

Community Benefits & Impacts Advisory Group

Reboot on Community Benefits Indicators

Fourth CBIAG Meeting
January 19, 2023



Reboot on Community Benefit Indicators

January 19, 2023, 1-4 p.m. 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

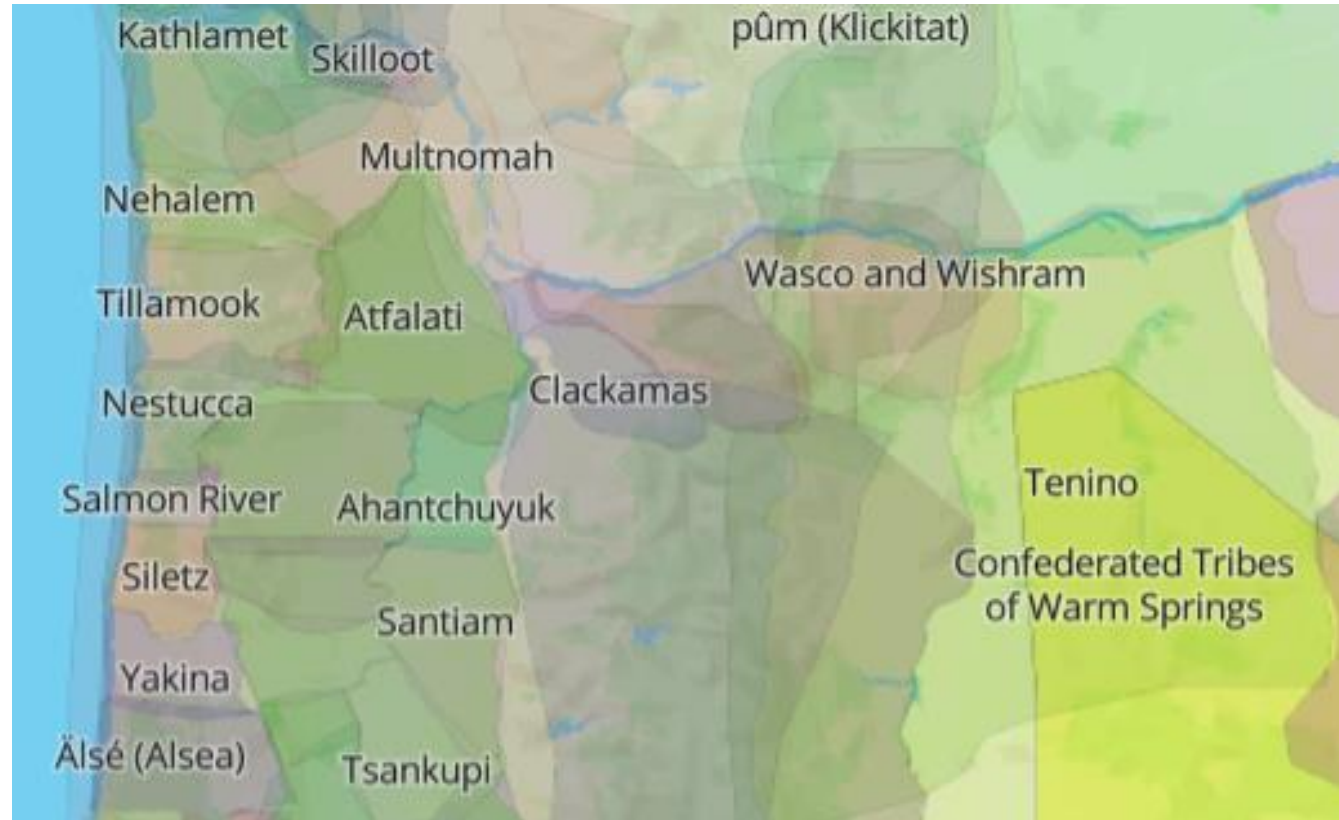
TIMING	TOPIC
1 pm	<ul style="list-style-type: none">• Land Acknowledgement• Check in• Debrief & Objectives
1:30 pm	Proposed Interim CBI: <ul style="list-style-type: none">• Energy Equity• Resiliency
3:00 pm	Break
3:10 pm	Charter Validation
3:45 pm	Public Comment
3:50 pm	Summary and Next Steps

Land Acknowledgement

Meeting online from various locations within the United States

To learn about the original stewards of the land where you are now, this is a wonderful resource:

 Native Land Digital
<https://native-land.ca>



By acknowledging Indigenous peoples and tribes, their traditional homeland ties are renewed and reaffirmed

PacifiCorp Presenters



Lee Elder
Load Forecasting
Manager



Christina Medina
Stakeholder Policy &
Engagement Manager



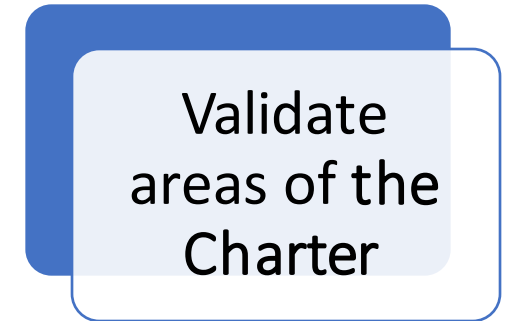
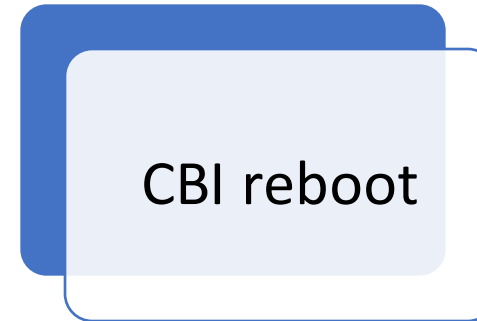
Lisa Markus
E Source Managing
Director & Facilitator

What is important to you and your community in 2023?

Today's Objectives


Debrief from December's Meeting

- Doubled down on the **value** of delivering content in a way that can be better understood.
- **Shared** concern that the Community Benefit Indicator topic was confusing.
- Recognize that we were asking you for **advisory** support – and we need to create more significant opportunities for input.
- Simplify our language to improve greater content **accessibility** in our shared space.



Equity: What we heard

- Start with who has historically been left behind
- Remember that equity looks different in each community
- Look where traditionally we have not (beyond the Census)
- Invite people to the table who have traditionally been left out
- Incorporate "lived experience" of the community in decision making
- Identify and define what access looks like
- Consult experts and conduct an assessment
- Set goals

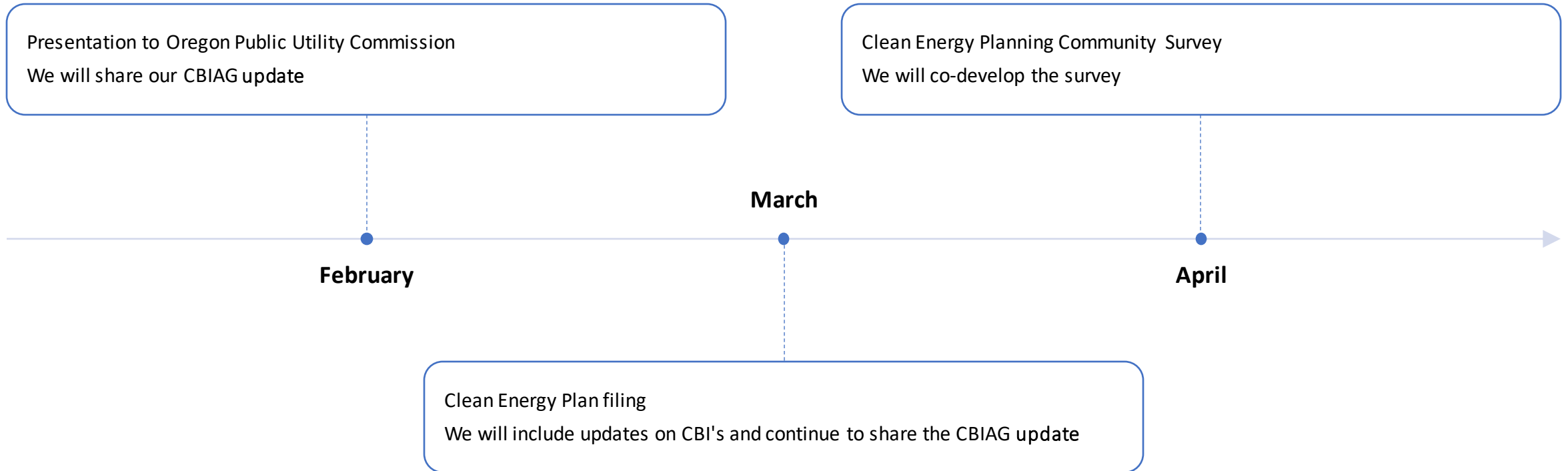


“No solution
about us
without us.”

Disability Rights Activist
James Charlton

SOURCE: December 15, 2022, CBIAG check in and member feedback

2023 Early Roadmap/Timeline



CBI Reboot

Finding our way



Topic Exploration

Together we can explore our measurements of equity.

Community Benefit Indicators (CBI)

- A work in progress.
- On- going process which will happen over time.
- We are seeking REAL community benefits and impacts and effective measurement along the way.

CBIAG Feedback

We want to hear what has worked for you when measuring equity in your role.

Oregon Community Benefits and Impacts

Your input will help balance and shape the evolution of Community Benefit Indicators (CBI). We will be learning from each other and sharing the story of our work together.

We received guidance to incorporate five main overarching categories into our CBI planning:



ENERGY EQUITY: Historic inequities are addressed



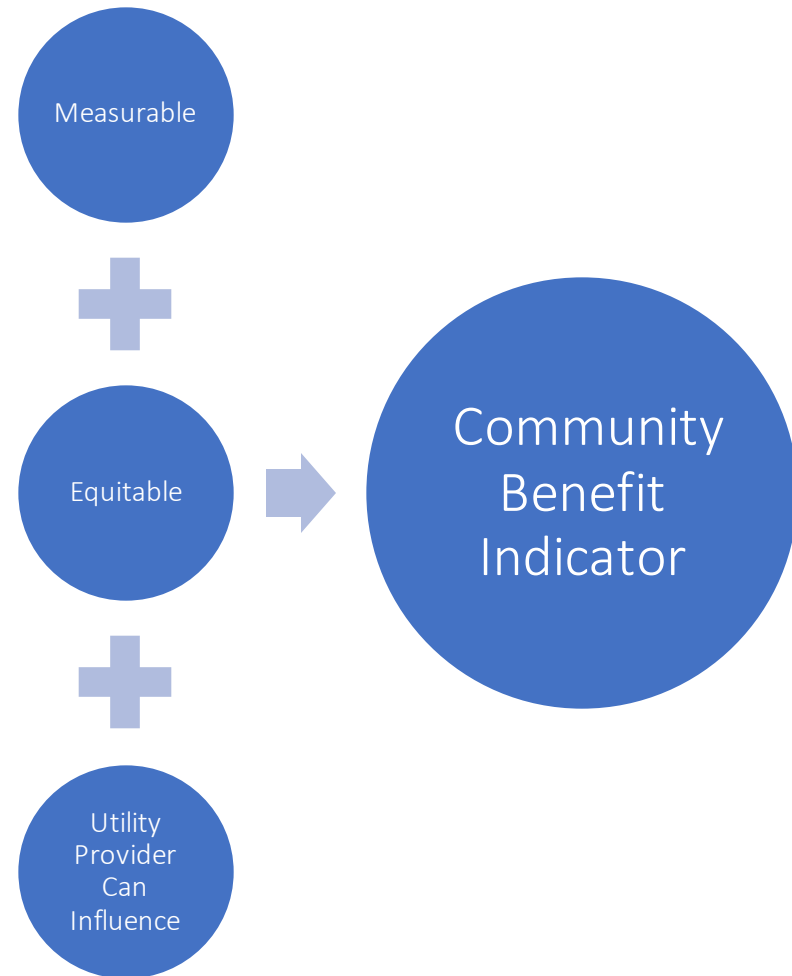
RESILIENCY: Energy supply is consistent & reliable

HEALTH & COMMUNITY WELLBEING: Improved physical, social, psychological health

ENVIRONMENTAL IMPACT: Less carbon emissions, improved air quality, less pollution

ECONOMIC IMPACT: Financial benefit (employment, business growth, economic development are realized and equitably distributed)

How can we determine a benefit from clean energy actions?



Measuring for "*Community Benefit Impacts*" is one way to gauge whether our transition is equitable.

In considering Interim CBIs, it's helpful to consider what we know about vulnerable populations:

ENERGY BURDEN

PacifiCorp defines high energy burden as customers spending 6% or more of their income on home energy costs. This coincides with the American Council for an Energy-Efficient Economy (ACEEE)'s definition of high energy burden.

Energy burden is higher for vulnerable populations:

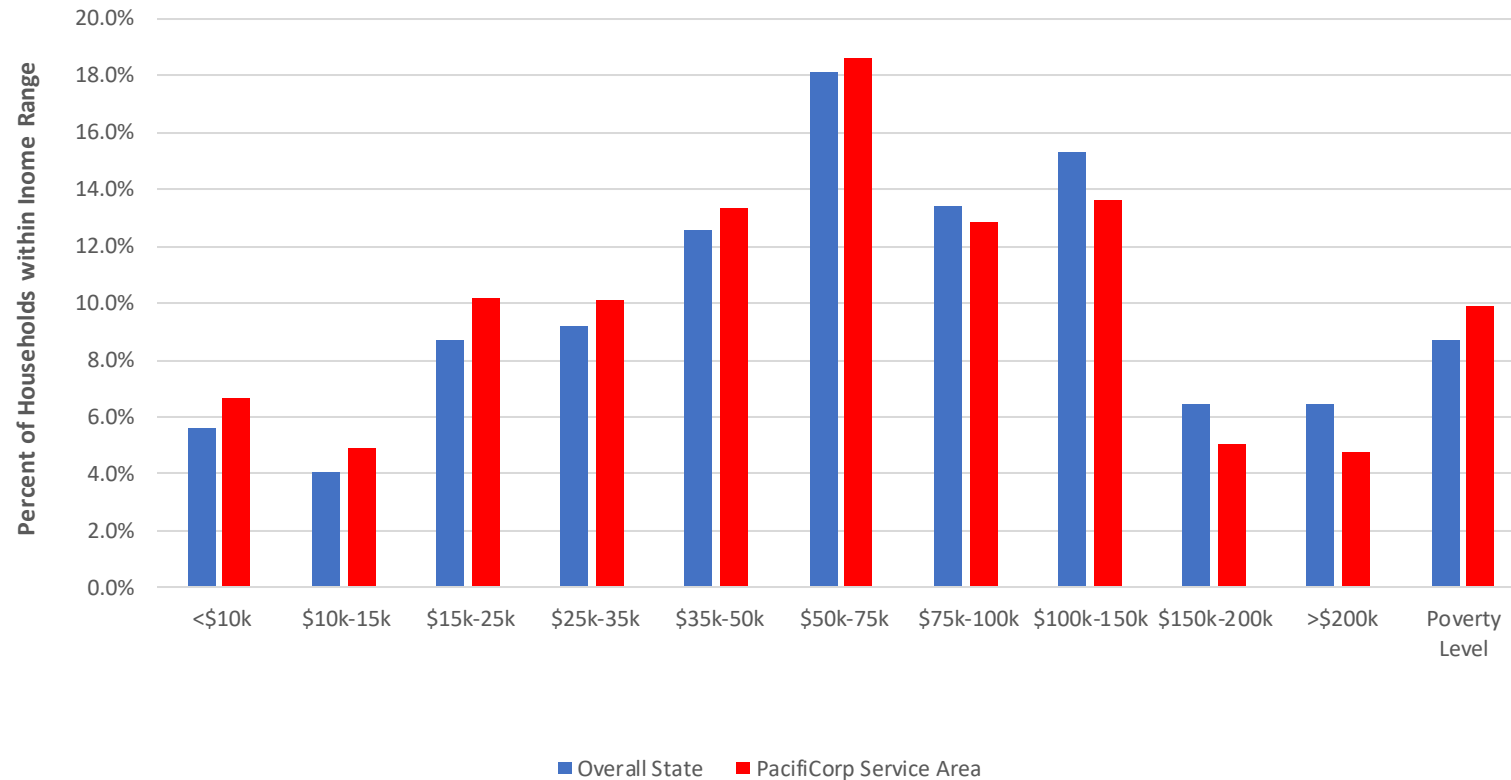
- Less income
- Energy bills are higher
 - Less energy efficient housing
 - More energy is needed to keep housing hotter or cooler (energy escaping, use of space heaters, etc.)

SOURCES: [Low-Income Community Energy Solutions | Department of Energy](#); Low Income Billing Assistance Program participants, from CBIAG / WA EAG experience & E Source research

Considering Energy Burden

CBI Category	PROPOSED INTERIM CBI	PROPOSED INTERIM CBI Metrics	Purpose
Rulemaking Language	Outcomes	How we Measure Outcomes	Why
Energy Equity (Distributional and Intergenerational Equity)	Decrease number of households experiencing high energy burden	Percent of customers suffering from high energy burden	Energy equity is concept that all member of society should be able to afford and have access to a necessary and basic amount of energy. Energy burdened households spend a disproportionate amount of their income on home energy costs. Tracking energy burden by Census Tract provides an indicator of energy equity for communities in PacifiCorp's Oregon service area.

Oregon Income and Poverty



- Income is necessary input for the calculation of energy burden
- PacifiCorp's service area has a higher proportion of impoverished households relative to the state overall
- Proportion of households with income greater than \$75K is lower for PacifiCorp's service area, relative to the state overall

Energy Equity: Measurement Methods

- Do you measure Energy Burden in your communities?
- Can you provide examples that work for you?
- How have you seen energy equity or inequity show up in the communities you support?

What is Resiliency & Reliability?

It's keeping the power on in vulnerable communities

Resiliency

the capacity to withstand or to recover quickly from difficulties; toughness.

Resiliency in energy:
preparedness of the system
and its ability to cope with
various hazards that can
disrupt electricity.

Reliability

*the quality of
being trustworthy or of
performing consistently well*

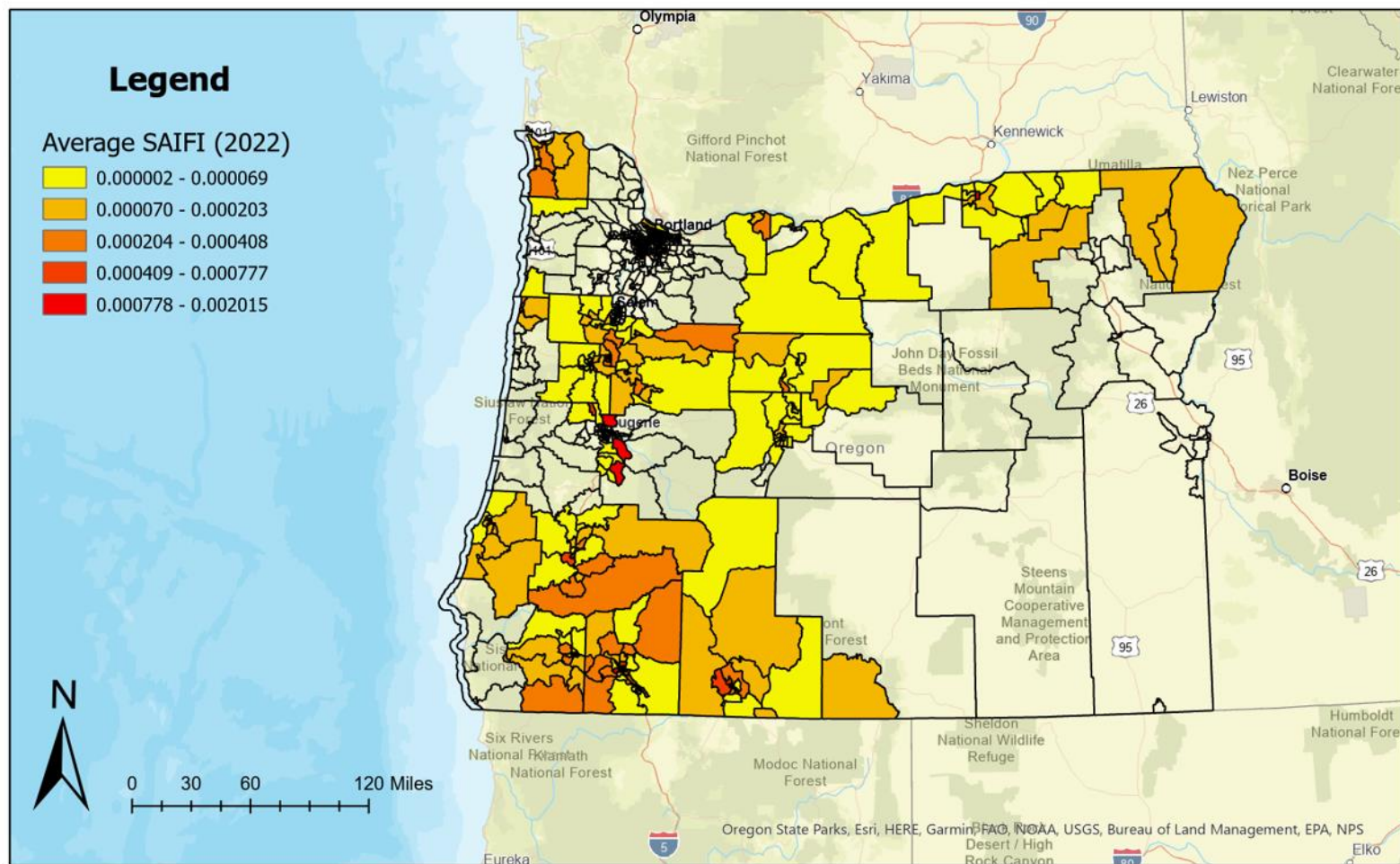
Reliability in energy:
availability of the electric
system when it is needed.

Considering Resiliency

CBI Category	PROPOSED INTERIM CBI	PROPOSED INTERIM CBI Metrics	Purpose
Rulemaking Language	Outcomes	How we Measure Outcomes	Why
Resiliency (System and Community)	Reduce frequency and duration of energy outages	Track customer power outage duration, frequency and length of time, geographically. (excluding major events)	Our tracking scores show how reliable and resilient areas of PacifiCorp's system are. Producing these metrics for Census Tracts are a start on the path to measuring how reliable and resilient our system is at the community level.

Resiliency/Reliability Score

Average Oregon SAIFI (2022) per Census Tract



- The average number of interruptions experienced per Census Tract
- Calculated for one year (2022) at the transformer level
- The average number of interruptions a customer experiences = System Average Interruption Frequency Index (SAIFI)
- This data starts to unfold a story about reliability and helps us find opportunities for greater equity and balance in the system.

Resiliency: Measurement Methods

- What are you using to measure resilience in your communities?
- Can you provide examples that work for you?
- What do you identify as a need to help communities recover after impacts?

Break

Charter Validation

Where are we in charter development?

Charter Timeline

DEC	JAN	FEB	MAR
Purpose / Vision Objectives / Outcomes Operating Guidelines	RECAP Purpose / Vision Objectives / Outcomes Operating Guidelines	Metrics & Measures Scope Membership Commitments	Draft Charter Review

DRAFT CHARTER PURPOSE & VISION

Each CBIAG member serves a community of those who have been left behind (Latine, rural, elderly, income challenged, disabled and others). When people are left behind, inequity is at work.

Equity requires trust between **givers** and **receivers** for:

- Listening to and involving communities in decision making
- Identifying root cause issues and generational poverty obstacles
- Being creative in solutioning and applying remedies with dignity and flexibility

So that we're building relationships and delivering benefits so that no one is left behind.



What we heard from you

FEEDBACK	DISCUSSION / RESOLUTION
<ul style="list-style-type: none">• Why are these groups being called out?• Could we use BIPOC?• Naming people can be offensive	<p>End the sentence before the parenthesis:</p> <p>"Each CBIAG member serves a community of those who have been left behind."</p>

Thoughts?

DRAFT CHARTER PURPOSE & VISION

Each CBIAG member serves a community of those who have been left behind (Latine*, rural, elderly, income challenged, disabled and others). When people are left behind, inequity is at work.

Equity requires trust **between givers and receivers** for:

- Listening to and involving communities in decision making
- Identifying root cause issues and generational poverty obstacles
- Being creative in solutioning and applying remedies with dignity and flexibility

So that we're building relationships and delivering benefits so that no one is left behind.



What we heard from you

FEEDBACK	DISCUSSION / RESOLUTION
Issue with "giver" and "receiver;" needs to be more participatory. Less passive and more empowering	Remove "between givers and receivers"

Thoughts?

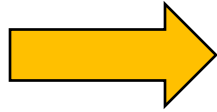
DRAFT CHARTER PURPOSE & VISION

Each CBIAG member serves a community of those who have been left behind. When people are left behind, inequity is at work.

Equity requires trust for:

- Meeting people where they are (geography, values, journey, etc.)
- Listening to and involving communities in decision making
- Identifying root cause issues and generational poverty obstacles
- Being creative in solutioning and applying remedies with dignity and flexibility

So that we're building relationships and delivering benefits so that no one is left behind.



What we heard from you

FEEDBACK	DISCUSSION / RESOLUTION
<p>How do we approach people according to what their values are?</p> <p>Meeting people where they are would apply across many perspectives of groups. Don't have to be a tree-hugging hippy to want stable temperatures in your home or clean air during a wildfire.</p>	<p>Add a new first bullet:</p> <p>"Meeting people where they are (geography, values, journey, etc.)."</p>

DRAFT CHARTER PURPOSE & VISION

Each CBIAG member serves a community of those who have been left behind. When people are left behind, inequity is at work.

Equity requires building trust to:

- Meet people where they are (geography, values, journey, etc.)
- Listen to and involve communities in decision making
- Identify root cause issues and generational poverty obstacles
- Provide transparency, creativity and flexibility in straightening the solution path



This will ensure relationships are built and benefits are delivered so that no one is left behind.

What we heard from you

FEEDBACK	DISCUSSION / RESOLUTION
What does “Navigating programs and resources mean in this context?”	Remove "navigation" language
Can we alter the systems to be easier to navigate? Can we straighten the path to make it easier to navigate?	Update language to reflect feedback

Thoughts?

Validating Charter Purpose / Vision

Do the suggested changes make sense?

Do you agree with this shared purpose / vision?

Check Out

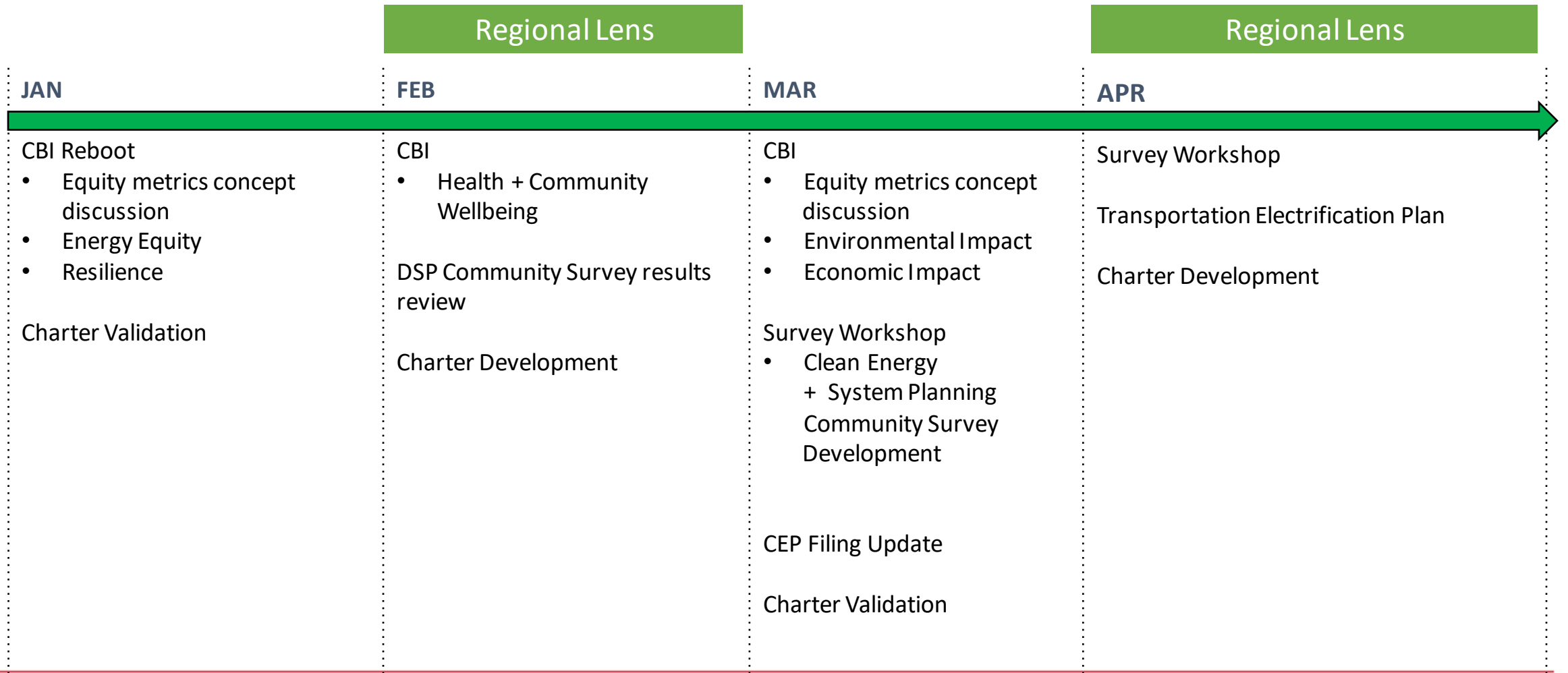
What was your biggest takeaway from today's conversation?

Public Comment

Distribution System Planning(DSP) Oregon Statewide Stakeholder Workshop

- Kick-off meeting for 2023 area study cycle
- Virtual(Teams) meeting February 17th 9:00 AM - Noon
- Preliminary Agenda:
 - DSP overview
 - Activities since PacifiCorp filed Distribution System Plan Part 2
 - 2023 planned activities
 - 2023 study area selection and process
 - Stakeholder and local engagement update
 - Statewide and local engagement meeting plans
 - CBIAG update
 - 2023 survey update
 - Clean Energy Plan update
- Email us at DSP@pacificorp.com to be added to the DSP distribution list

Proposed Upcoming CBIAG Topics and Meetings



CBIAG Calendar

February 16 (Hybrid)
280 Kenneth Ford Dr.,
Roseburg, Oregon



March 16 (On-Line)
[Oregon Community Benefits and Impacts Advisory Group](#)

April 20 (Hybrid)
Coburg City Hall
91136 N. Willamette St.,
Coburg, OR



For more information:

[Oregon Clean Energy Plan Updated Engagement Strategy](#)

Email comments to:

ORCBIAG@pacificorp.com

PacifiCorp Stakeholder Engagement

February 17
Distribution System Planning
[DSP Stakeholder Engagement](#)

February 25
Integrated Resource Planning
[IRP Public Input Process](#)

Appendix

Resiliency/Reliability Score Example #1

Census Tract	County	% of Population Hispanic or Latino	Mean CAIDI per Census Tract	Mean SAIDI per Census Tract	Mean SAIFI per Census Tract
41033361600	Josephine	5.9%	797.9	0.103	0.0002
41007950300	Clatsop	13.8%	732.5	0.101	0.0002
41053020400	Polk	4.7%	718.9	0.014	0.0000
41003010900	Benton	4.8%	670.6	0.006	0.0000
41047010600	Marion	5.3%	629.4	0.063	0.0003
41003000500	Benton	2.7%	617.2	0.003	0.0000
41043030500	Linn	3.9%	595.6	0.020	0.0001
41033361500	Josephine	4.1%	576.5	0.059	0.0001
41065970600	Wasco	15.7%	543.6	0.008	0.0000

Oregon Proposed Interim CBIs

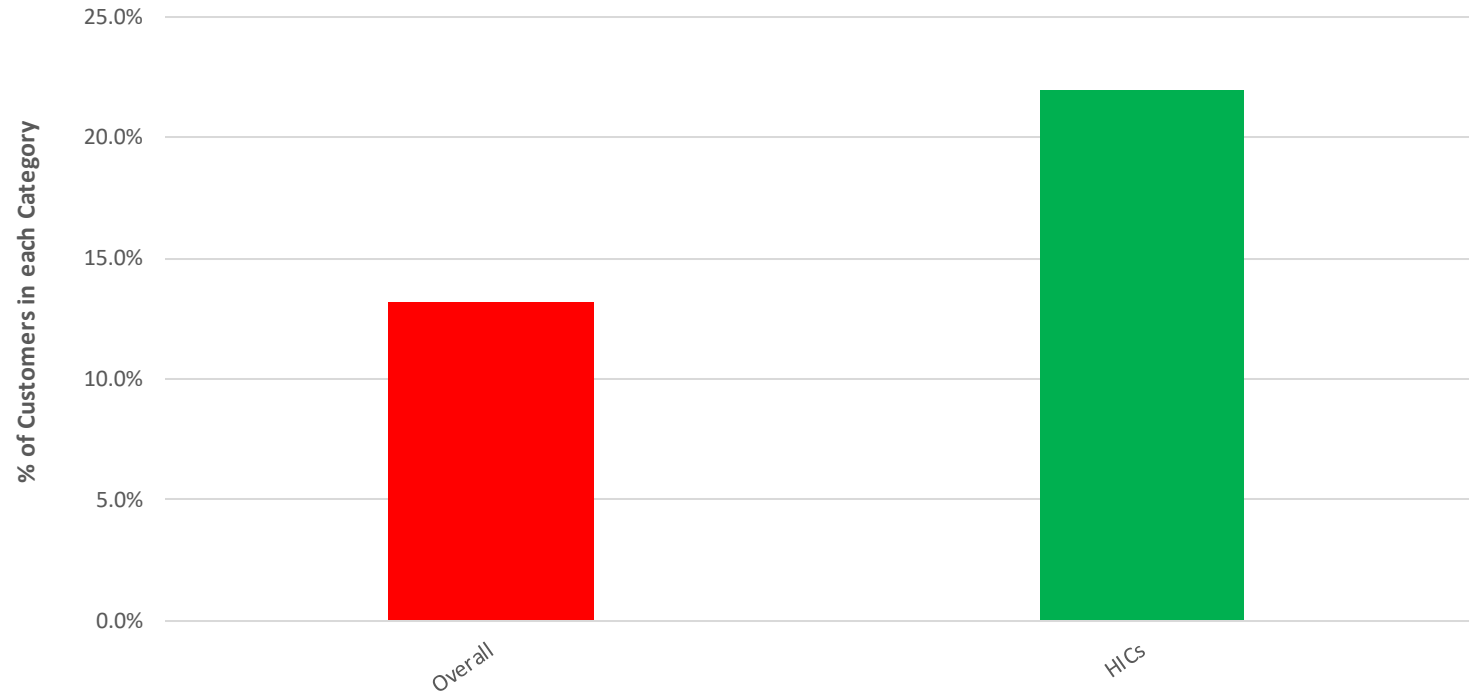
Customer Benefit Indicator Category	Interim Customer Benefit Indicators	Interim Customer Benefit Indicator Metrics	Purpose
Rulemaking Language	Outcomes	How we Measure Outcomes	Why
Resiliency (System and Community)	Reduce frequency and duration of energy outages	SAIDI, SAIFI, and CAIDI at area level including and excluding major events	SAIDI, SAIFI and CAIDI scores show how reliable and resilient areas of PacifiCorp's system are. Producing these metrics for Census Tracts will demonstrate how reliable and resilient our system at the community level.
Health and Community Well-being	Decrease number of residential disconnections	Number of residential customer disconnections	Access to energy affects the provision and sustainability of basic human needs. Disconnections could be the result of a customer's decision whether to pay utility bills or pay for other basic needs like paying rent, buying food, or purchasing prescription drugs. Tracking disconnections by Census Tract provides an indicator of how communities may be struggling with their basic needs.
Environmental Impacts	Increase energy from non-emitting resources and reduce CO2 emissions	<ul style="list-style-type: none"> Amount of renewables/non-emitting resources serving Oregon Oregon allocated greenhouse gas emission from Oregon allocated resources 	Reduce fossil fuel resources and increase renewable and non-emitting resources that currently power Oregon's grid, thereby leading to increased environmental benefits, such as reduced greenhouse gas emissions.
Energy Equity (Distributional and Intergenerational Equity)	Decrease number of households experiencing high energy burden	Percent of customers suffering from high energy burden	Energy equity is concept that all member of society should be able to afford and have access to a necessary and basic amount of energy. Energy burdened households spend a disproportionate amount of their income on home energy costs. Tracking energy burden by Census Tract provides an indicator of energy equity for communities in PacifiCorp's Oregon service territory.
Economic Impacts	Increase community-focused efforts and investments	Headcount of staff supporting program delivery in Oregon	The purpose of this CBI is to focus investments so that communities more equitably receive benefits. Impacts from these investments will have positive implications on communities.

Washington Customer Benefit Indicators (CBIs) and Metrics

CBI	Metric(s)
Increase culturally and linguistically responsive outreach and program communication	<ul style="list-style-type: none"> • Outreach in non-English languages • Percentage of responses to surveys in Spanish
Increase community-focused efforts and investments	<ul style="list-style-type: none"> • Workshops on energy related programs • Headcount of staff supporting program delivery in Washington who are woman, minority, or can show disadvantage for energy efficiency programs with exception to low income
Increase participation in company energy and efficiency programs and billing assistance programs	<ul style="list-style-type: none"> • Number of households/businesses, including named communities, who participate in company energy/efficiency programs • Percentage of households that participate in billing assistance programs • Number of households/businesses who participate/enroll in demand response, load management, and behavioral programs
Increase efficiency of housing stock and small businesses, including low-income housing	<ul style="list-style-type: none"> • Number of households and small businesses that participate in company energy/efficiency programs • Energy efficiency expenditures • Gas to electric conversions for Low-Income Weatherization program
Increase renewable energy resources and reduce emissions	<ul style="list-style-type: none"> • Amount of renewables/non-emitting resources serving Washington • Washington allocated greenhouse gas emission from Washington allocated resources • Number of public charging stations in named communities
Decrease number of households experiencing high energy burden	Number of customers suffering from high energy burden by: highly impacted communities, vulnerable populations, low-income bill assistance (LIBA) and Low-Income Weatherization participants, and other residential customers
Improve indoor air quality	Number of households using wood as primary or secondary heating
Decrease frequency and duration of energy outages	SAIDI, SAIFI, and CAIDI* at area level including and excluding major events
Decrease number of residential customer disconnections	Number of residential customer disconnections including disconnections within named communities

Number of households experiencing high energy burden

- PacifiCorp defines a customer as being “energy burdened” if they spend 6% or more of their income on home energy costs
- 13.2% of PacifiCorp’s Washington customers are energy burdened
- 22.0% of Washington customers within Highly Impacted Communities are energy burdened
- Currently developing energy burden estimates for Census Tracts in Oregon area



Acronym Index

Reliability Terms

SAIDI, SAIFI and CAIDI are industry standard metrics for measuring reliability - a component of resiliency and measured by Census track

- System Average Interruption Duration Index (SAIDI): The average outage duration for each customer
- System Average Interruption Frequency Index (SAIFI): The average number of interruptions a customer experiences
- Customer Average Interruption Duration Index (CAIDI): The average outage duration any given customer experiences