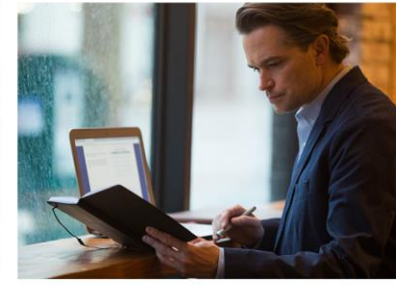


Clean Energy Transformation Act

Washington Equity Advisory Group (EAG)
March 2023 Meeting

March 9, 2023



Clean Energy Transformation Act

1-4 pm PT, March 9, 2023

For a Better Meeting Experience



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

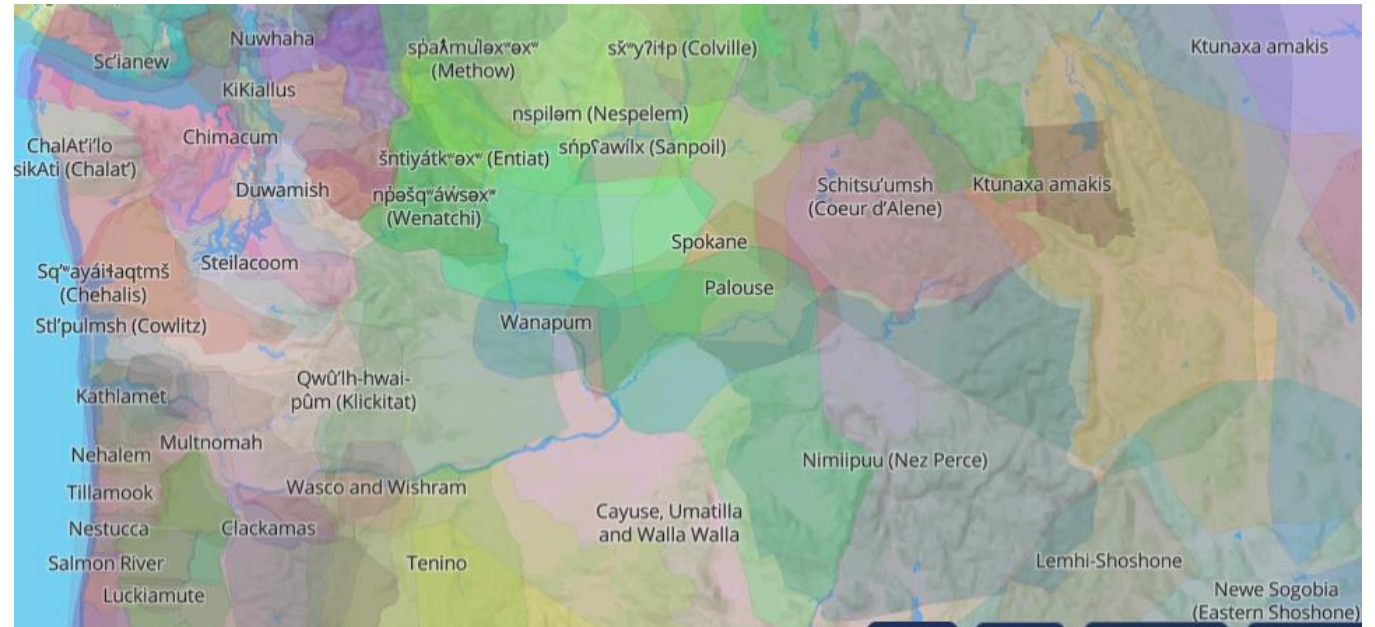
Agenda

TIMING	TOPIC
1 pm	Land Acknowledgement Community Spotlight: Perry Tech Objectives & Presenters Community Calendar Check in
1:30 pm	Washington Transportation Electrification Plan Update and Discussion
2:00pm	Envisioning WA EAG Interactive Activity
2:30 pm.	Break
2:40 pm	Draft Residential Demand Response Program and Discussion
3:10	WA Clean Energy Implementation Plan Update
3:20 pm	Public Comment
3:30 pm	Check Out, Summary & Next Steps

Land Acknowledgement

We acknowledge and respect that the land we are on today is the traditional and ancestral lands of these nations and peoples:

- ✓ Cayuse, Umatilla and Walla Walla →
- ✓ Yakama →
- ✓ Syilx (Okanagan) →
- ✓ ščəl'ámxəw (Chelan) →
- ✓ Confederated Tribes of the Colville Reservation →



We recognize the Indigenous peoples as the original stewards of this land.

As these words of acknowledgement are spoken and heard, the ties these nations have to their traditional homeland are renewed and reaffirmed.

Source: [Native-Land.ca](https://www.native-land.ca/) | [Our home on native land](https://www.native-land.ca/our-home-on-native-land/)

Community Spotlight: Perry Technical Institute



Real Skills.

Real World.

Real Success.

At Perry Tech, we are committed to offering programs that meet the real needs of the industry, are hands-on, and can be completed in five weeks to two years. For more than 80 years, we've dedicated ourselves to helping our graduates become skilled workers that are equipped with both technical knowledge and positive work habits.

Objectives

1. Update you on the Washington Transportation Electrification Plan filing and programs
2. Co-create / renew shared vision around WA EAG through an interactive activity
3. Get your feedback on proposed design for Residential Demand Response program

Today's Presenters



Steven Alaman
Transportation Electrification
Customer Programs Manager



Alex Osteen
Senior Manager,
Demand Response



Lisa Markus
E Source Managing
Director & Facilitator

Check-In

Check In Question

What interesting Spring project(s) do you have on the horizon?



Community Spotlight & Calendar

March 2023						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
26	27	28	1	2	3	4
5	6	7	8	9	10	11
		Clase de cocinar gratis! 6:00pm-7:00pm @ Providence Southgate, 1025 South 2nd Avenue Walla Walla, WA 99362		HYBRID – Washington Equity Advisory Group Meeting 1pm-4pm (PST) Onsite Location: Perry Technical Institute 2011 W. Washington Ave., Yakima, WA 98903		
12	13	14	15	16	17	18
		Wattsmart Vendor Event 7:30am-12pm @ the Marcus Whitan Hotel and Conference Center 6 W Rose St. Walla Walla, WA 99362	Wattsmart Vendor Event 7:30am-12pm @ the Convention Center 10 N 8th St. Yakima, WA 98901	Beginners Windows 10 Class 9:00am-10:30am @ Yakima Harman Senior Center		
19	20	21	22	23	24	25
			Beginners Windows 10 Class 9:00am-10:30am @ Yakima Harman Senior Center	Beginners Windows 10 Class 9:00am-10:30am @ Yakima Harman Senior Center		
26	27	28	29	30	31	1
			CWHCC Meet & Greet 5:30pm-7:00pm at the Holiday Inn 802 E. Yakima Ave. Yakima, WA 98901			
2	3	Notes:	March 15 - Beginner Windows 10 Class 9:00am - 10:30am @ Yakima Harman Senior Center			
		Notes:	March 16 - VOLUNTEER with BMAC Food Bank- Food Distribution for Seniors 1pm-4pm			

Washington Transportation Electrification Plan and Updates

Transportation Electrification Overview

VISION

To be a leader in transforming and electrifying our transportation sector throughout **diverse communities** across the West

OBJECTIVES

Reduce CO2 emissions and grid impacts

Electrify equitably throughout our territory

Improve Access to Charging

Reduce electric transportation costs

Transportation Electrification Programs



Residential Managed Charging Pilot Program

Actively manage electric vehicle loads through vehicle- and charger-enabled protocols

Customers served: Residential customers; potential for expansion to multi-family applications



Named Communities Grant

Grants support projects that advance electric transportation in underserved communities, including areas without ample access to public charging

Customers served: Non-residential customers in WA, projects must benefit Pacific Power's residential customers in WA.



Outreach and Education Program

Providing future EV drivers with greater awareness and understanding through multiple outreach and educational platforms

Customers served: Pacific Power communities and customers



NEW Residential Managed Charging Pilot Program 2023-2026

1 of 2

OBJECTIVES

- Load shift to off-peak times
- Increased customer satisfaction with PacifiCorp service offerings
- Increase affordability for EV charging for customers
- Integrate into future DR program efforts

INCENTIVE

Upfront Incentive:
~\$100-200

Ongoing Incentive:
~\$25-100

ESTIMATED FUNDING: \$370,000		
YEAR 1	YEAR 2	YEAR 3
Develop pilot and operational plan, host kick off		
Conduct data integration and EV detection modeling		
	Plan and launch marketing campaign, develop case study	
	Develop dashboard	
	Evaluate program & plan expansion	



Communities Grant Program 2023-2027

OBJECTIVES

- Reduce costs of ownership by covering up to 100% of the eligible costs of studying, planning, promoting, or deploying electric transportation technology and projects
- Encourage traditional industries to adopt and shift towards transportation electrification
- Raise awareness and education around transportation electrification for customers by highlighting what transportation electrification can do
- Provide a simple, flexible, and equitable grant funding mechanism

AWARD AMOUNTS: Cover up to 100% of the eligible costs

Scoring Methodology

Equity	<ul style="list-style-type: none"> • Detailed plan to address community mobility barriers (rural, low income, multi-family housing) • Detailed method within plan to ensure timely input and oversight from community members • Multi-language access • Project is easily accessible to surrounding communities 			
Community Benefit	Sustainability	Innovation	Use of Funds	Project Feasibility / Utilization



Communities Grant Program 2023-2027

2 of 2

ESTIMATED FUNDING: \$1.25m				
YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Develop application, grant material and program manual Begin outreach events				
Open & close application	Q3-4	Q3-4	Q3-4	Q3-4
Develop selection committee, conduct screening, select grantees	Q1	Q1	Q1	Q1
	Funding awarded & project delivered			

FUTURE

- Focus on underserved communities and innovative projects that have educational learnings
- Build broader awareness of grant opportunities



Education & Outreach Program

OBJECTIVES

- Provide positive impressions of EV technology to accelerate the adoption of EVs and EVSE charging infrastructure
- Provide customers with basic EV knowledge
- Empower motivated consumers with the tools to compare EV and EVSE models for their household, business and fleet needs

ESTIMATED FUNDING: \$730,000

YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5
Promote via web Begin outreach events Launch Dealership Engagement Program				
Offer: <ul style="list-style-type: none"> • Ride & drives • Technical Assistance to non-customers • Dealership training & e-learning 				
			Evaluate program	Evaluate program



Getting the Word Out

Through targeted outreach and marketing campaigns, Pacific Power can help to dispel misconceptions around buying and owning an EV and highlight the financial and societal benefits of EV ownership

TE Education & Outreach offers:

- Online self-education tools
- EV education at schools
- Ride and Drive events
- Technical Assistance
- Dealership engagement



Getting the Word Out

Deliver an educational campaign through key partnership and communication channels through these tactics:

- Work with local dealerships to educate potential buyers through utilizing.
- Conduct culturally appropriate communication through social media and other traditional communication sources on EV benefits.
- Create an informed network that can help promote the benefits of transportation electrification.

Increase customer and community participation through these tactics:

- Implement a technical assistance study program for both commercial and fleet customers at low to no cost.
- Offer technical self-service tools to customers to be able to make informed decisions.
- Market programs effectively within the community to encourage deeper participation.

CONTENT FROM OCT 22 EAG MEETING

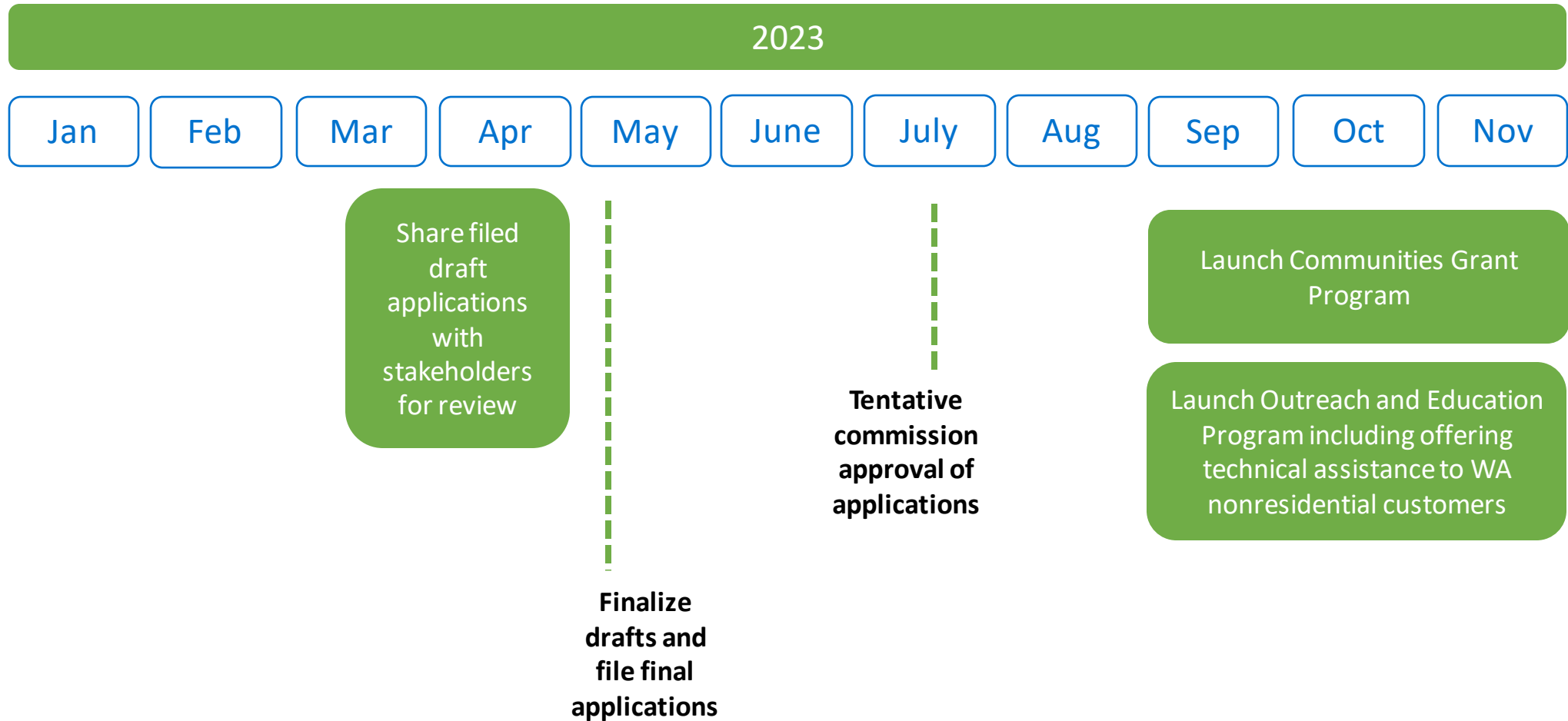
Washington Transportation Electrification

Discussion

What outreach would you like to see?

Are there any opportunities to collaborate with local events or promotional campaigns?

Next Steps



Washington EAG Interactive Activity: Envisioning our Shared Purpose

Interactive Activity

1. BREAK OUT GROUPS	2. ASSIGN A GROUP SCRIBE	3. CONSIDER THESE QUESTIONS
<p>Onsite will work in one group</p> <p>Online will work in one group</p>	<p>Group scribe will take notes, as well as participate, and report out for the team</p> <p>Team members are also invited to present as they wish</p>	<p>With words, images, photos, drawings or whatever conveys meaning to you, consider these thought starters:</p> <ul style="list-style-type: none">• What impact do you envision the WA EAG having in our communities?• What impact could we have in empowering, supporting, advancing our member organizations and their missions?• What personal impact, growth or support would you like to manifest?

BREAK

Draft Residential Demand Response Program

Demand Response: Benefit to Customers

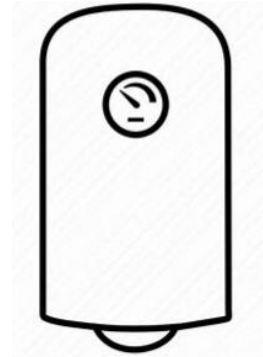
We want your feedback on the draft Residential Demand Response Program design for Washington

HOW MUCH MONEY?

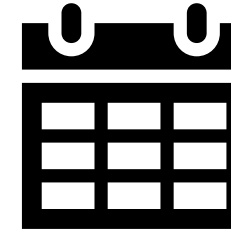


Now able to offer **\$50** for thermostats

~~\$25~~ to enroll a smart thermostat



\$25 to enroll a water heater



\$25 each year for each product continued participation

For example, if a participant enrolled their smart thermostat and water heater, they would receive ~~\$50~~ **\$75** for enrolling two products and then **\$50** each year ongoing

Who Is Eligible?



Pacific Power residential customers in Washington



Homeowner, landlord or tenant who has control over heating and cooling of the dwelling



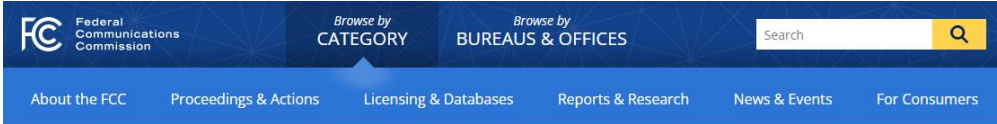
- Wi-Fi and a qualifying smart thermostat and/or regular electric water heater
- New CTA-2045 water heaters will also be eligible to participate

What do you need to participate?

Wi-Fi
allowing Pacific Power to securely monitor and manage energy use via Internet

Smart Thermostat
Wi-Fi enabled allowing automated control of your heating and air conditioning.

Water Heater
Regular electric powered and has a tank



Affordable Connectivity Program

[Español](#) | [한국어](#) | [繁體中文](#) | [Tagalog](#) | [Tiếng Việt](#)



The Affordable Connectivity Program is an FCC benefit program that helps ensure that households can afford the broadband they need for work, school, healthcare and more.

The benefit provides a discount of up to \$30 per month toward internet service for eligible households and up to \$75 per month for households on qualifying Tribal lands. Eligible households can also receive a one-time discount of up to \$100 to purchase a laptop, desktop computer, or tablet from participating providers if they contribute more than \$10 and less than \$50 toward the purchase price.

The Affordable Connectivity Program is limited to one monthly service discount and one device discount per household.

Who is Eligible for the Affordable Connectivity Program?

A household is eligible for the Affordable Connectivity Program if the household income is at or below 200% of the Federal Poverty Guidelines, or if a member of the household meets at least one of the criteria below:

- Received a Federal Pell Grant during the current award year;

ACP: What It Is & How It Works



Helping families get connected to broadband during the pandemic.
Video: [Chairwoman Rosenworcel](#) | [en español](#) | [ASL](#)

Federal Communications Commission website:
<https://www.fcc.gov/acp>

Smart Thermostat Requirements

What do you need to participate?

Wi-Fi

allowing Pacific Power to securely monitor and manage energy use via Internet

Smart Thermostat

Wi-Fi enabled allowing automated control of your heating and air conditioning.

Water Heater

Regular electric powered and has a tank



Washington Customers

\$100 Smart Thermostat coupon

Valid only at:

- Online at HomeDepot.com
- In-store at College Place and Yakima Home Depot locations
- In-store at Lowe's of Yakima
- Online at Lowes.com
- Hometown Ace Hardware – Yakima
- Roy's Ace – Yakima
- Oak Creek Ace – Naches

Smart thermostats purchased at other retailers are eligible for a [post-purchase rebate](#).

[CLAIM COUPON](#)

[Coupon Page](#) | [Wattsmart Savings](#)

Types of Smart Thermostats (1 of 2)



Nest Smart Learning Thermostat - 3rd...
\$189.99
Walmart



Google - Nest Learning Smart Wifi Thermostat -...
\$249.99
Best Buy



Google Nest Learning Thermostat
\$249.00
OnTech

Google Nest –

about 50% of the smart thermostat market in Pacific Power’s Washington service areas

Honeywell – about 30% of market



Honeywell Home Wi-Fi 7-Day Programmable...
\$68.97
Amazon.com



Honeywell Home RTH9585WF Wi-Fi Smart Color...
\$179.99
Wayfair

Types of Smart Thermostats (2 of 2)

Emerson

Combined – remaining about 20% of market

Ecobee



Pick up today

Emerson Sensi Built In WiFi Heating and Cooling Push...

\$129.99

Ace Hardware



Emerson 1F95-0671 Low Volt Prog Tstat Heat/Cool, 20-30V...

\$100.32

Zoro



Emerson Sensi Touch Wi-Fi Smart Thermostat with...

\$149.00

Home Depot



Emerson 1F80-0224 Blue 2" Thermostat, Single...

\$51.00

eComfort.com



Ecobee Thermostat, Wi-Fi Enabled, ...

\$239.95

Global Industrial



Certified Refurbished ecobee3 lite ecobee \$119.99 Refurbished ecobee



Smart Thermostat Premium ecobee \$229.99 \$249.99 ecobee

Water Heater Requirements

Pacific Power **Washington** Customers

What do you need to participate?

Wi-Fi

allowing Pacific Power to securely monitor and manage energy use via Internet

Smart Thermostat

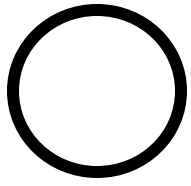
Wi-Fi enabled allowing automated control of your heating and air conditioning.

Water Heater

Regular electric powered and has a tank

Don't have to purchase anything new; an existing electric water heater in good condition and safely connected will do. Third-party field staff will come out to install a switch on the heater.





Overall Program

- Website
- Social media
- Word of mouth
- Promote via community organizations
- Culturally-responsive messaging
- Press release(s) with local media

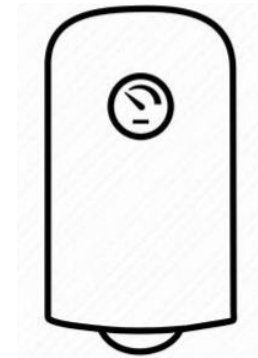
Outreach Strategy



Smart Thermostats

Initially targeting customers living in single-family dwellings via mass marketing communications approach:

- Bill “stuffers”
- Dovetail with other outbound marketing -- like letters or emails -- for smart thermostat incentives and other energy efficiency offerings
- Sync with Black Friday / Cyber Monday promotions
- Thermostats themselves and their mobile apps



Water Heaters

Initially focus on apartment building managers* via 1-1 direct marketing:

- Outbound calls and emails
- In-person meetings
- Collaboration with energy efficiency outreach

*Single family participants are also eligible



Identified potential barriers:

- Affordability of a smart thermostat
- Shared water heater
- Wi-Fi/ connectivity challenges
- Limited understanding of the program
- Climate impacts



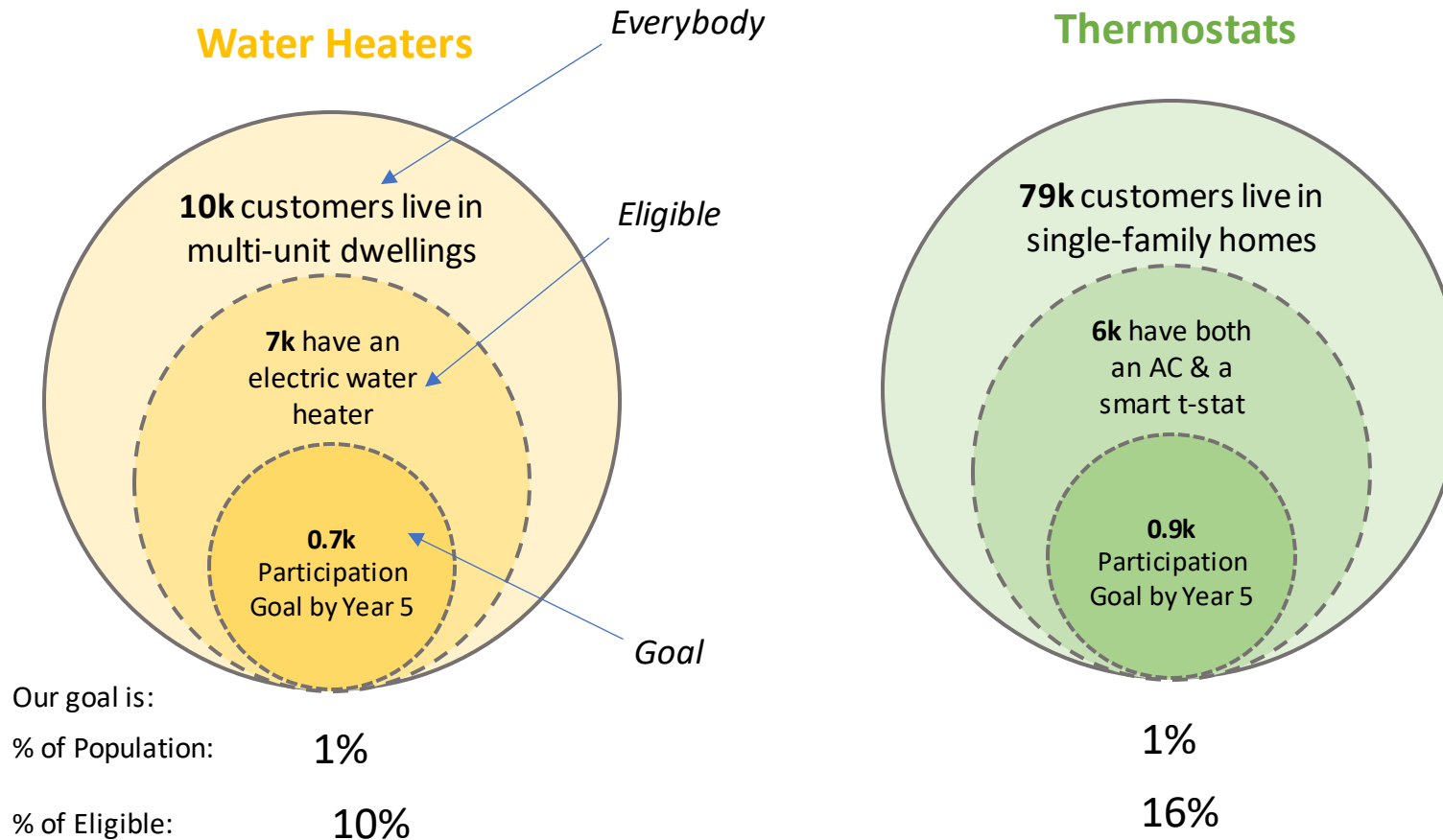
Designing a
program
for our
community.

Working to Address Barriers to Participation

The program attempts to address equity considerations head-on through its design

- ❖ Reaches customers living in multi-unit dwellings
- ❖ Pays financial incentives to residential customers and requires no up-front costs to participate
- ❖ Pairs well with existing incentives for smart thermostats to extend the benefits of that technology
- ❖ Aims to partner with existing energy efficiency programs and agencies that already offer benefits to disadvantaged customers

How big are our Washington program goals?



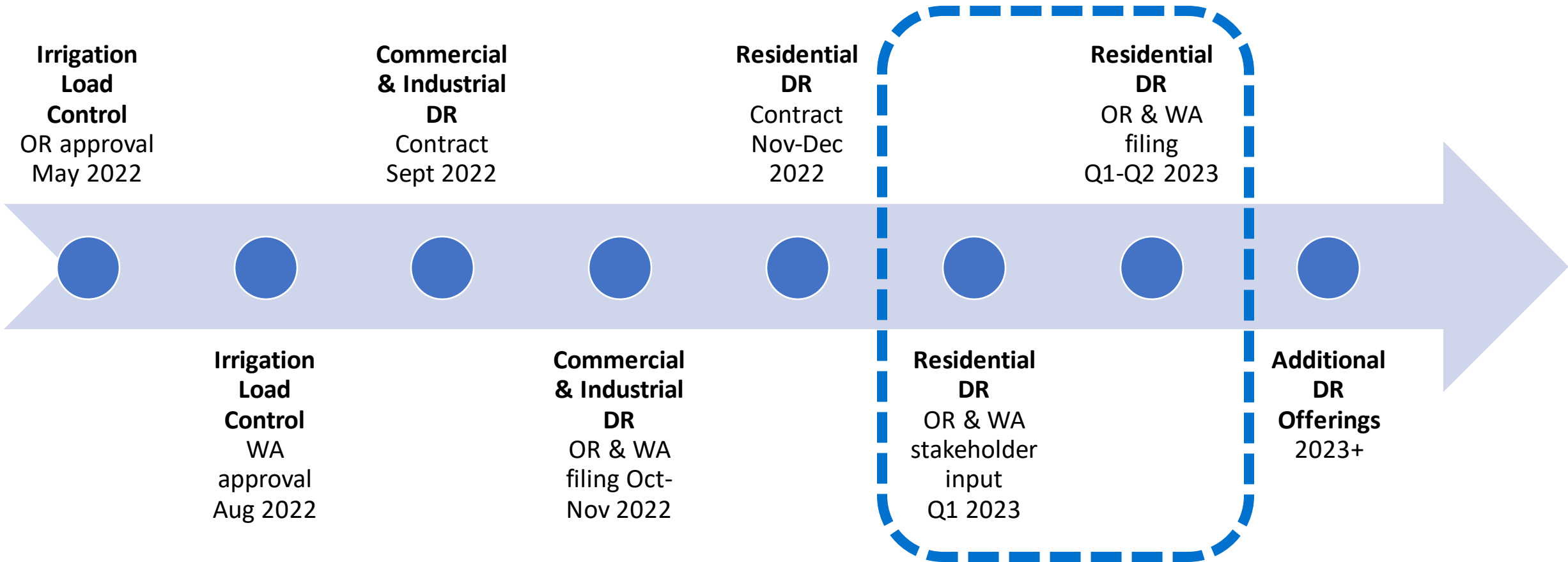
Is the program “a good deal”?

Inputs used in the benefit-cost calculations

Description	Benefit	Cost
Avoided energy (includes emissions) Avoided generation investment Avoided transmission investment Avoided distribution investment Reserve (avoided battery or market purchases)	X	
Incentives Third party delivery Evaluation Utility internal Participant "costs" (loss of comfort)		X

How can we tell if the electric grid and our customers are better off for having this program than they would be otherwise? A common method is to see if the program’s **benefits** are higher than its **costs**, in other words if it has a benefit-cost ratio greater than 1.

Demand Response Timeline



Progress

- **Jan 10, 2023** – hosted **technical workshop**
 - Jan 24, 2023 – posted workshop notes
 - Addressed ~20 or so comments and questions
- **Feb 9, 2023** – **Met with EAG**
- **Week of Feb 20, 2023** -- Worked to increase incentive for enrolling thermostat to \$50
- **Week of Feb 20, 2023** -- Updated cost effectiveness model for Oregon program
- **Feb 27, 2023** -- Authored and shared out draft advice letter for Oregon for feedback
- **Mar 9, 2023** – **Met with EAG**

Next Steps

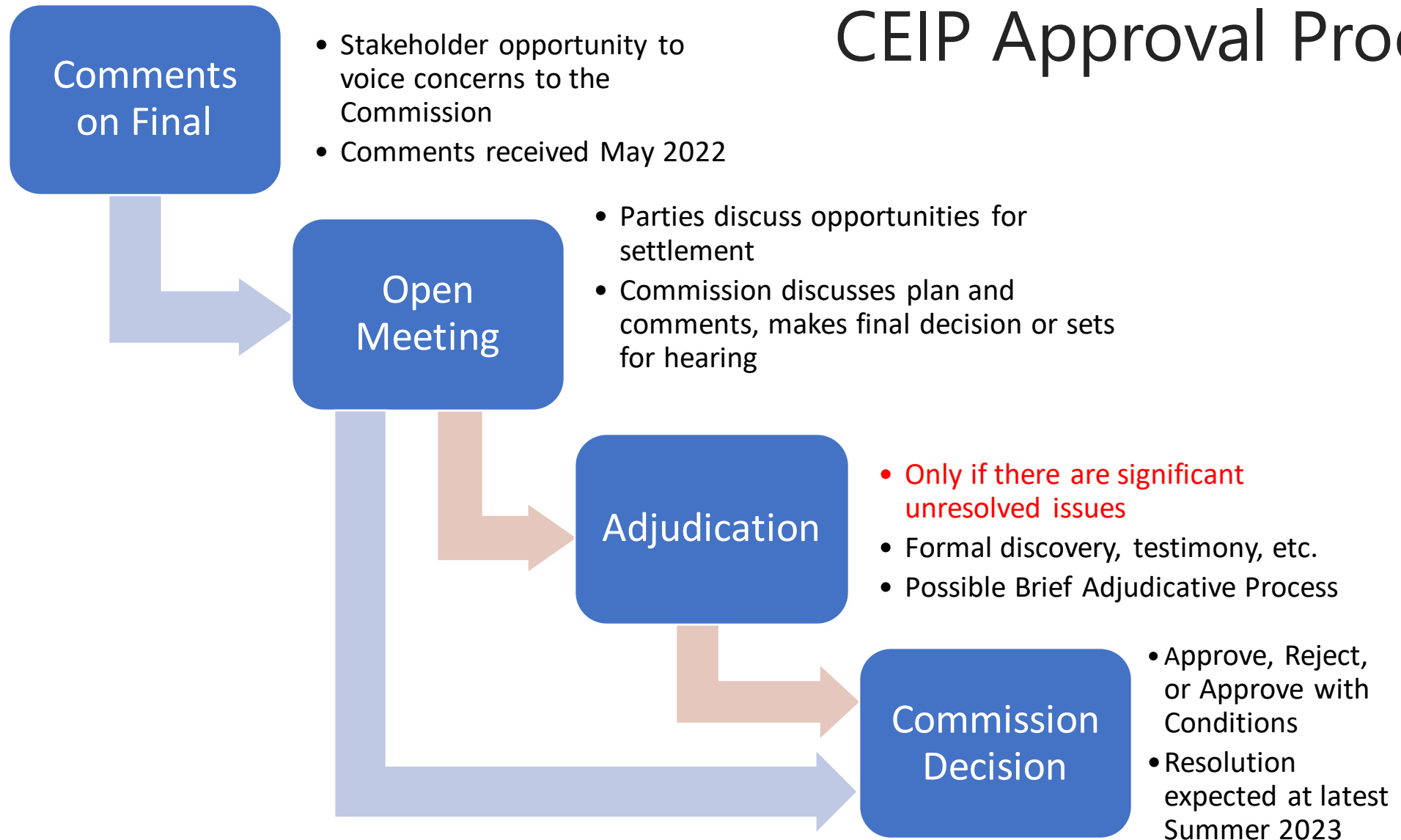
- **Week of Mar 13, 2023** -- Leverage Oregon filing as starting point for draft of Washington filing
- **Week of Mar 20, 2023** -- Update cost effectiveness model for Washington program, leveraging Oregon model
- **Week of Mar 27, 2023** -- Post draft filing for **stakeholder & EAG review**
- **Week of Apr 10, 2023** – Deadline for **receiving feedback** on draft filing
- **Mid-to-late Apr 2023** – Expect to share program plans with WUTC*
- **Late May / Early June 2023** – Expect to launch program
- **Summer 2023** -- Report DR progress in biennial CEIP update to receive formal “approval” from WUTC*

Green text indicates places where EAG is directly involved.

Any thoughts or questions about the proposed Residential Demand Response program?

WA Clean Energy Implementation Plan Update

CEIP Approval Process



Public Comments

What's your big takeaway from today's conversation?

Next Steps...



Next Steps

- 1. Materials.** We will share and post remaining March 2023 EAG Meeting materials in advance of the **next meeting on April 13, 1-4 pm PST**, with materials also available in Spanish.
- 2. 2023 Planning.** Dates for the May one-on-one local visits will be May 2nd through 4th. Remaining meeting invitations (second half of 2023) will be sent out soon.

Appendix

Washington Equity Advisory Group 2023 Meeting Schedule

Date / Time / Meeting Format	Proposed Agenda Topics*
January 12th, 1pm-4pm (PST) Online	Washington Rate Case; Craft3 WA Home Energy Loan Program Community Connections
February 9th, 1pm-4pm (PST) Online	Wattsmart Small Business Lighting (Utility Actions Update) Demand Response Core Concepts WA Residential Survey: Closing the Feedback Loop
March 9th, 1pm-4pm (PST) Hybrid: Perry Technical Institute (Yakima)	Transportation Electrification Washington Plan Filing, Feedback, and CBI Update Demand Response Washington Filing and CBI Update Energy Efficiency Updates (System Benefits Charge Review) Community Spotlight
April 13th, 1pm-4pm (PST) Online	Communications Team Vision & Updates; Comms CBI Update Community Connections
May (Dates TBD)	Local, in-person visits with the WA Equity Advisory Group Presentation: Wildfire Mitigation
June 8th, 1pm-4pm (PST) Online	CEIP Annual Progress Report Check In; Energy Efficiency Updates (including CBIs) Community Connections
July 13th, 1pm-4pm (PST) Hybrid	Filed CEIP Annual Progress Report & Feedback; WA Non-Energy Impacts Updates Community Connections
August	No Meeting
September 14th, 1pm-4pm (PST) Online	Energy Efficiency Updates (Preview Biennial Conservation Plan and program changes) Community Connections
October 12th, 1pm-4pm (PST) Hybrid	Energy Efficiency Updates Community Connections
November	No Meeting
December 7th, 1pm-4pm (PST) Online	End of the Year Survey and Reflection; 2024 Planning

Outreach and Education Program

Description: Providing future EV drivers with greater awareness and understanding through multiple outreach and educational platforms
 Customers served: Pacific Power communities and customers

	Estimated Funds	Objectives	Timing	Program Type
Today/Future	\$730k	<ul style="list-style-type: none"> • Provide positive impressions of EV technology to accelerate the adoption of EVs and EVSE charging infrastructure • Provide customers with basic EV knowledge • Empower motivated consumers with the tools to compare EV and EVSE models for their household, business and fleet needs 	2023-2027	Outreach and Education
Future Enhancements		<ul style="list-style-type: none"> • Explore and create a workforce development initiative to support the future needs of transportation electrification • Initiate an education program through key partnerships focused on K-5 schools 		
<ul style="list-style-type: none"> • Better understand customer barriers and opportunities in increasing EV adoption • Better understand customer barriers and opportunities in increasing customer owned EV infrastructure • Determine if dealership engagement accelerates EV adoption • Identify utility best practices for outreach and education • Identify what customers are focused on electrifying informed by technical assistance reports • Uncover learnings from data gathered during the pilot related to utilization, EV adopted, grid impacts, etc. 				

Outreach and Education Program Timeline

Description: Providing future EV drivers with greater awareness and understanding through multiple outreach and educational platforms
 Customers served: Pacific Power communities and customers

Outreach and Education	Y1				Y2				Y3				Y4				Y5			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.0 Launch																				
1.1 Update website and begin promoting program offerings																				
2.0 Event scheduling and promotion																				
2.1 Finalize outreach event schedule																				
2.2 Begin outreach event promotion																				
2.3 Launch dealership engagement program																				
3.0 Program delivery																				
3.1 Offer ride and drive events																				
3.2 Offer technical assistance to non-residential customers																				
3.3 Offer dealership trainings and access to eLearning platforms																				
3.4 Engage in customer communications for TE offerings																				
4.0 Evaluation																				
4.1 Conduct program evaluations																				

Named Communities Grant

Description: Grants support projects that advance electric transportation in underserved communities, including areas without ample access to public charging
 Customers served: Non-residential customers in WA, projects must benefit Pacific Power's residential customers in WA.

	Estimated Funds	Objectives	Award Amounts	Timing	Program Type	Potential Ports Enabled/EV Participation
Today	\$1.25M	<ul style="list-style-type: none"> Reduce costs of ownership by covering up to 100% of the eligible costs of studying, planning, promoting, or deploying electric transportation technology and projects Encourage traditional industries to adopt and shift towards transportation electrification Raise awareness and education around transportation electrification for customers by highlighting what transportation electrification can do Provide a simple, flexible, and equitable grant funding mechanism 	Cover up to 100% of the eligible costs	2023-2027	Grants	~1-3 per year
Future	\$WA Range needs to be updated	<ul style="list-style-type: none"> Focus on underserved communities and innovative projects that have educational learnings Build broader awareness of grant opportunities 	Cover up to 100% of the eligible costs	2023-2027	Grants	~2-6 per year

Learning Objectives:

- Uncover opportunities and challenges for delivering a successful grant program to communities
- Analyze usage data from grantees and conduct locational analysis to understand what types of technologies support greater utilization
- Determine how effective is peer to peer roundtables as a tool for continuous improvement
- Understand how continued learning and course correction can be iteratively integrated into the grant program

Scoring Methodology

CONTENT FROM OCT 22 EAG MEETING

Categories	Subcategories
Community Benefit	How many are served through this project?
	What are the benefits for Named Communities?
Sustainability	Whether the project will lead to new EV users?
	Whether the project can be maintained (lifetime)?
Innovation	Creative project design, partnerships, and utilization of resources, particularly serving underserved populations.
	Likelihood of stimulating the electric mobility marketplace.
	Is the project innovative? Has this been done before?
Use of Funds	Applicant has internal financial commitment to match funds and/or leverages funds from other reliable sources.
	Does the project utilize cost saving measures and or incentives?
	Reasonableness of the proposed budget.
Project Feasibility/Utilization	Identified potential project barriers and demonstrated strategic response.
	Reasonableness of the project plan and timeline.
	Readiness of the project team.
Additional Benefits	Proposed projects include commitment to community visibility and outreach to community about the project.
	Project expresses plans to expand upon the proposed project in the future.
	Will this project create educational access and awareness opportunities?
Equity	Detailed plan to directly address barriers to mobility for communities currently underserved by electric transportation (ex. Rural communities, low-income communities, low-medium priced multi-family housing etc.)
	Detailed methods within plan to ensure timely input and oversight from community members.
	Multi-Language Access: Will project include languages in the area?
	Project is easily accessible to the surrounding communities.

Named Communities Grant Timeline

Description: Grants support projects that advance electric transportation in underserved communities, including areas without ample access to public charging
 Customers served: Non-residential customers in WA, projects must benefit Pacific Power's residential customers in WA.

Named Communities Grant Program		Y1				Y2				Y3				Y4				Y5			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.0 Launch																					
1.1	Develop application and grant materials																				
1.2	Develop program implimential manual																				
1.3	Launch outreach																				
1.4	Washington website is updated																				
1.5	Open application window																				
2.0 Application Screening & Event scheduling																					
2.1	Application window opens																				
2.2	Application window closes																				
3.0 Marketing & Outreach																					
3.1	Develop section committee																				
3.2	Conduct initial screening																				
3.3	Host selection committee decision meetings																				
3.4	Selection completed for grantees																				
4.0 Funding Awarded																					
4.1	Executive approval																				
4.2	Notify recipients																				
4.3	Grant agreements																				
4.4	Prepayment available																				
4.5	Project delivered																				
4.6	Project closeout executed																				

Residential Managed Charging Pilot Program

Description: Actively manage electric vehicle loads through vehicle- and charger-enabled protocols
 Customers served: Residential customers; potential for expansion to multi-family applications

New Offer

Estimated Funds	Objectives	Incentive Amount	Timing	Rates & Pricing Strategy	Program Type	Potential Ports Enabled/EV Participation
\$370k	<ul style="list-style-type: none"> • Load shift to off-peak times • Increased customer satisfaction with PacifiCorp service offerings • Increase affordability for EV charging for customers • Integrate into future DR program efforts 	<p>Upfront Incentive: ~\$100-200</p> <p>Ongoing Incentive: ~\$25-100</p>	<p>Procurement: 2023</p> <p>Implementation: 2024- 2026</p>	<ul style="list-style-type: none"> • Schedule 16 (Residential Service) • Schedule 19 (Residential Time of Use) 	Rebates	~135-270 (~5% to 15% of EV population)

Learning Objectives:

- Calculate total EV load enrolled in managed charging and potential for managed charging
- Determine an estimated percent of EV load enrolled in managed charging
- Understand barriers to participation in managed charging programs
- Determine if controllability of the vehicle telematics or EVSE charger enables better program participation
- Learn how this offering could get integrated with renewable generation management
- Explore potential ways to allow Pilot participation by EV owners who reside in multi-dwelling housing units
- Explore feasibility of offering tiered incentives based on participating customers' income levels
- Investigate if managing EV load has impacts on distribution system planning and expenses

Future

Residential Managed Charging Pilot Program Timeline

Description: Actively manage electric vehicle loads through vehicle- and charger-enabled protocols
 Customers served: Residential customers; potential for expansion to multi-family applications

New Offer

Managed Charging Pilot Timeline		Y1				Y2				Y3			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1.0 Launch													
1.1	Host kickoff meeting with team members	█											
1.2	Develop pilot documentation and operational plan	█	█										
2.0 Technical Integrations													
2.1	Determine specs for securely integrating data across platforms	█	█										
2.2	Conduct EV detection modeling		█	█	█	█	█						
3.0 Marketing & Outreach													
3.1	Align on marketing and outreach strategies	█	█										
3.2	Develop marketing collateral		█	█									
3.3	Launch initial customer outreach			█	█								
3.4	Perform continuous marketing and outreach efforts			█	█	█	█	█	█	█	█	█	
3.5	Develop case study										█	█	
4.0 DERMS													
4.1	Establish program dashboard			█	█	█	█						
4.2	Explore integration into DERMS					█	█	█	█				
5.0 Evaluation													
5.1	Contract with third-party evaluation firm						█	█					
5.2	Conduct process and impact evaluation, measure cost effectiveness							█	█	█	█		
6.0 Expansion Feasibility													
6.1	Leverage evaluation results to determine feasibility of future expansion										█	█	