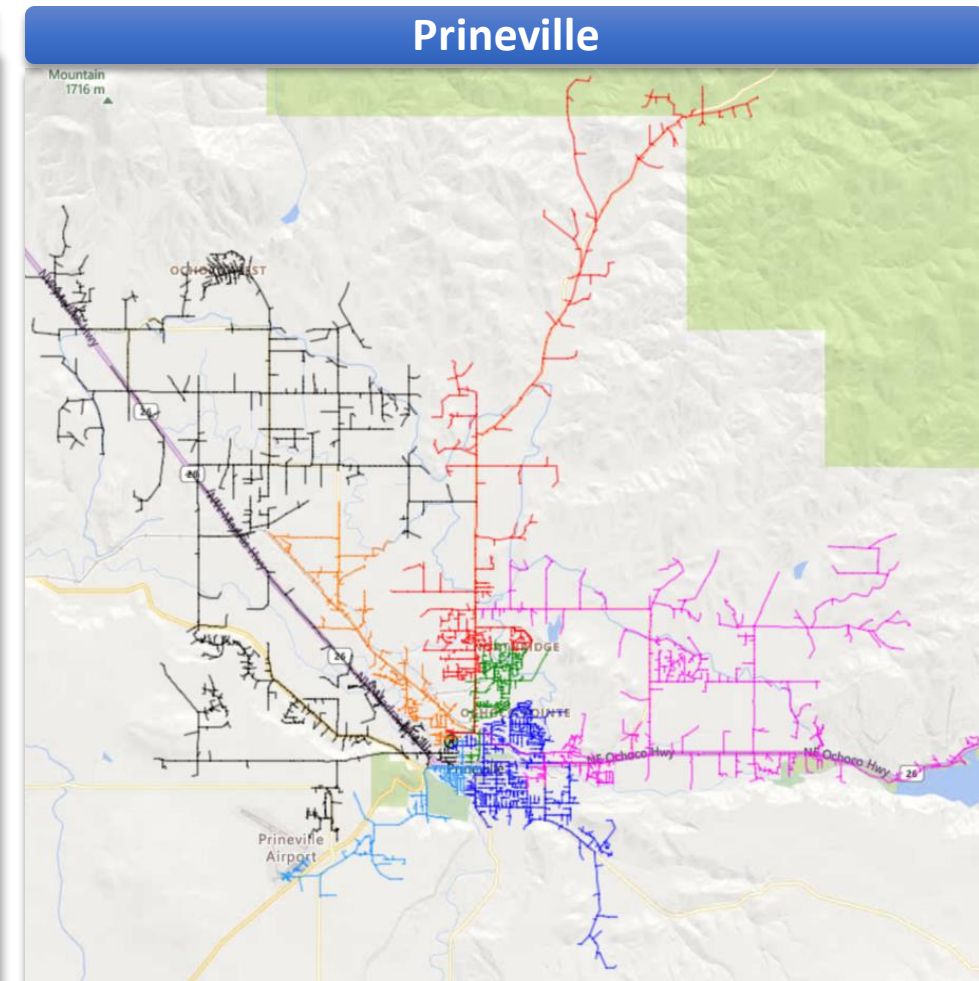
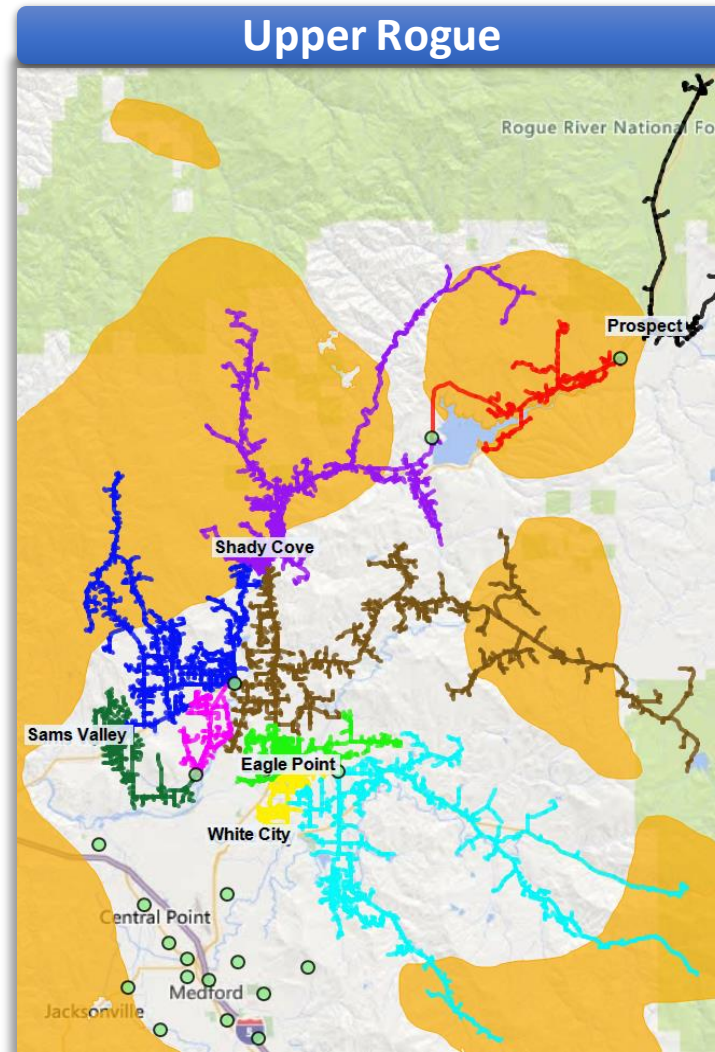
# What We Will Cover Today



# Upper Rogue and Prineville Community Workshop Overview

## Workshop Topics

- Important background from previous workshop
- Grid needs overview
- Traditional/nontraditional solutions overview
- Study area grid needs and solution options
- Wildfire mitigation update (Upper Rogue)



# Traditional Vs Nontraditional Solutions

## Traditional Solutions

*Address grid needs with poles, wires, equipment*

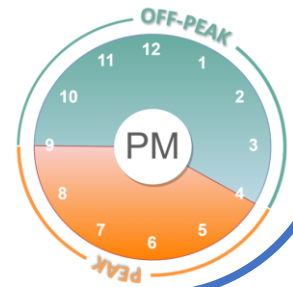
- Equipment Upgrades
- New Equipment
- New Substation or Circuit
- Load Transfers
- Phase Balancing
- Settings Changes



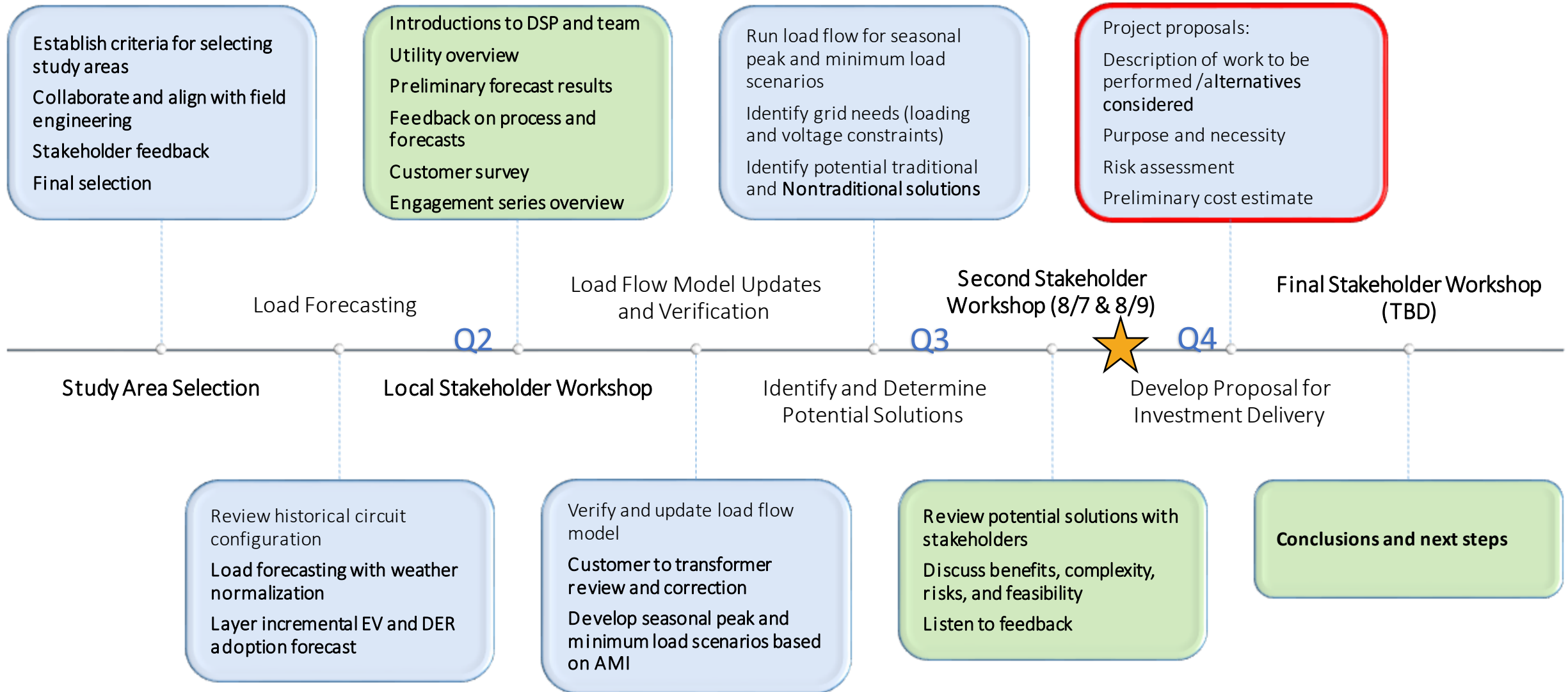
## Nontraditional Solutions

*Address grid needs through energy programs*

- Focused solar adoption
- Focused energy efficiency improvements
- Managing behind the meter devices to lower peak demand:
  - Batteries
  - Smart Thermostats
  - Water Heaters
  - EV Charging Stations
- Collaboration with local accounts/partners



# 2023 Study Process and Community Engagement

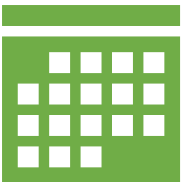






# Community Engagement

# Engagement Road Map



Stakeholder +  
Tribal Nations  
Meetings



Solidifying integrated  
engagement strategy  
and approach



Continue work to  
develop equity lens  
across service areas



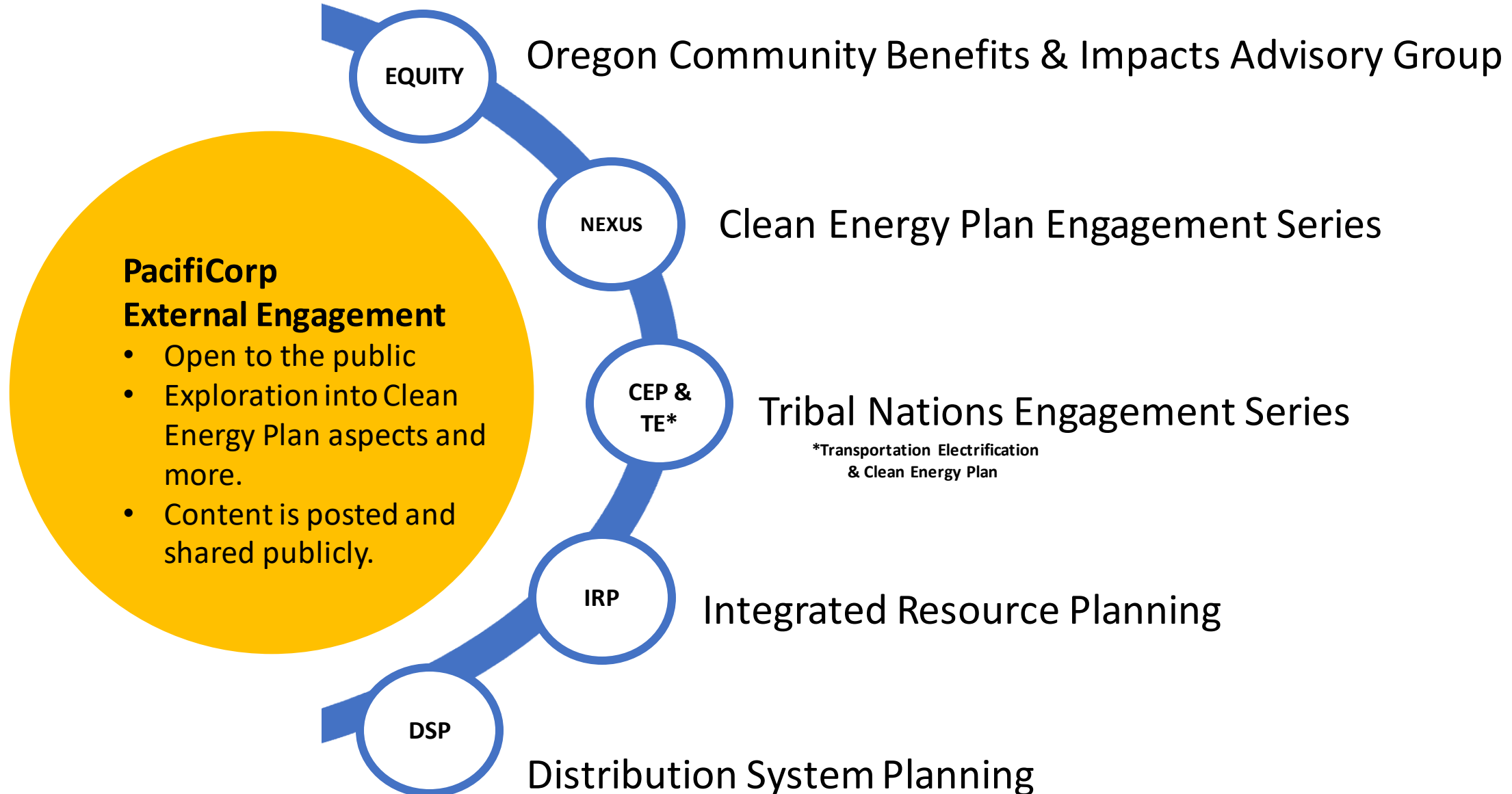
Develop ways to  
**measure** outcomes  
and benefits to our  
communities.

# Engagement Impacts

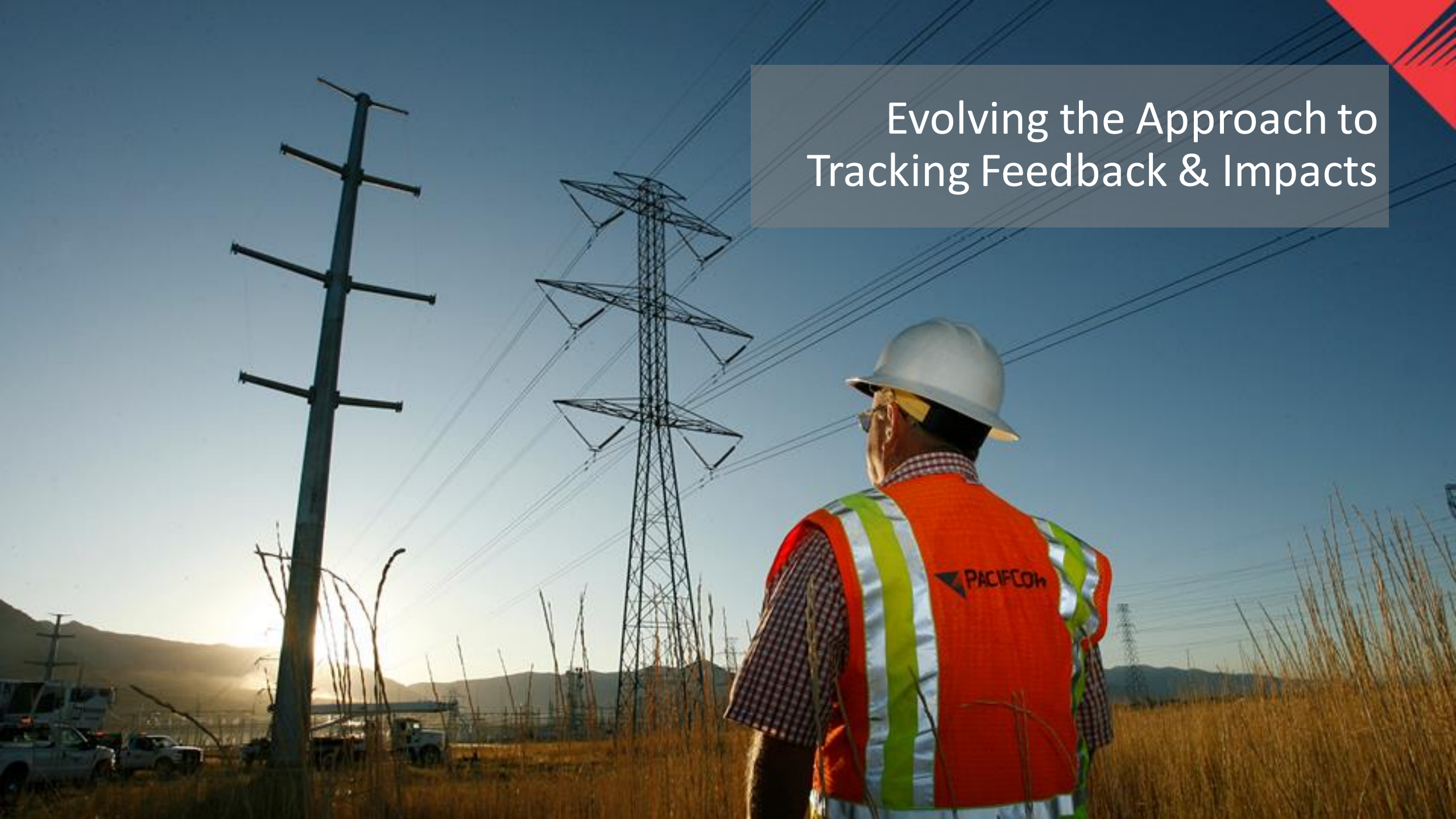
- Growing number of engagement spaces, meaningful engagement outcomes
- Inspire new tools and approaches for how we communicate and expand our outreach.
- Building new relationships and amplifying opportunities for collaborations.
- Input shapes how we deliver programs and information on them
- Community voices influence how we think about planning.
- Subject Matter Experts want to connect with the CBIAG, Tribal Nations Engagement Group, and more.



# Engagement Venues



# Evolving the Approach to Tracking Feedback & Impacts



# Pacific Power Feedback Repository Guiding Principles

Pacific Power listened to input provided through various engagements, and created the Feedback Repository to encompass the following themes heard:



## Easy to Navigate

The Feedback Tracker allows for easy navigation. You can filter by workgroup, meeting date and topic category



## Public Facing

To increase transparency, the Feedback Tracker will be published online and updated regularly



## Input Opportunity

By using this format, the public has additional opportunities to provide input and ask questions to our SMEs

# Key Updates to Feedback Tracking

**Heightened focus on providing how the feedback impacted Pacific Power activities**

Public Facing					
Engagement	Date	Category	Feedback	Response	Impact(s)
CBIAG - Community Benefit & Impacts Advisory Group	December 2022	Customer/Community Benefit Indicators (CBIs)	Are resiliency hubs or community hubs within scope of this? Are things like resiliency hubs a metric that would be in scope? So not just outages but also how equipped a community is to weather through an outage?	PacifiCorp stated that they will have to investigate that.	Resiliency hubs are being considered within the context of Community Based Renewable Energy (CBRE) projects. Discussion of resiliency hubs was subsequently incorporated into PacifiCorp's CEP. Depending on forthcoming stakeholder input regarding CBREs and resiliency hubs, metrics specific to resiliency hubs may be warranted.
CEP - Clean Energy Plan Engagement Series	February 2023	Customer/Community Based Renewable Energy (CBRE)	How is PacifiCorp thinking about CBRE benefits compared to the larger system?	PacifiCorp's John Rush responded that is the reason modeling, and input on the model, is important. The modeling will inform on system level benefits and impacts.	PacifiCorp has since advanced its thinking on the potential benefits of CBRE projects across the grid. Internal collaboration is raising the possibility of folding CBRE projects into Battery Demand Response programming. A developing CBRE Grant Straw Proposal is currently in development that reflects this potential.

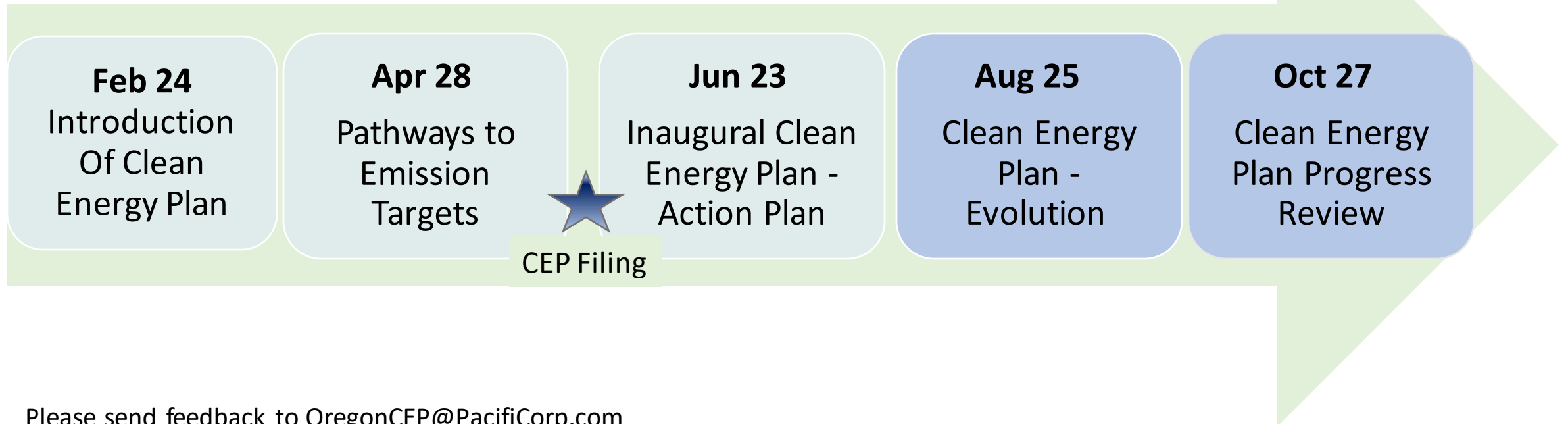
**Limited and consistent naming conventions for ease to filter on specific information**

# Public Comment



## Clean Energy Plan Engagement Series

Cadence of focused, detailed sessions on intersectionality of clean energy planning topics



Please send feedback to [OregonCEP@PacifiCorp.com](mailto:OregonCEP@PacifiCorp.com)

# Appendix