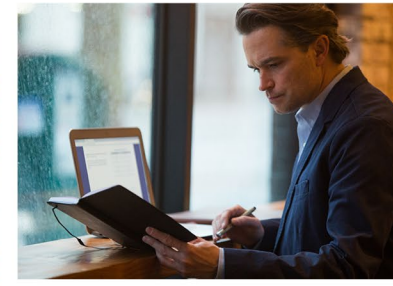


# Clean Energy Transformation Act

Washington Equity Advisory Group (EAG)  
July 2024 Meeting

July 11, 2024



# Washington Equity Advisory Group

1:00 - 4:00 pm PT, July 11, 2024

## For a Better Meeting Experience



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



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

## Agenda

TIMING	TOPIC
1:00pm	<b>Joint:</b> Objectives & Presenters
1:05pm	<b>Joint:</b> Check In
1:15pm	<b>Joint Recap:</b> Closing the Feedback Loop of June Meeting
1:30pm	<b>Joint Discussion:</b> Billing Logic Discussion (Cont.) & Path Forward
2:00pm	<b>Start of Equity Advisory Group Meeting</b>
2:05pm	Community Calendar
2:10pm	Net Metering
2:30pm	Break
2:40pm	Clean Energy Implementation Plan Annual Progress Report
3:15pm	Public Comment
3:20pm	Check Out, Summary & Next Steps

# Presenters



**Robert Meredith**  
PacifiCorp  
Policy Director,  
Pricing & Tariff



**Rohini Ghosh**  
PacifiCorp  
Regulatory Projects  
Director



 **Source**  
**Jeffrey Daigle**  
E Source Facilitator



**Nancy Goddard**  
PacifiCorp  
Sr. Program Manager



**Jay Olson**  
PacifiCorp  
Sr. Program Manager



 **Source**  
**Morgan Westberry**  
E Source Facilitator



**Kimberly Alejandro**  
Pacific Power  
Equity Advisory Analyst



 **Source**  
**Zanya Morgan**  
E Source Facilitator

# Check-In

What keeps you motivated to do the work that you do?

# Closing the Feedback Loop

# Joint Recap: June Meeting

## June Themes:

- Reviewed Pacific Power's Washington General Rate Case updates per Docket UE-230172
- Reviewed approach considerations for developing enhancements to the Low-Income Bill Assistance Program, Community-Based Organization Outreach Program, changes to Billing Logic and creating an Arrearage Management Plan

## Feedback Highlights:

- Members expressed an interest in weekly, hour-long meetings to continue the required work
- Aim to hear from the entire group in the form of share outs instead of the entire group agreeing on every detail
- Consider the implementation of "temperature checks" which gives an instant visual overview of the thoughts and feelings of every group member around a specific topic or idea

## Impacts:

- Using current engagement spaces to continue driving growth and building feedback into EAG and LIAG planning
- Providing milestones in larger prescheduled meeting spaces for those who cannot offer additional time
- Current proposed approach incorporates various suggestions surfaced in the last Equity Advisory Group Meeting (June 2024) and Low-Income Advisory Group Meeting (April 2024)

# Proposed Path Forward: Low-income Bill Assistance Working Group

- Standing weekly, hour-long meetings for members to increase transparency in program updates, continue conversations, raise concerns, and voice feedback
  - Zoom poll to identify the best day of week and time of day for sessions
- Utilizing Zoom features to take "temperature checks" during meetings to ensure full understanding and feelings about a topic or idea
- Supplemental recaps to relay working session discussions and progress made
- Members are allowed to invite other interested persons from their organization to the working sessions and broader, larger meetings at any time
- Proposal to work sequentially to hone specific topics before moving onto the next



# Proposed Timing & Topic Order

AUGUST 2024

- Working sessions will begin
- Four – one hour long sessions
- **Community-Based Organization Outreach Program / Low-Income Bill Assistance (Discount Tiers)**

SEPTEMBER 2024

- Working sessions will continue
- Four - one hour long sessions
- **Self-Declaration Considerations / Arrearage Management Plan**

OCTOBER 2024

- Pause working sessions to evaluate and communicate milestones at the **October 10, 2024 Equity Advisory Group Meeting**
- Will hold time and space for both the EAG and Low-Income Advisory Group members to weigh in on progress made, work remaining, and how to move forward together

NOVEMBER /  
DECEMBER 2024

- Will be informed by advisory groups and remaining work

# Billing Logic Discussion (Cont.)

# Billing Logic

- Low-income assistance is received and treated like a payment into the customer service system.
- Company bill discount is a percentage reduction to the customer's monthly charges.
- Customers receive pledges that are recorded and verified when payment is received. There is no guarantee when payment will be received.
- Holding and applying low-income assistance to credit new monthly charges would require system enhancement
- Applying low-income assistance to new monthly charges leads to customers receiving less benefit from the low-income discount rate
- This change would reduce the cost of the LIBA program

# Billing Logic Discussion (Continued)

## **Pros:**

- Reduces cost for Low-Income Bill Assistance program, thereby reducing costs to ratepayers

## **Cons:**

- Provides less benefit to low-income customers
- Administrative burden/Cost to enhance customer service system
- May discourage customers from seeking energy assistance

## Question to consider:

- Should we consider making a change to the billing logic?

# Equity Advisory Group Meeting



# Today's Objectives

## Pacific Power's Equity Advisory Group

To establish a cleaner and more equitable electricity system for Washington, PacifiCorp formed its EAG.

The EAG is intended to elevate issues of energy equity in the planning process by providing a seat at the table to affected communities. Members of the EAG are community leaders supporting underserved populations, and they provide insights into the lived experiences of Washington communities.

1. Learn about ***Net Metering***
2. Present Pacific Power's ***Clean Energy Implementation Plan Annual Progress Report*** (2023 data)





# Community Calendar

# July 2024

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	1	2	3	4	5	6
				FOURTH OF JULY	<a href="#">89th Annual Toppenish Rodeo @ Toppenish Rodeo Grounds 6:30pm</a>	<a href="#">89th Annual Toppenish Rodeo @ Toppenish Rodeo Grounds 7am - All Day</a>
7	8	9	10	11	12	13
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>	<a href="#">Nature Day Camp @ Yakima Area Arboretum Monday - Friday 9am - 3pm</a>		<a href="#">ONLINE - Clean Buildings Accelerator Program Info Session #1 @ 11am</a>	<a href="#">ONLINE - Pacific Power's Equity Advisory Group Meeting 1pm-4pm</a>	<a href="#">Library STEAM @ Heritage Park 110 E. Main St. Walla Walla, Washington 99362 11:30am-1pm</a>	<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am - 1pm</a>
14	15	16	17	18	19	20
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>	<a href="#">Nature Day Camp @ Yakima Area Arboretum Monday - Friday 9am - 3pm</a>			<a href="#">Downtown Summer Nights @ 15 W Yakima Ave, Yakima, WA 98901 5:30pm-7:30pm</a>		<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am - 1pm</a>
21	22	23	24	25	26	27
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>	<a href="#">Nature Day Camp @ Yakima Area Arboretum Monday - Friday 9am - 3pm</a>			<a href="#">Downtown Summer Nights @ 15 W Yakima Ave, Yakima, WA 98901 5:30pm-7:30pm</a>	<a href="#">Library STEAM @ Heritage Park 110 E. Main St. Walla Walla, Washington 99362 11:30am-1pm</a>	<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am - 1pm</a>
28	29	30	31	1	2	3
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>	<a href="#">Nature Day Camp @ Yakima Area Arboretum Monday - Friday 9am - 3pm</a>					
4	5	Notes				



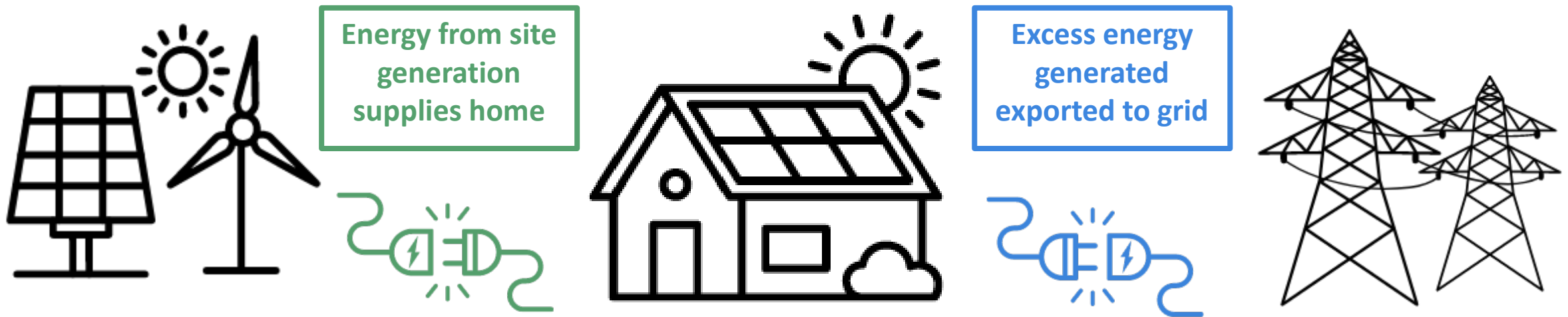
August 2024						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
28	29	30	31	1	2	3
			10		<a href="#">Library STEAM @ Heritage Park 110 E. Main St. Walla Walla, Washington 99362 11:30am-1pm</a>	<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am – 1pm</a>
4	5	6	7	8	9	10
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>	<a href="#">Nature Day Camp @ Yakima Area Arboretum Monday - Friday 9am - 3pm</a>		<a href="#">ONLINE - Clean Buildings Accelerator Program Info Session #2 @ 11am</a>	<a href="#">Downtown Summer Nights @ 15 W Yakima Ave, Yakima, WA 98901 5:30pm-7:30pm</a>		<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am – 1pm</a>
11	12	13	14	15	16	17
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>	<a href="#">Nature Day Camp @ Yakima Area Arboretum Monday - Friday 9am - 3pm</a>			<a href="#">Downtown Summer Nights @ 15 W Yakima Ave, Yakima, WA 98901 5:30pm-7:30pm</a>		<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am – 1pm</a>
18	19	20	21	22	23	24
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>				<a href="#">Downtown Summer Nights @ 15 W Yakima Ave, Yakima, WA 98901 5:30pm-7:30pm</a>		<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am – 1pm</a>
25	26	27	28	29	30	31
<a href="#">Downtown Yakima Farmers Market @ Rotary Marketplace 9am - 1pm</a>			<a href="#">ONLINE - Clean Buildings Accelerator Program Info Session #3 @ 11am</a>			<a href="#">Walla Walla Downtown Farmers Market @ Famers Market Pavilion 9am – 1pm</a>
1	2	Notes				

# Net Metering

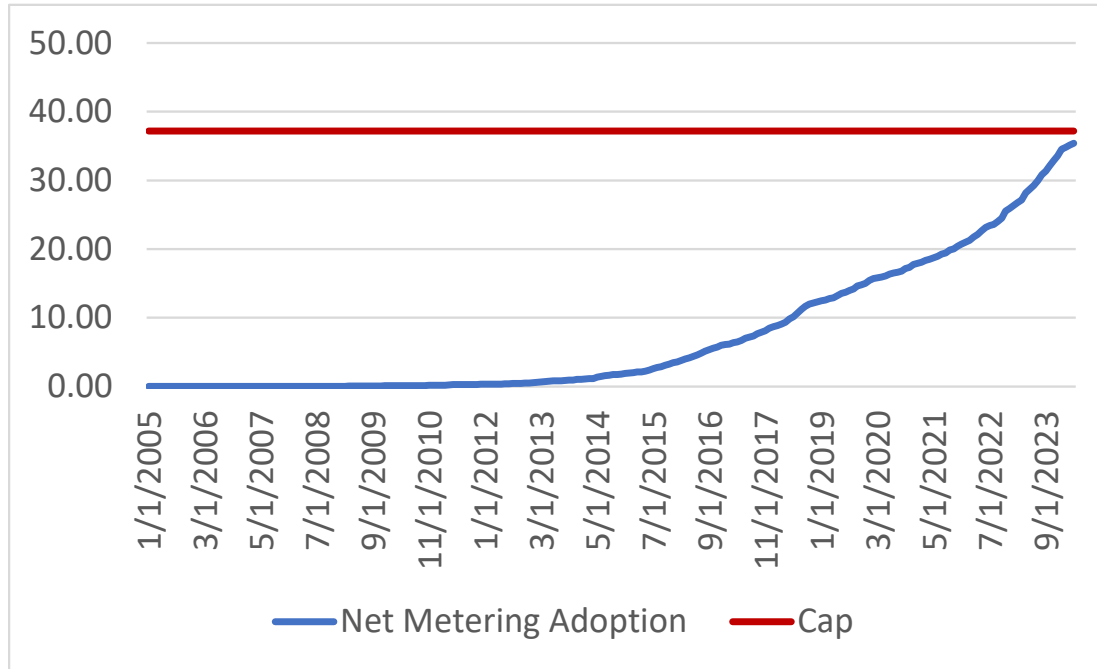
# What is net metering?

**Net Metering:** a billing credit from your utility company for power you generate. If your usage exceeds what you generate, you are billed on the "net" - i.e., the difference between what you use and what generate

- Energy exported to grid is offset 1 for 1 with energy charges
- Energy credits can be banked for future use and expire in April



# Net Metering | Utility Cap Updates



- 37.2 MW cap
- 35.1 MW installed through May 2024
- Presently at 94% of cap

## PacifiCorp's 2024 Net Metering Structure:

Net Metering	Residential	Cost of Energy 9¢ to 10.5¢ per kWh
	Small Non-Residential	9¢ to 13¢ per kWh
	Medium Non-Residential	7¢ per kWh
	Large Non-Residential	5¢ to 7¢ per kWh
	Irrigation	7¢ to 8¢ per kWh
	Utility Solar	3¢ per kWh
Source: Rates effective 4/3/2024 & PacifiCorp 2023 IRP		

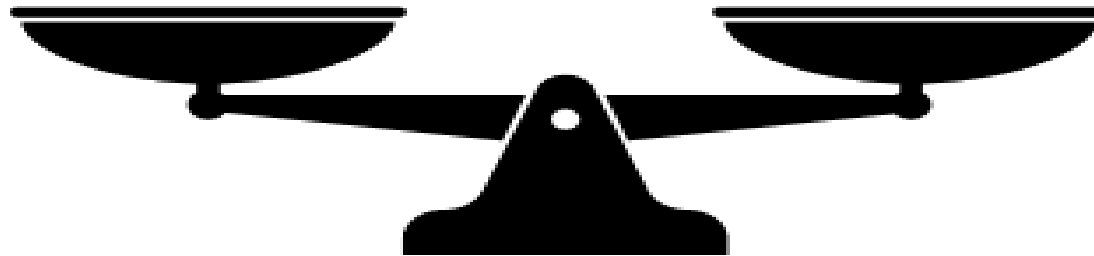
**MW:** Megawatt (1 million watts)

**kW:** Kilowatt (1 thousand watts)

**kWh:** Kilowatt hour (a measure of electrical energy equivalent to a power consumption of 1,000 watts for 1 hour)

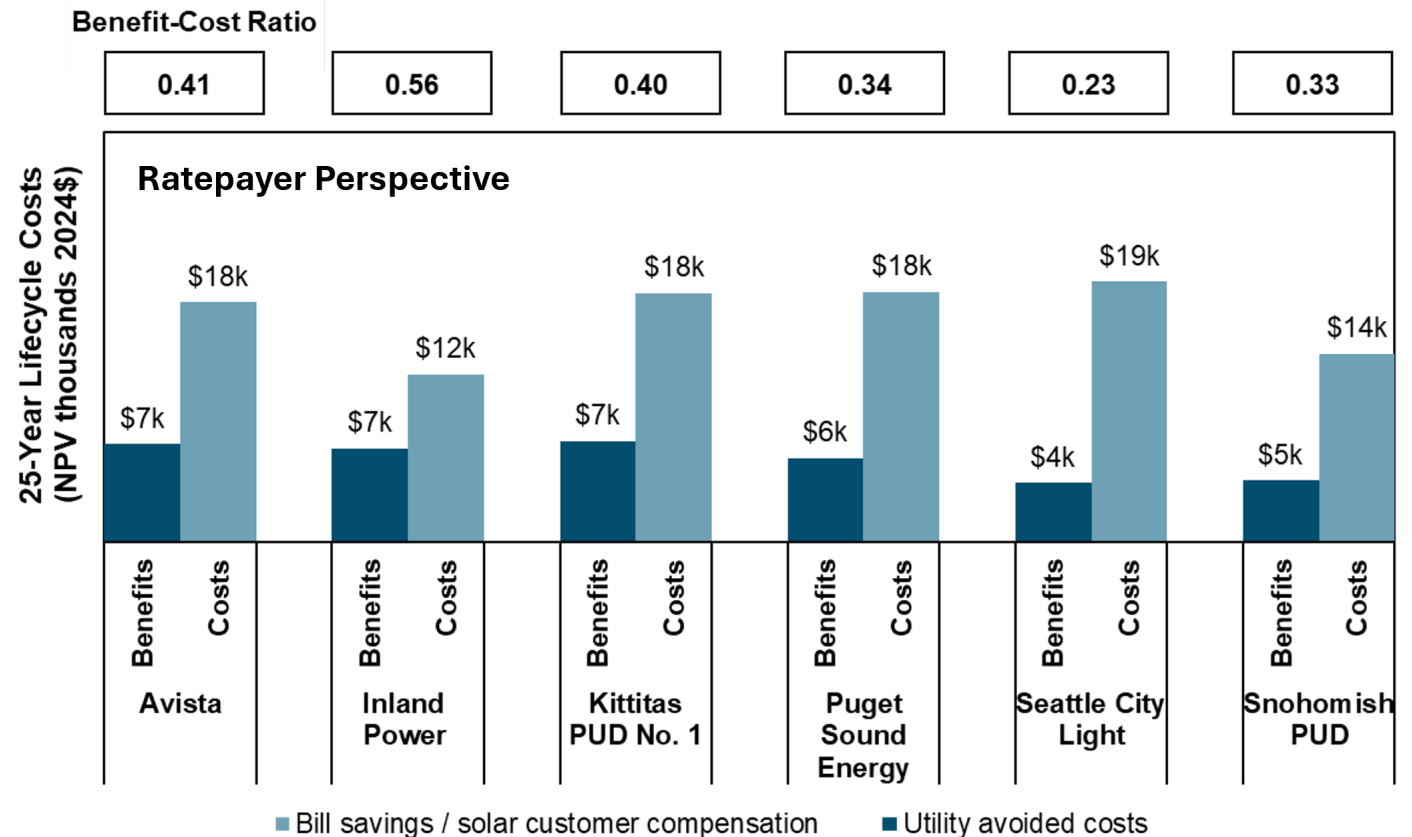
# Net Metering | Considering Changes

- Legislative cap on Net Metering for each utility
- More accurate billing methods exist
- Energy charges cover more than pure energy costs
- Netting energy is a simple way to bill customer generators
- Avoids rate impacts from greater rooftop solar adoption



# Analysis of Net Metering Impact

- E3 utility-commissioned study
  - Examined 6 utilities (Avista, Inland Power & Light, Kittitas PUD, Puget Sound Energy, Seattle City Light, and Snohomish PUD)
  - Estimated annual \$39 million of cost shift by end of 2024 in Washington state



Source: [https://www.ethree.com/wp-content/uploads/2023/12/E3\\_Benefits-and-Costs-of-Net-Energy-Metering-in-Washington\\_2023-12-21.pdf](https://www.ethree.com/wp-content/uploads/2023/12/E3_Benefits-and-Costs-of-Net-Energy-Metering-in-Washington_2023-12-21.pdf)

# Analysis of Net Metering Impact

- PacifiCorp analysis presented to Washington State House of Representatives Environment and Energy Committee on September 21, 2023
  - 1,691 net metering customers in 2022 (1.2% adoption rate)
  - Estimated \$405 of costs shifted per year per solar customer in 2022
  - About \$684,000 of cost shifting or an extra cost of \$4.85 per year per customer in 2022
  - Estimated value of exported energy at 5.4¢ per kWh

# What are potential successor programs?

- Demand charges - \$ per peak kW
- Standby rate – Fixed \$ per month or \$ per kW installed for solar customers
- Value of solar – compensation for all generation
- Export credit – different compensation for exported energy



# What are other states doing?

- Utah – Net Billing program
  - Exported energy is credited at a value of exports (presently at 6.9¢ per kWh in Utah)
- California – NEM 3.0
  - Exported energy has different values for each hour of the day for the 12 months of the year (averages about 5¢ to 6¢ per kWh)
  - Incentive adder which is higher for low-income customers
  - Time of use enrollment required
- Arizona – Net Billing program
  - Exported energy at about 8¢ to 9¢ per kWh
- New York – Transitional Net Metering
  - \$0.30 to \$1.33 per kW of installed solar per month Customer Benefit Contribution charge, or
  - Value of Distributed Energy Resource – varies by location

# What does Pacific Power think the successor should be?

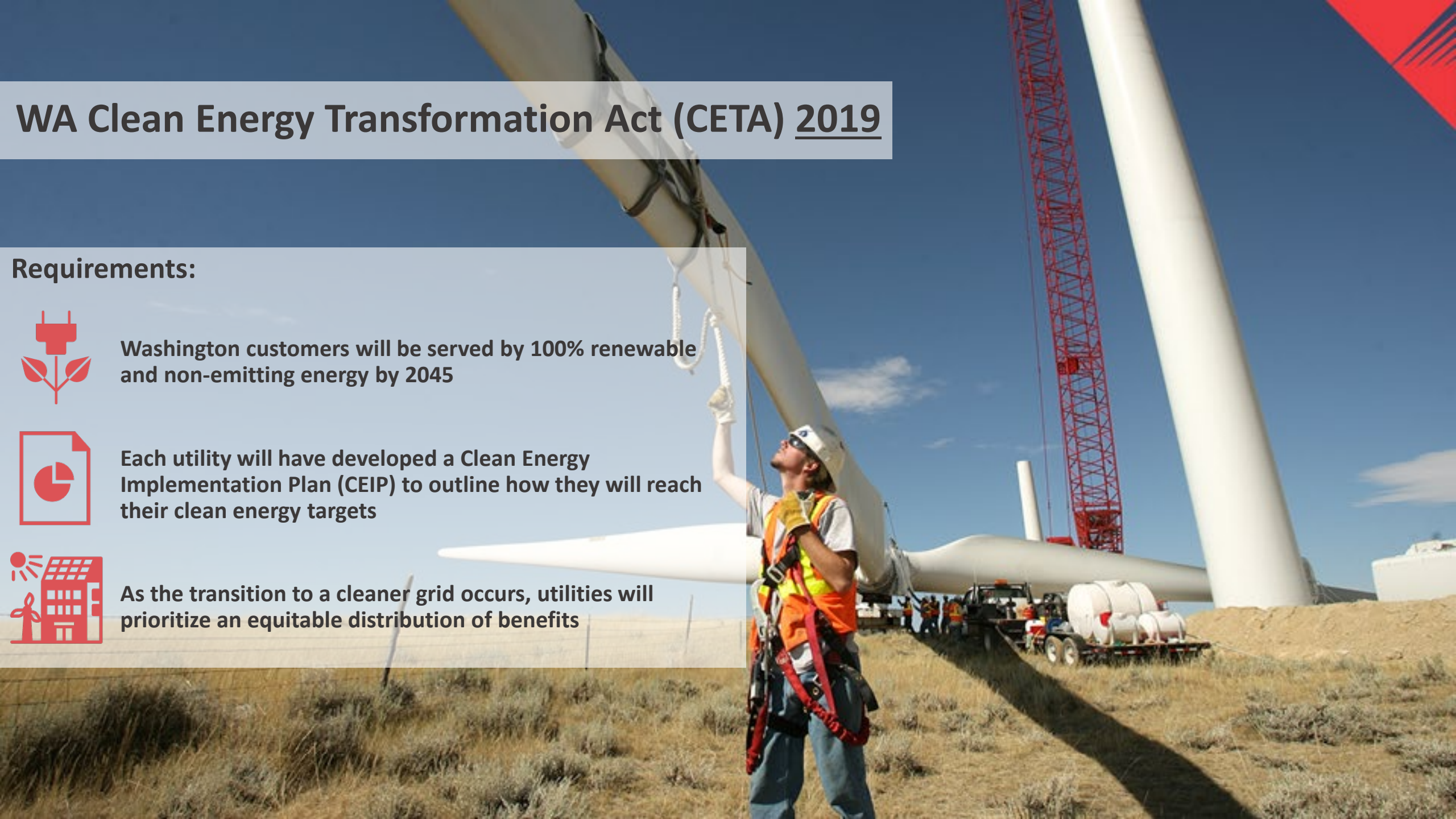
- Net Billing program
  - Exported energy priced at its value
  - Annual updates of value
  - Recognition of line losses and value to the distribution system
  - Hold others economically indifferent
  - Encourages customer generation to be used onsite

# Thoughts / Feedback

- What considerations should Pacific Power have for a successor program?
- How can the rollout of a successor program be done equitably?

# Break

# Clean Energy Implementation Plan



# WA Clean Energy Transformation Act (CETA) 2019

## Requirements:



Washington customers will be served by 100% renewable and non-emitting energy by 2045



Each utility will have developed a Clean Energy Implementation Plan (CEIP) to outline how they will reach their clean energy targets



As the transition to a cleaner grid occurs, utilities will prioritize an equitable distribution of benefits

## **2021 Clean Energy Implementation Plan - filed December 30, 2021; Refiled March 13, 2023**

Details the specific actions Pacific Power will take over the next four years (2022-2025) to move toward CETA's clean energy goals.

Link: [pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/ceip/Clean\\_Energy\\_Implementation\\_Plan\\_Revised\\_Filed\\_March\\_13\\_2023.pdf](https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/ceip/Clean_Energy_Implementation_Plan_Revised_Filed_March_13_2023.pdf)

## **2023 CEIP Public Participation Plan – filed May 1, 2023**

Update of Pacific Power's public participation plan engagement activities. Topics include outreach, timing, methods, barriers to participation, and accessibility measures in place to foster inclusion and equitable participation in Pacific Power's public processes.

Link: [210305-WA UE-210305 PAC-PPP-5-01-23.pdf \(pacificorp.com\)](https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/ceip/210305-WA-UE-210305-PAC-PPP-5-01-23.pdf)

## **1st CEIP Annual Progress Report (2022 data) – filed July 3, 2023**

Informational progress report on Pacific Power's progress in meeting its targets during the preceding year. Topics include, interim and specific targets (renewables, energy efficiency, and demand response). Additionally, provided is an update on customer benefit indicators (CBIs) and the public participation plan.

Link: [210829-PAC-CEIP-2023-Progress-Rpt-7-3-23.pdf \(pacificorp.com\)](https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/ceip/210829-PAC-CEIP-2023-Progress-Rpt-7-3-23.pdf)



## **CEIP Biennial Update – filed November 1, 2023**

Pacific Power filed an update to its Clean Energy Implementation Plan to incorporate then-relevant information. This update reflects the Company's current assumptions and strategies to comply with CETA.

Link: <https://apiproxy.utc.wa.gov/cases/GetDocument?docID=629&year=2021&docketNumber=210829>

## **2nd CEIP Annual Progress Report (2023 data) - filed July 1, 2024**

Informational progress report on Pacific Power's progress in meeting its targets during the preceding year. Topics include, interim and specific targets (renewables, energy efficiency, and demand response). Additionally, provided is an update on customer benefit indicators (CBIs) and the public participation plan.

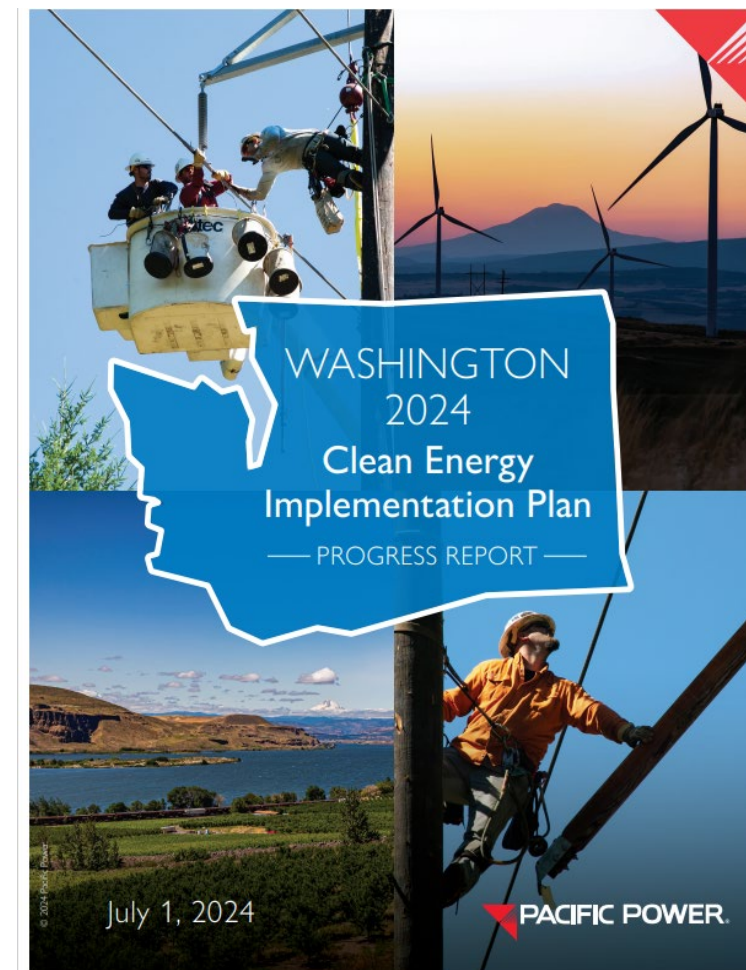
Link: <https://apiproxy.utc.wa.gov/cases/GetDocument?docID=867&year=2021&docketNumber=210829>

---

## **2025 CEIP Public Participation Plan – due May 1, 2025 (every odd numbered year)**

Update of Pacific Power's public participation plan engagement activities. Topics include outreach, timing, methods, barriers to participation, and accessibility measures in place to foster inclusion and equitable participation in Pacific Power's public processes.

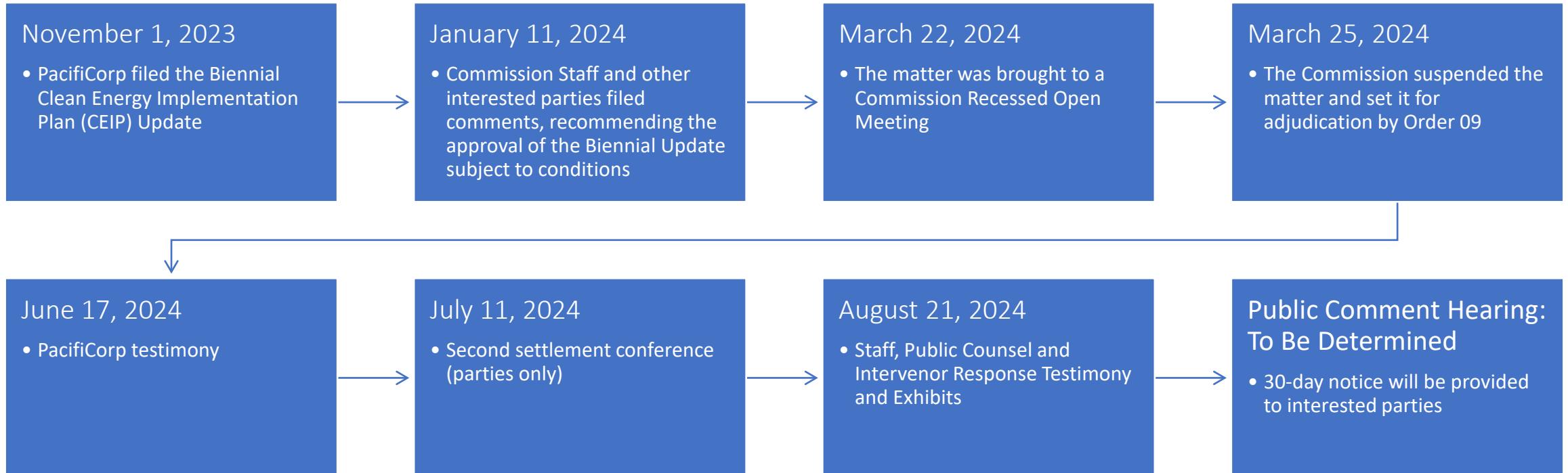
## **2025 Clean Energy Implementation Plan - Filing date coming soon**





# The Latest: CEIP Biennial Update

## Timeline:



# Clean Energy Implementation Plan (CEIP) Engagement Series

The *Clean Energy Implementation Plan Engagement Series* will provide a space for joint consultation among Pacific Power's various Washington advisory groups, interested parties, and members of the public. Participants will have the opportunity to provide input on elements of PacifiCorp's developing CEIP, CEIP updates, Demand-Side Management activities, as well as other topics determined by PacifiCorp. We hope this addition will help foster shared understanding of complex clean energy planning topics as well as provide additional pathways for meaningful engagement and input.



## WA CEIP Engagement Series Meeting #3

When: August 6, 2024 / Time: 9am - 12pm

Format: Online via Zoom

## WA CEIP Engagement Series Meeting #4

When: October 2024 / Time: Coming Soon

Format: Online via Zoom



# 2024 CEIP Progress Report

# 2024 CEIP Progress Report

- PacifiCorp filed its 2024 annual Clean Energy Implementation Plan progress report on July 1, 2024, which includes:
  - Actuals reported for 2023
  - A detailed summary regarding PacifiCorp's progress towards its targets and specific actions as set out by its inaugural CEIP
- The annual progress report includes information on:
  - Conservation achievement
  - Demand response program achievement
  - Renewable energy credits (REC), all resource generation, contracts and market purchases and sales
  - Washington retail sales
  - Additional information as required by the settlement of the 2021 Revised CEIP

PacifiCorp's 2024 CEIP Progress Report:

[https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/ceip/210829\\_PAC\\_CEIP\\_2024\\_Progress\\_Rpt\\_7-1-24\\_fnl.pdf](https://www.pacificorp.com/content/dam/pcorp/documents/en/pacificorp/energy/ceip/210829_PAC_CEIP_2024_Progress_Rpt_7-1-24_fnl.pdf)

# Interim Targets

**Table 1 – PacifiCorp’s Annual CEIP Report Summary**

<b>PacifiCorp CEIP Interim Goal for 2023</b>	<b>31%</b>	
	<b>MWh</b>	<b>% of Retail Sales</b>
Washington Retail Sales	3,850,048	
Washington PURPA Qualifying Facilities (QFs)	5,224	
Retail Sales (QF Adjusted)	3,844,824	
Washington Allocated Renewable Energy and RECs	928,528	24.2%
Washington Allocated BPA Renewable Energy	16,048	0.4%
Washington Allocated BPA Non-Emitting Energy	2,325	0.1%
<b>Total electricity supplied by non-emitting and renewable resources in 2023</b> (excluding WA-allocated system RECs)	<b>946,601</b>	<b>24.6%</b>
WA-Allocated PacifiCorp System RECs – Reported in RPS	84,600	2.2%
WA-Allocated PacifiCorp System RECs <sup>3</sup>	152,619	4.0%
<b>Total electricity supplied by non-emitting and renewable resources in 2023<sup>4</sup></b>	<b>1,184,120</b>	<b>30.8%</b>

# Customer Benefit Indicators (2023 Data)



# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
1	Increase culturally and linguistically responsive outreach and program communication <b>including increased availability of translation services for all PacifiCorp Programs, including credit, collection, and payment</b>	<ul style="list-style-type: none"> <li>Reduction of burdens</li> <li>Non-energy benefit</li> </ul>	<ul style="list-style-type: none"> <li>a. Number of topics addressed in outreach in non-English languages</li> <li>b. Number of impressions from non-English outreach</li> <li>c. Percentage of responses to surveys in Spanish</li> <li><b>d. Number of programs for which PacifiCorp provides translation services or translated material</b></li> <li><b>e. Number of languages PacifiCorp uses for translated material</b></li> </ul>

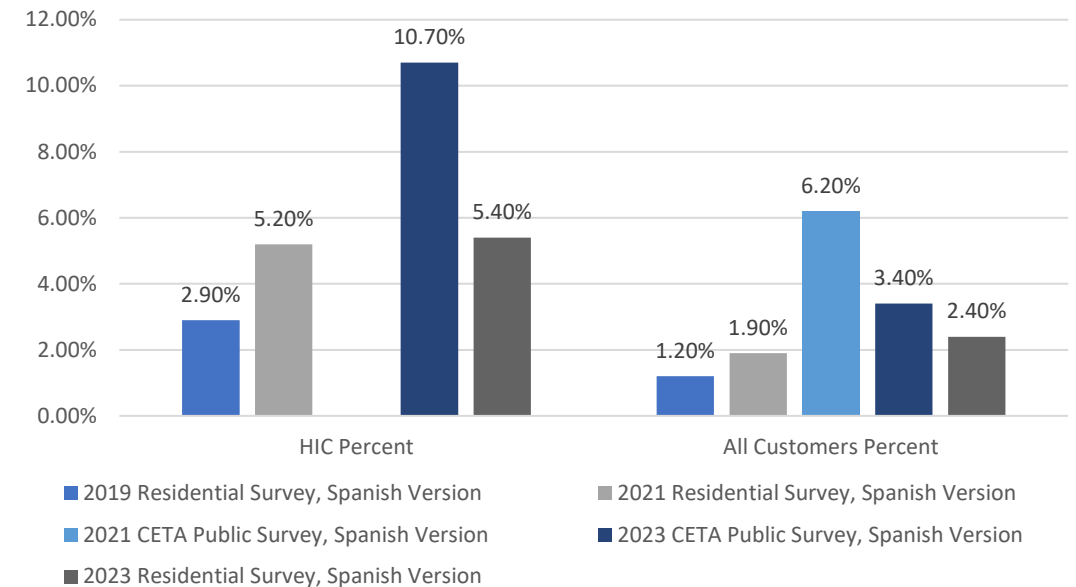
Pacific Power is committed to proactively increasing access and better communicating with the 30.7% of Spanish speaking households within its' Washington service area.

## Expansion of Communication Channels for Spanish-Language Outreach

Program or Topic	2020	2022	2023
Billing Options / Customer Service	4	1	2
Energy Assistance (LIBA)	5	10	5
Wattsmart Residential	3	9	11
Wattsmart Business		9	9
Energy Efficiency Education	1	1	1
Wildfire Safety/Resilience	1	3	2
Safety/Preparedness	1	3	4
Planning for the Future (Brand Assurance)	2	4	3
Energy Resource Center	0	1	1
Regulatory/CEIP	0	2	6
<b>Total</b>	<b>17</b>	<b>43</b>	<b>44</b>

# Culturally & Linguistically Responsive Outreach

## Spanish-Language Survey Responses



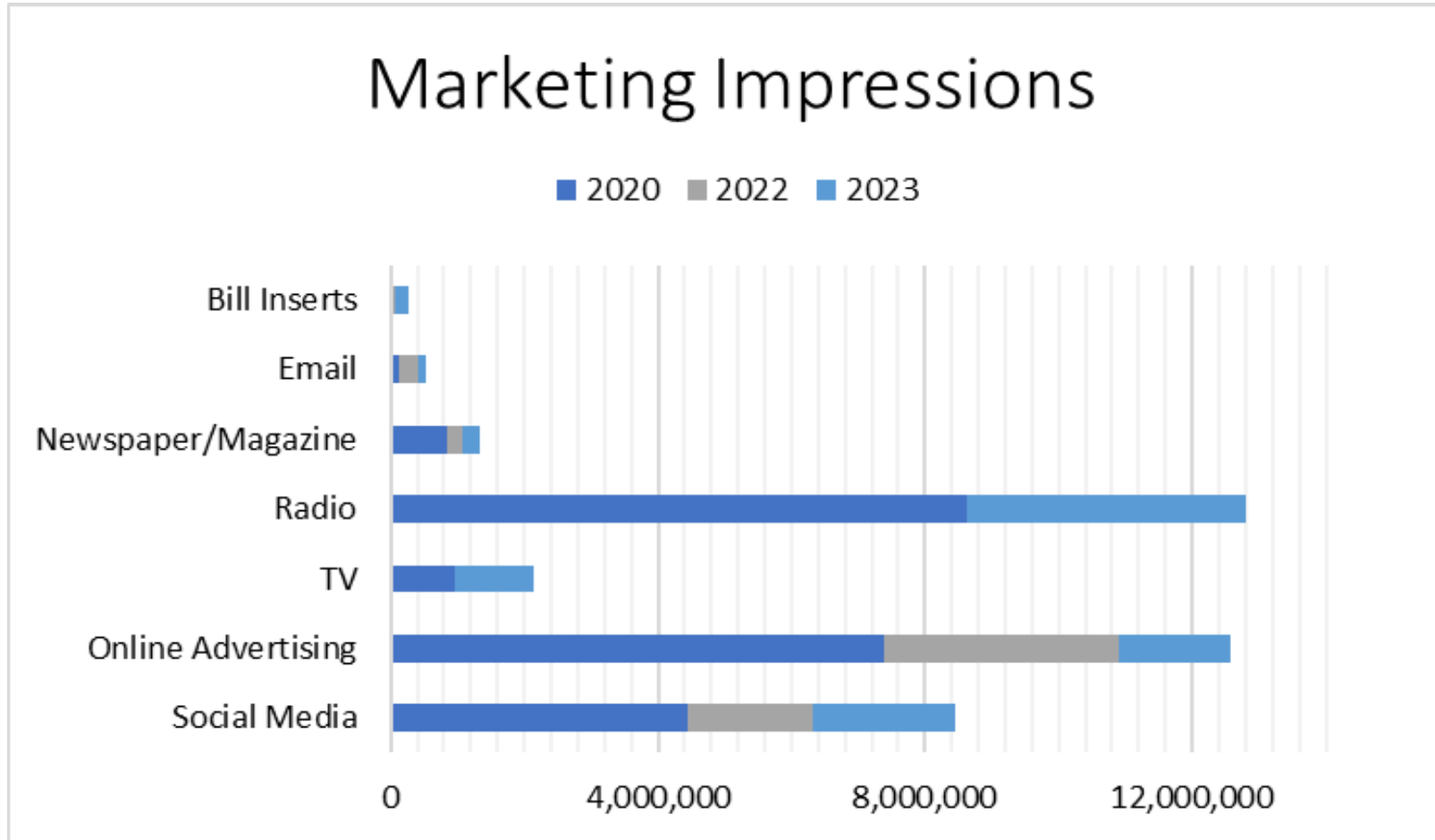
<sup>1</sup> Baseline Values updated since 2021 draft CEIP to account for WDOH update to EHD in July 2022

<sup>2</sup> HIC data for the 2021 CEA Public Survey, Spanish version, is unknown



# Culturally & Linguistically Responsive Outreach

## Energy Efficiency Program Communications Impressions for Spanish Advertising



### Key Points

- Bill inserts were not used in advertising in 2020
- In 2023, community events were used in advertising for the first time and included:
  - 72 events and 154 classrooms reaching 3,665 students
- Cinema screens (omitted from the graph) were only used for marketing in 2022, with advertisements on 12 screens

# Culturally & Linguistically Responsive Outreach

Program	Number of Languages Used for Translated Materials	Format (e.g. telephone translation, brochure, notice, website)
Billing Options / Customer Service	73	Telephone
Billing Options / Customer Service	1	Website, bill message
Energy Assistance (LIBA)	1	Advertising, social media, brochures
Wattsmart Residential	1	Advertising, bill inserts, emails, social media, brochures
Wattsmart Business	1	Advertising, emails, direct mail, brochures
Energy Efficiency Education	1	Brochures
Wildfire Safety/Resilience	9	Advertising, website, email, brochures
Safety/Preparedness	1	Social media, website, email
Planning for the Future	1	Advertising
Energy Resource Center	1	Website, brochures
Regulatory/CEIP	1	Website, meetings, meeting materials
Total	91	

PacifiCorp has a dedicated call center team of Spanish-speaking representatives.

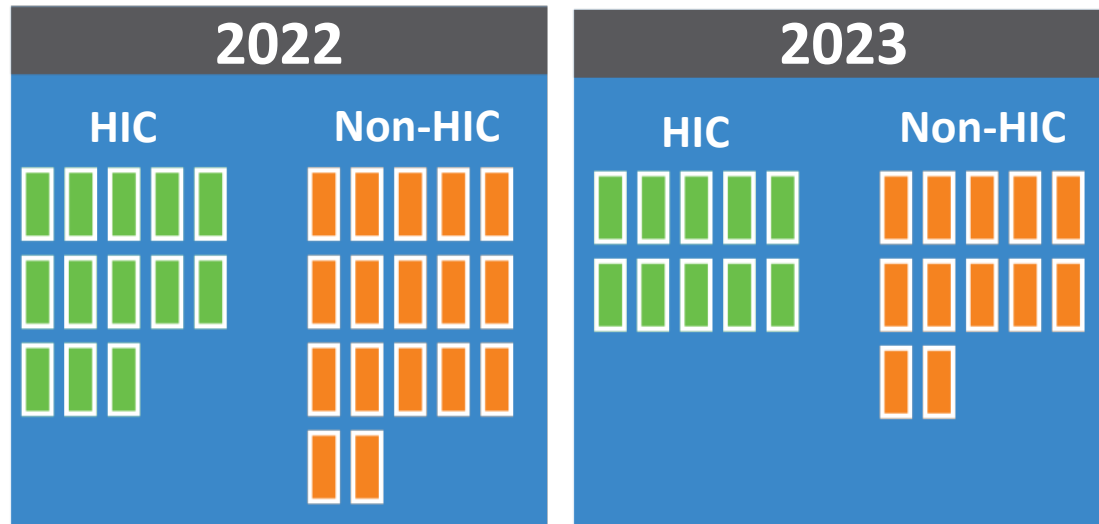
For customers who speak other languages, the company's call center can assist with questions in 73 different languages

# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
2	Increase community-focused efforts and investments	<ul style="list-style-type: none"><li>▪ Non-energy benefit</li><li>▪ Reduction of burden</li><li>▪ Public health</li></ul>	<ul style="list-style-type: none"><li>a. Number of workshops on energy related programs</li><li>b. Headcount of staff supporting program delivery in Washington who are women, minorities, and/or can show disadvantage</li><li>c. Number of public charging stations in Named Communities</li></ul>

# Community-Focused Efforts & Investments

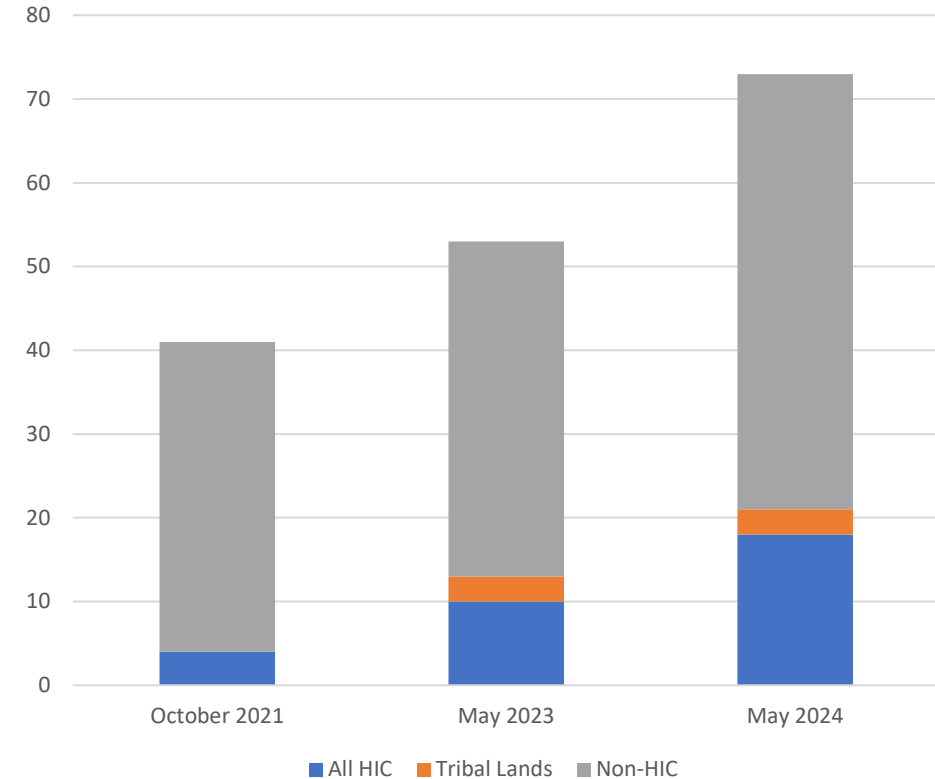
## Community Workshops



### 2023 Event Types:

- Two Annual Wattsmart Business Vendor program
- One Clean Building Accelerator 'Coffee Chat'
- Four Clean Building Accelerator Training Workshops
- One Presentation at a Central Washington Hispanic Chamber of Commerce Meet & Greet
- One Presentation at Yakima Southwest Rotary
- Two Luminaire Level Lighting Controls trainings for Wattsmart Business Vendors
- One Presentation at Sustainable Living Center Public Workshop Series on Energy Savings and Solar

## Public EV Chargers Installed



*From 2020 to 2024, public access to EV Charging Infrastructure in PacifiCorp's Washington service area increased by 70%, meaning an additional 29 chargers have been installed!*

# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
3	Increase participation in company energy and efficiency programs and billing assistance programs	<ul style="list-style-type: none"> <li>Cost reduction</li> <li>Reduction of burden</li> <li>Non-energy benefit</li> <li>Energy benefit</li> </ul>	<ul style="list-style-type: none"> <li>a. Number and <b>percentage</b> of households/businesses, including Named Communities, who participate in company energy/efficiency program</li> <li>b. Dollar value of energy/ efficiency expenditures</li> <li>c. Number and percentage of households that participate in billing assistance programs</li> <li>d. Number and <b>percentage</b> of households/businesses who participate/enroll in demand response, load management, and behavioral program</li> <li>e. Dollar value of demand response, load management, and behavioral programs expenditures</li> <li>f. <b>Number of residential appliances and equipment rebates provided to Named Community customers (where known)</b></li> <li>g. <b>Number of residential rebates provided to customers residing in rental units</b></li> <li>h. <b>Investment and/or energy efficiency savings in rental residential housing stock</b></li> </ul>

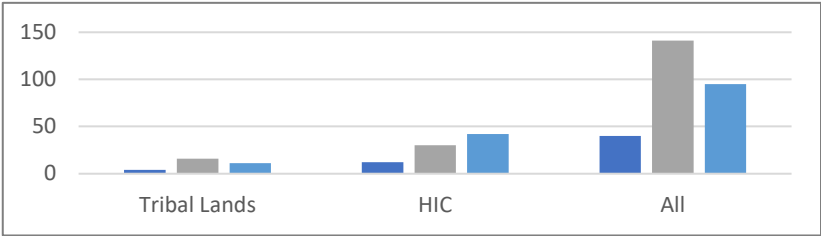
# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
4	Increase efficiency of housing stock and small businesses, including low income housing	<ul style="list-style-type: none"><li>▪ Energy benefit</li></ul>	<ul style="list-style-type: none"><li>a. Number of households and small businesses that participate in company energy/efficiency programs</li><li>b. Dollar value of energy efficiency expenditures</li></ul>

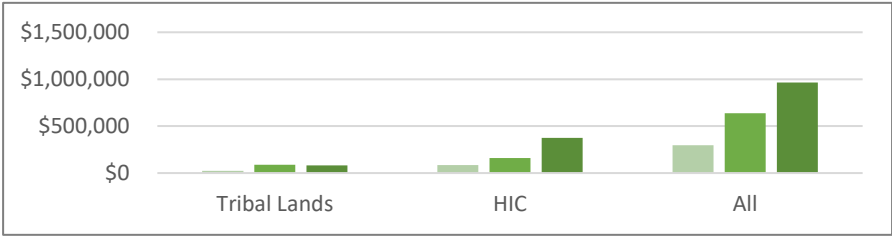
# Energy & Efficiency Program Participation/ Efficiency of Buildings

Low Income  
Weatherization

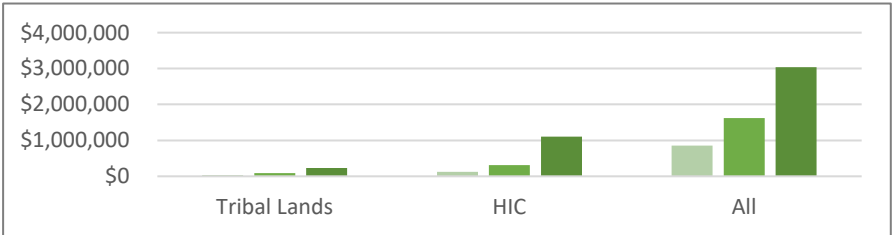
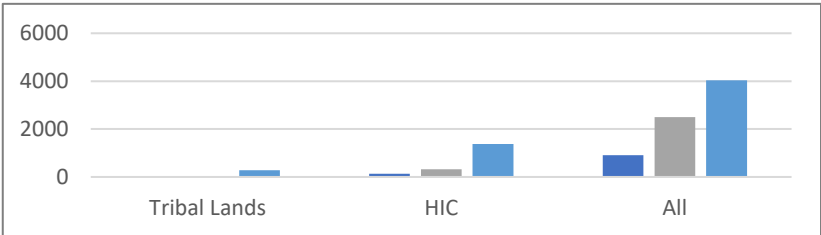
Participants



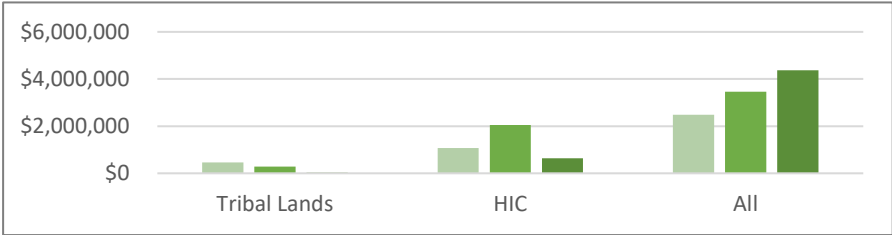
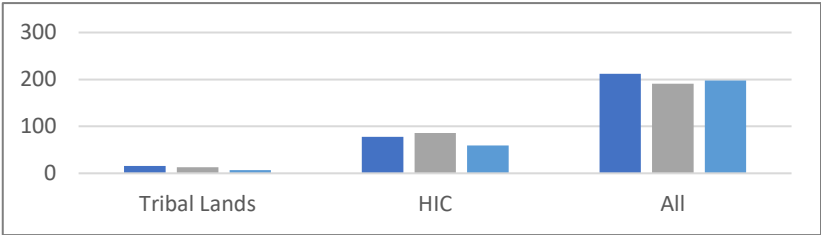
Expenditures



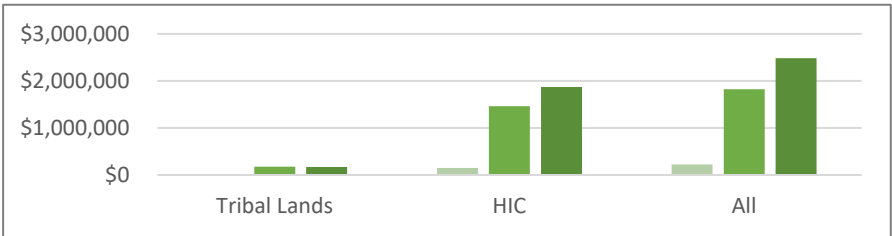
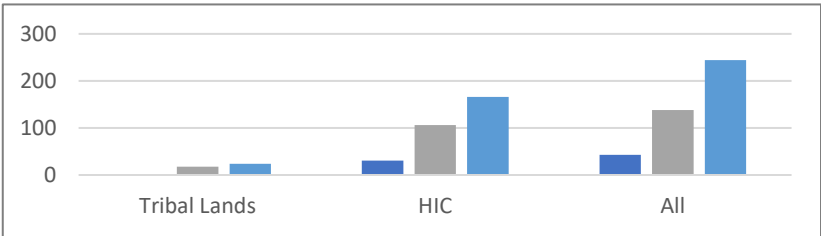
Home Energy  
Savings



Wattsmart  
Business



Wattsmart  
Small Business



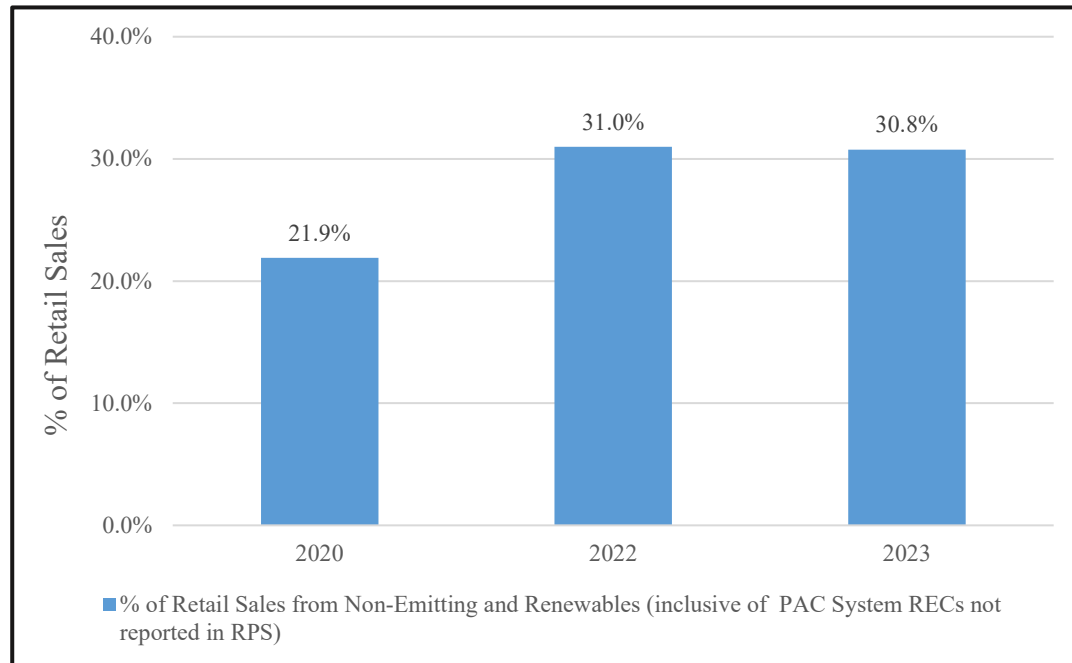
# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
5	Increase renewable energy resources and reduce emissions	<ul style="list-style-type: none"><li>Environmental</li></ul>	<ul style="list-style-type: none"><li>a. Amount of renewables/non-emitting resources serving Washington</li><li>b. Amount of Washington allocated greenhouse gas emission from Washington allocated resources</li></ul>

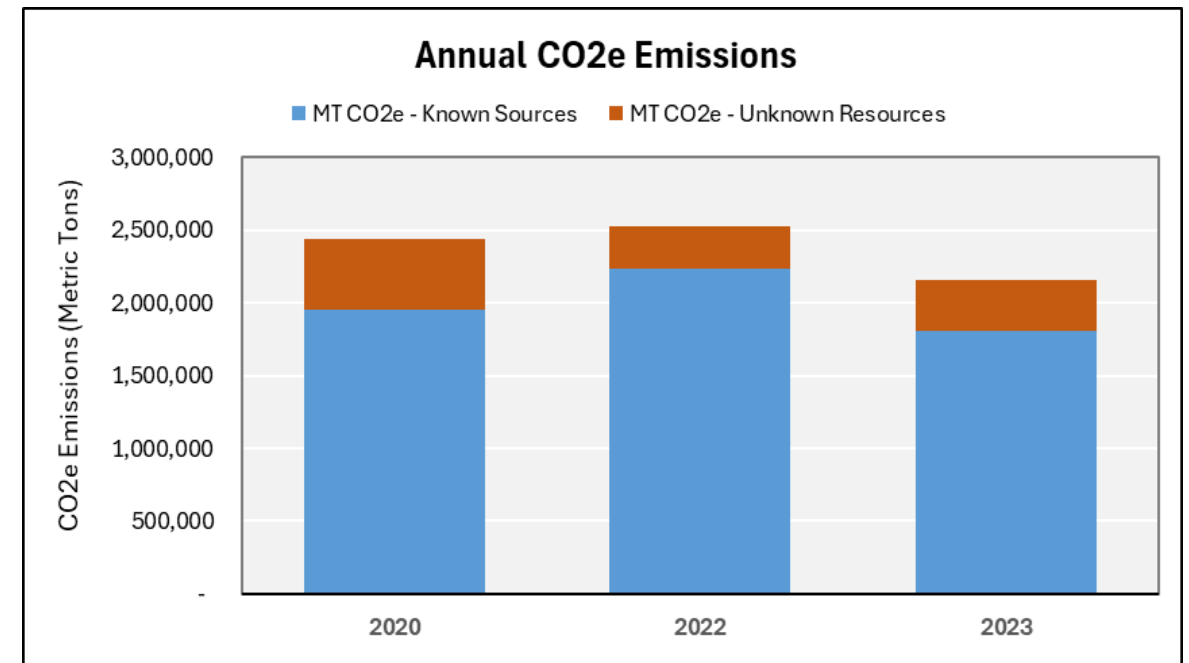


# Renewable Energy Resources & Emissions

## Retail Sales Served by Renewable and Non-Emitting Energy Resources



## Greenhouse Gas Emission from Washington Allocated Resources



# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
6	Decrease households experiencing high energy burden	<ul style="list-style-type: none"><li>▪ Cost reduction</li><li>▪ Reduction of burden</li></ul>	<p>a. Number and percent of customers experiencing high energy burden by highly impacted communities, vulnerable populations, low-income bill assistance (LIBA) and Low-Income Weatherization (LIWx) participants, and other residential customers; <b>and average excess burden per household. High energy burden is defined as greater than or equal to six percent of household annual income</b></p>

# Reduction of High Energy Burden

Table 20 provides the number and percent of households with high energy burden and average excess burden per household for all PacifiCorp customers, known low-income (KLI) customers, and Named Communities (HICs and vulnerable populations).

**Table 20 – Customers Experiencing High Energy Burden for Washington Service Area<sup>[1]</sup>**

Population	2020				2022				2023			
	Mean Energy Burden (%)	No.	Percent	Average Excess Energy Burden	Mean Energy Burden (%)	No.	Percent	Average Excess Energy Burden	Mean Energy Burden (%)	No.	Percent	Average Excess Energy Burden
All HIC <sup>[1][2]</sup>	4.7%	6,471	21.3%	6.7%	4.0%	5,368	17.4%	5.6%	4.5%	6,015	19.4%	8.2%
Tribal Lands	6.1%	2,103	30.0%	7.8%	4.1%	1,356	19.1%	6.7%	4.8%	1,201	17.1%	10.7%
LIBA Participants <sup>[3]</sup>	5.7%	1,676	28.1%	10.7%	4.9%	2,054	22.6%	11.9%	6.4%	3,912	39.2%	10.8%
LIWx Participants <sup>[3]</sup>	7.8%	20	51.2%	6.1%	6.4%	56	39.7%	5.6%	6.3%	39	42.9%	10.2%
KLI	7.3%	1,616	38.5%	7.8%	6.1%	1,678	27.8%	7.2%	7.3%	3,164	41.0%	6.8%
All Customers	3.7%	14,750	13.2%	7.8%	3.4%	12,445	11.0%	6.7%	3.7%	15,688	13.8%	6.9%

<sup>[1]</sup> Sources: PacifiCorp Residential Survey (2021 and 2023) and CETA Public Survey (2023) for self-reported household income; customer billing records from 2020 and 2022.

<sup>[2]</sup> Baseline values updated since 2021 draft CEIP to account for WDOH update to EDH in July 2022.

<sup>[3]</sup> Implementation agencies for LIBA and LIWx provided PacifiCorp with a sample of verified household income levels for 2020 participants and 2022 participants. PacifiCorp also used customer billing records from 2020 and 2022.

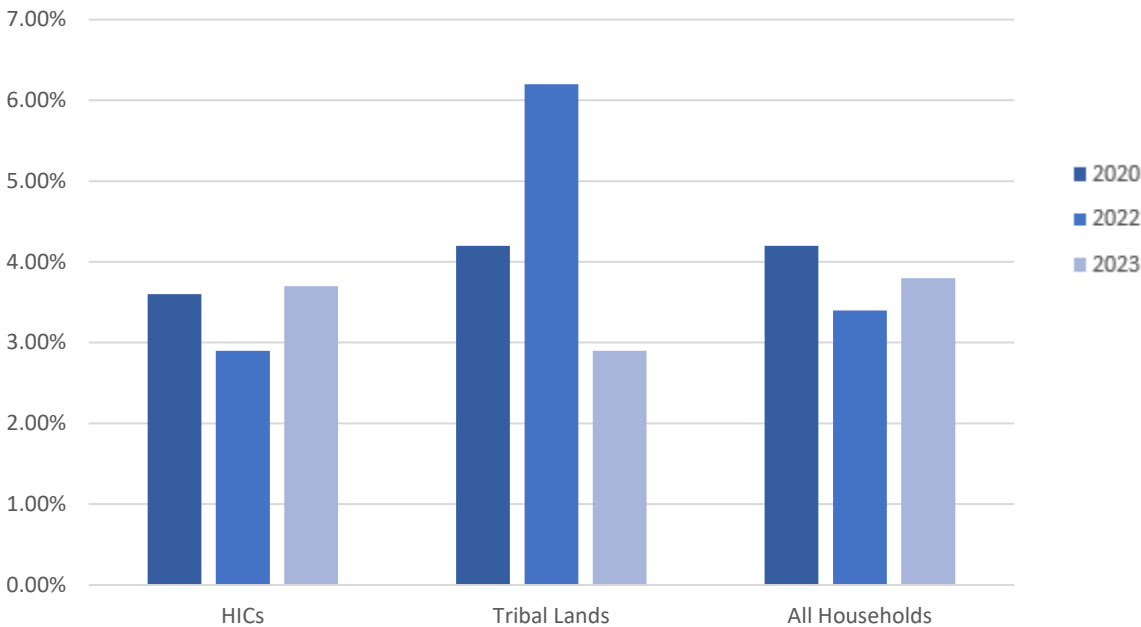
# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
7	Improve indoor air quality	<ul style="list-style-type: none"><li>Public health</li><li>Non-energy benefit</li></ul>	<ul style="list-style-type: none"><li>a. Number and percent of households using wood as primary or secondary heating</li><li>b. Number and percent of non-electric to electric conversions for LIWx program</li></ul>

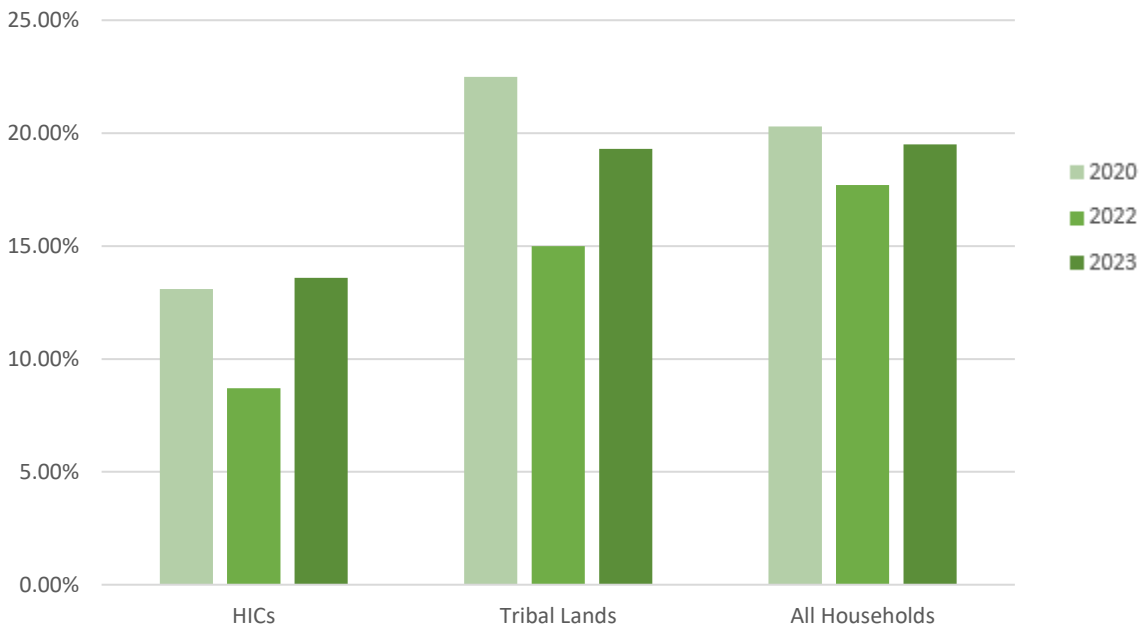
# Indoor Air Quality

The Indoor Air Quality CBI evaluates the number of households using wood as primary or secondary heating

Households using wood as primary heating source



Households using wood as secondary heating source



# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
8	Reduce frequency and duration of energy outages	<ul style="list-style-type: none"> <li>▪ Energy resiliency</li> <li>▪ Risk reduction</li> <li>▪ Energy benefit</li> </ul>	<p>a. System Average Interruption Duration Index (SAIDI), System Average Interruption Frequency Index (SAIFI), Customer Average Interruption Duration Index (CAIDI), and <b>Customers Experiencing Multiple Interruptions (CEMI)</b> scores (rolling 7-year average) at area level including and excluding major events</p>

# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
9	Reduce residential customer disconnections	<ul style="list-style-type: none"> <li>Energy security</li> </ul>	<ul style="list-style-type: none"> <li>a. Number and percentage of residential electric disconnections for nonpayment by month, measured by location and demographic information (zip code/census tract, known low income (KLI) customers, Vulnerable Populations (where known), Highly Impacted Communities, and for all customers in total)</li> <li>b. Residential arrearages as reported pursuant to Commission Order 04 (Appendix A Third Revised Term Sheet, Section J, Part 8 ac) major events</li> </ul>

# Residential Customer Disconnections

Consistent with CBI Condition 2, PacifiCorp has replaced its original metric for the CBI of Decrease Residential Customer Disconnections within this filing. The new metric will be replaced with:

- ***Metric:*** Number and percentage of residential electric disconnection for nonpayment by month
- ***Measurement:*** location and demographic information (zip code/census tract, KLI customers, Vulnerable Populations (where known), HICs, and for all customers in total).

Additionally, a new metric is introduced through this filing:

- ***Metric:*** Residential arrearages as reported pursuant to Commission Order 04
- ***Measurement:*** Arrearage data reported by zip code



# Customer Benefit Indicators

#	CBI	Benefit Categories	Metric(s)
10	Increase Named Community Clean Energy	Energy benefits	<ul style="list-style-type: none"> <li>a. Total MWh of distributed energy resources 5 MW and under, where benefits and control of resource accrue to members of Named Communities</li> <li>b. Total MWs of energy storage resources 5 MW and under, where benefits and control of the resource accrue to members of Named Communities</li> <li>c. Number (i.e., sites, projects, and/or households) of distributed renewable generation resources and energy storage resources, where benefits and control of the resource accrue to members of Named Communities, including storage/backup/emergency powered centers for emergencies</li> <li>d. Total MWh of energy savings from EE programs, where benefits and control of the savings accrue to members of Named Communities</li> <li>e. Where known, for a), b), c), and d) above, PacifiCorp will specify whether the Named Community resources are highly impacted communities (HIC) and/or vulnerable population and/or KLI</li> </ul>

**Table 26 - Distributed Energy Resources, Energy Storage and Energy Savings from Energy Efficiency Programs for Highly Impacted Communities, 2023**

GEOID	Distributed Energy Resources Affiliated with Systems 5 MW and Under		Energy Storage 5 MW and Under		Total MWh of Energy Savings from Energy Efficiency Programs
	Number	MWh	Number	MW	
53071920000	30	503	0	0.000	1,577
53077000100	12	1,014	0	0.000	939
53077001201	11	118	1	0.010	119
53077001202	9	216	0	0.000	598
53077001300	10	445	0	0.000	671
53077001400	6	128	0	0.000	701
53077001501	8	253	0	0.000	357
53077001502	9	66	0	0.000	496
53077000200	3	27	0	0.000	440
53077002102	70	925	1	0.004	672
53077000300	11	213	0	0.000	1,005
53077000500	36	382	0	0.000	305
53077000600	6	70	0	0.000	224
53077000700	28	307	0	0.000	416
53077940001	42	697	0	0.000	260
53077940002	14	550	0	0.000	105
53077940003	24	356	1	0.010	116
53077940004	5	56	0	0.000	211
53077940005	12	255	0	0.000	142
53077940006	7	62	0	0.000	92
Total	353	6,642	3	0.023	9,444

# Named Community Clean Energy

(13) "Distributed energy resource" means a non-emitting electric generation or renewable resource or program that reduces electric demand, manages the level or timing of electricity consumption, or provides storage, electric energy, capacity, or ancillary services to an electric utility.

Source: [RCW 19.405.020: Definitions. \(wa.gov\)](https://rcw.k12wa.gov/rcw19405020/Definitions/)

**Table 27 – Distributed Energy Resources, Energy Storage and Energy Savings from Energy Efficiency Programs for Vulnerable Populations, 2023**

Vulnerable Population	Distributed Energy Resources Affiliated with Systems 5 MW and Under		Energy Storage 5 MW and Under		Total MWh of Energy Savings from Energy Efficiency Programs
	Number	MWh	Number	MW	
Households with high school diploma or lower educational attainment	18	252	1	0.02	127
Older adults (65+ yrs)	180	2,388	9	0.17	371
Young children (5 yrs or under)	20	299	0	0.00	70
People who have a hearing impairment	66	903	2	0.03	121
People with a disability	104	1,492	5	0.12	214
People with medical equipment at home	74	1,079	4	0.10	105
Diverse supplier business owners	11	148	1	0.01	17
Energy burdened	7	112	0	0.00	98
Asset Limited, Income Constrained, Employed (ALICE)	5	67	0	0.00	47
Low-income migrants	2	11	0	0.00	11
Low income	21	294	0	0.00	210
Immigration status (outside of US citizen)	22	341	2	0.08	37
People who speak limited English	18	291	2	0.08	62
Renters	2	23	0	0.00	32
Multi-generational households	48	738	4	0.11	94
Multi-family households	6	99	1	0.06	21
People experiencing homelessness	0	0	0	0.00	2
People living in rural areas	9	110	0	0.00	16
People living in different land statuses (trust vs. fee land)	0	0	0	0.00	0
Agricultural and/or farm workers	9	170	0	0.00	32
Gas-heated homes	103	1,166	4	0.04	47
Single parents	7	113	0	0.00	28
Known Low-income customers	1	9	0	0.00	61

# Named Community Clean Energy

(13) "Distributed energy resource" means a non-emitting electric generation or renewable resource or program that reduces electric demand, manages the level or timing of electricity consumption, or provides storage, electric energy, capacity, or ancillary services to an electric utility.

Source: [RCW 19.405.020: Definitions. \(wa.gov\)](https://rcw.k12wa.gov/rcw/19.405.020/Definitions/)

# Public Comment

# Washington Equity Advisory Group 2024 Meeting Schedule (Present/Future)

Date / Time / Meeting Format	Proposed Agenda Topics*
June 13, 2024 (1pm-4pm) <a href="#">Online</a>	WA General Rate Case Update Presentation <ul style="list-style-type: none"> <li>• Approach Discussion on Item 10: Low Income Bill Assistance / Arrearage Management Plan / Outreach Program / Billing Logic</li> </ul> Integrated Resource Planning (IRP) Updates Energy Efficiency Updates
July 11, 2024 (1pm-4pm) <a href="#">Online</a>	Joint Recap: June Meeting; Billing Logic Discussion (Continued) Net Metering Presentation Clean Energy Implementation Plan (CEIP) Annual Progress Report
August	<b>No Equity Advisory Group Meeting</b> <b>Low-Income Working Sessions Begin (Optional Participation)</b>
September 12, 2024 (1pm-4pm) <a href="#">Hybrid: Marcus Whitman Hotel, 6 W Rose St, Walla Walla, WA 99362 (2nd Floor Boardroom)</a>	<b>Equity &amp; Demand Side Management (DSM) Advisory Group Joint Meeting</b> Community Connections: <i>Blue Mountain Action Council Presentation</i> Energy Efficiency Updates: <ul style="list-style-type: none"> <li>• <i>(Preview 2025 Annual Conservation Plan including potential updates to Utility Actions and preview 2025 program changes)</i></li> </ul> Integrated Resource Planning (IRP) Update Demand Response Program Update
October 10, 2024 (1pm-4pm) <a href="#">Online</a>	<b>Low Income &amp; Equity Advisory Group Joint Meeting</b> <ul style="list-style-type: none"> <li>• <b>Share out of August/September working sessions; Identify next steps together</b></li> </ul> Multi-Family Electric Vehicle Supply Equipment (EVSE) Program Communications Update: Preview Draft WA Language Access Plan
November	<b>No Equity Advisory Group Meeting</b>
December 12, 2024 (1pm-4pm) <a href="#">Online</a>	End of the Year Reflection; 2025 Planning

61 \*Proposed agenda topics and timing may be subject to change

\*\*Items **highlighted in yellow** are new updates

POWERING YOUR GREATNESS

# Next Steps

## Equity Advisory Group Calendar

### August – No Meeting

September 12, 2024 (Hybrid) 1pm – 4pm

**Online:** <https://esource.zoom.us/j/89413912809?pwd=ral1bBmGga3i8Vyu3Gmz9grptFftGL.1>

**Onsite:** The Marcus Whitman Hotel 6 W Rose St, Walla Walla, WA 99362 (Lunch will be provided 30 minutes before the start of the session)

Meeting materials can be found online on PacifiCorp's [Washington Clean Energy Transformation Act](#) webpage. Spanish materials will also be available following each session.

## Pacific Power Resources

For more information:

[Washington Clean Energy Implementation Plan](#)

Washington Feedback Tracker:

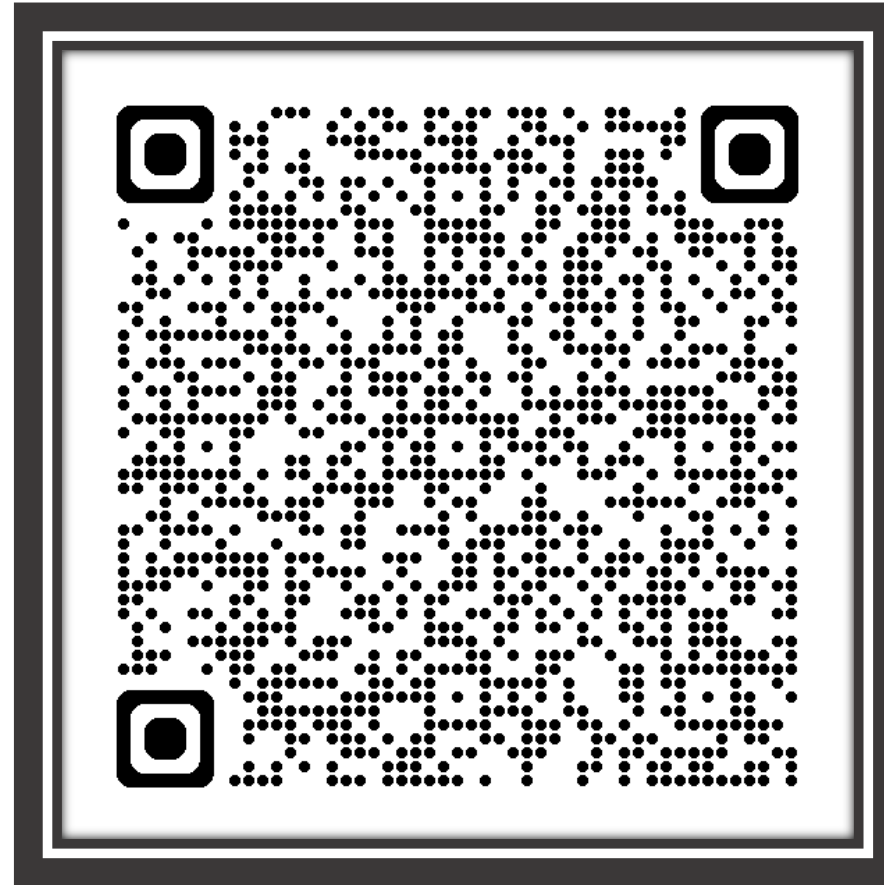
[Washington CEIP Feedback Tracker](#)

Washington Energy Resource Center:

[Energy Resource Center \(pacificpower.net\)](#)

# Equity Advisory Group Post-Meeting Survey

Link: <https://forms.office.com/r/1Nsj2vuniH>




# Appendix



# Docket UE-230172 Settlement Stipulation

Pacific Power will work with its **Low-Income Advisory Groups (LIAG)** and **Equity Advisory Group (EAG)** to discuss and seek consensus regarding the following:



## Develop enhancements to Low Income Bill Assistance (LIBA) program

- Number of discount tiers
- Use of self-declaration of income with eligibility verification for a randomly selected group



## Community-Based Organization Outreach Program



## Create an Arrearage Management Plan (AMP)



## Change to Billing Logic

- Applying Federal assistance before bill discount



**Settlement  
Stipulation  
#10**

# Billing Logic | Examples

- Current Logic with \$200 Monthly Bill, 15% LIBA Discount, \$500 LIHEAP Payment

	Month Bills (Before Discount)	Discount (15%)	Month Bills (After LIBA, Before LIHEAP)	LIHEAP	Month Bills (After Discount)	LIHEAP Remaining
October	\$200	-\$30	\$170	-\$500	\$0	-\$330
November	\$200	-\$30	\$170		\$0	-\$160
December	\$200	-\$30	\$170		\$10	\$0
January	\$200	-\$30	\$170		\$170	\$0
February	\$200	-\$30	\$170		\$170	\$0
March	\$200	-\$30	\$170		\$170	\$0
April	\$200	-\$30	\$170		\$170	\$0
May	\$200	-\$30	\$170		\$170	\$0
June	\$200	-\$30	\$170		\$170	\$0
July	\$200	-\$30	\$170		\$170	\$0
August	\$200	-\$30	\$170		\$170	\$0
September	\$200	-\$30	\$170		\$170	\$0
Total	\$2,400	-\$360	\$2,040	-\$500	\$1,540	

Bill Reduction (LIBA and LIHEAP)

-\$860
-35.8%

# Billing Logic | Examples

- Alternative Logic with \$200 Monthly Bill, 15% LIBA Discount, \$500 LIHEAP Payment

	Month Bills (Before Discount)	LIHEAP	Month Bills (After LIHEAP, Before LIBA)	LIHEAP Remaining	Discount (15%)	Month Bills (After Discount)
October	\$200	-\$500	\$0	-\$300	\$0	\$0
November	\$200		\$0	-\$100	\$0	\$0
December	\$200		\$100	\$0	-\$15	\$85
January	\$200		\$200	\$0	-\$30	\$170
February	\$200		\$200	\$0	-\$30	\$170
March	\$200		\$200	\$0	-\$30	\$170
April	\$200		\$200	\$0	-\$30	\$170
May	\$200		\$200	\$0	-\$30	\$170
June	\$200		\$200	\$0	-\$30	\$170
July	\$200		\$200	\$0	-\$30	\$170
August	\$200		\$200	\$0	-\$30	\$170
September	\$200		\$200	\$0	-\$30	\$170
Total	\$2,400	-\$500	\$1,900		-\$285	\$1,615

Bill Reduction (LIBA and LIHEAP)

-\$785
-32.7%

# Billing Logic | Examples

- Current Logic with \$100 Monthly Bill, 72% LIBA Discount, \$500 LIHEAP Payment

	Month Bills (Before Discount)	Discount (72%)	Month Bills (After LIBA, Before LIHEAP)	LIHEAP	Month Bills (After Discount)	LIHEAP Remaining
October	\$100	-\$72	\$28	-\$500	\$0	-\$472
November	\$100	-\$72	\$28		\$0	-\$444
December	\$100	-\$72	\$28		\$0	-\$416
January	\$100	-\$72	\$28		\$0	-\$388
February	\$100	-\$72	\$28		\$0	-\$360
March	\$100	-\$72	\$28		\$0	-\$332
April	\$100	-\$72	\$28		\$0	-\$304
May	\$100	-\$72	\$28		\$0	-\$276
June	\$100	-\$72	\$28		\$0	-\$248
July	\$100	-\$72	\$28		\$0	-\$220
August	\$100	-\$72	\$28		\$0	-\$192
September	\$100	-\$72	\$28		\$0	-\$164
Total	\$1,200	-\$864	\$336	-\$500	\$0	

Bill Reduction (LIBA and LIHEAP)

-\$1,200
-100.0%

# Billing Logic | Examples

- Alternative Logic with \$100 Monthly Bill, 72% LIBA Discount, \$500 LIHEAP Payment

	Month Bills (Before Discount)	LIHEAP	Month Bills (After LIHEAP, Before LIBA)	LIHEAP Remaining	Discount (15%)	Month Bills (After Discount)
October	\$100	-\$500	\$0	-\$400	\$0	\$0
November	\$100		\$0	-\$300	\$0	\$0
December	\$100		\$0	-\$200	\$0	\$0
January	\$100		\$0	-\$100	\$0	\$0
February	\$100		\$0	\$0	\$0	\$0
March	\$100		\$100	\$0	-\$72	\$28
April	\$100		\$100	\$0	-\$72	\$28
May	\$100		\$100	\$0	-\$72	\$28
June	\$100		\$100	\$0	-\$72	\$28
July	\$100		\$100	\$0	-\$72	\$28
August	\$100		\$100	\$0	-\$72	\$28
September	\$100		\$100	\$0	-\$72	\$28
Total	\$1,200	-\$500	\$700		-\$504	\$196

Bill Reduction (LIBA and LIHEAP)

-\$1,004
-83.7%