

Clean Energy Transformation Act

Washington Equity Advisory Group
April 2022 EAG Meeting

April 13, 2022



PacifiCorp Equity Advisory Group (EAG) April Meeting April 13, 2022, 1pm-4pm Pacific Time

EAG Members:

- If you are able, please keep your camera on for as much of the meeting as possible (icon in bottom left) but stay muted unless speaking.
- Please use the chat at any time to engage in the conversation or ask questions.
- To raise your virtual hand to speak, click on "Reactions" in your tool bar, select "Raise Hand."

Public Observers:

- Please stay on mute with your camera off until the public comment period.
- Please use the chat for technical support by messaging "Jacob Becker, RMI," but please do not ask questions or respond to prompts in the chat until the public participation period.

Recommend all attendees use "gallery view" option in Zoom

April 2022 Meeting Objectives

- Hear from EAG members about their organizations
- Share updates on Residential Energy Efficiency and Agriculture Demand Response programs
- Introduce Time of Use Rate pilot
- Provide feedback on application, selection, payments, and reporting draft plans for transportation electrification grant

April 2022 Meeting Agenda

Time (PT)	Agenda Item
1:00 pm	Welcome and EAG Check In
1:20 pm	Presentation: EAG Member
1:30 pm	Updates: Residential Energy Efficiency and Agricultural Demand Response
2:00 pm	Presentation: Time Of Use Rate
2:30 pm	Break
2:40 pm	Activity: Transportation Electrification Grant Process Feedback
3:30 pm	Public Comment
3:40 pm	Presentation: EAG Member
3:50 pm	EAG Check Out and Next Steps

- **Welcome Kimberly Alejandro**
 - Yakima Valley Farm Workers Clinic
 - Professional: Weatherization Program Manager
 - Education: University of Washington, BA in Psychology with a minor in Global Health, Touro University, MA in Psychology, Currently working on MBA at Western Governor's University
 - Data driven
 - Communication skills
 - Committed to underserved populations and impact on the environment
- **CEIP Comments**
 - Updating website
- **Personnel Changes**



SLC's Community Energy Efficiency Program (CEEP)

CEEP offers low cost home energy audits to identify and incentivize recommended energy efficiency upgrades.

About CEEP

- CEEP started in 2009 as a federally funded pilot program.
- Today CEEP is administered state-wide by the Washington State University Energy Program and is funded through the WA State Department of Commerce.
- SLC CEEP serves homeowners in Columbia, Franklin & Walla Walla Counties.



Energy Upgrades Incentivized:

- Insulation & Air Sealing (**Attic, Wall, Floor & Basement**)
- Duct Sealing & Insulating
- High Efficiency Windows
- High Efficiency Heat Pumps
- Heat Pump Hot Water Heaters
- Smart Thermostats
- Heat Pump Clothes Dryers
- Exterior Entry Doors



Why CEEP?



Why?

1. Energy Savings – Lower Bills
2. Education – Home Energy Audit
3. Employment – Contractors

Who?

- Homeowners & landlords not served by a low income weatherization program like BMAC
- Homeowners & landlords with wood, propane or oil as primary heat source

Benefits of CEEP:

- Reduction of overall demand on the grid and reduced utility bills for consumers
- Home Comfort & Safety
- Housing Stability benefitting landlords, renters and homeowners
- Economic Vitality through job creation and supporting local businesses



2019-2021 CEEP

COMMUNITY IMPACT

Customer Match -
\$1,769,456

CEEP Match -
\$792,696

Utility Match -
\$313,478

TOTAL IMPACT
\$2,875,630

CEEP completed 495 energy upgrades via 314 contracted jobs with 44 contractors for 258 Customers.

Upgrade TYPE	No. of Upgrades/ Sq. Ft. Installed
Attic Insulation	134,708 Sq. ft.
Wall Insulation	74,528 Sq. Ft.
Floor Insulation	60,197 Sq. Ft.
Duct Sealing	35
Windows	19,860 Sq. Ft.
Ducted Heat Pumps	48
Ductless Heat Pumps	89
Gas Furnace	18
Hot Water Heater	1
Smart Thermostat	1

CEEP Story # 1

DOWNTOWN – OLD TOWN PASCO – Franklin County

**9 Residential Units & 4 Commercial
Units Received Incentives
HVAC & WINDOWS UPGRADES**



CEEP Story # 2

COLUMBIA COUNTY – MOUNTAIN CABIN HOME – Columbia County

ATTIC & WALL INSULATION, WINDOWS & DUCTLESS HEAT PUMP UPGRADES



CEEP Story # 3

LOCAL 1920 HOME – Walla Walla County

DUCT SEALING & INSULATING, ATTIC, WALL, FLOOR INSULATION, & WINDOWS UPGRADES



Other Programs

in Conjunction w/CEEP

- [Craft3](#) – Loans and on bill financing for Pacific Power Customers
- [PSCCU](#) – Energy Smart Loans
- PPL FREE Lighting Program – Replace 18 bulbs for 6 customers
- Solar Rebate - \$57K to 19 Customers



CRAFT



Update: Residential Energy Efficiency



Clean Energy Implementation Plan (CEIP)

Home Energy Savings

Customer Benefit Indicator (CBI)	Metrics
Participation in company energy and efficiency programs and billing assistance programs	Number of households, including named communities, participating
Efficiency of housing stock, including low-income housing	Number of households participating, Efficiency expenditures

Utility Actions for Home Energy Savings

Enhanced **incentives for windows in multi-family units** on residential rate schedules. Initial focus on buildings in Highly Impacted Communities.

Continue direct install **residential lighting in multi-family units**. Continue focus in Highly Impacted Communities.

Maintain and expand if possible general-purpose **lamp buy down in “dollar stores”** in Highly Impacted Communities.

Continue **manufactured home direct install duct sealing and lighting**. Continue focus in Highly Impacted Communities.

Continue promoting **new construction offerings** for multifamily and single family units. Continue focus in Highly Impacted Communities.

Home Energy Savings CEIP Utility Actions Update

Utility Action	Update
<p>Continue direct install residential lighting in multi-family units. Continue focus in Highly Impacted Communities.</p>	<ul style="list-style-type: none">• 473 LED bulbs installed across 5 complexes in Yakima since September 2021 (about 200 units plus common areas)• Referring commercial lighting in common areas to Wattsmart Business.• Capturing info on the facilities for follow up• Canvassing on the ground for smaller apartment complexes likely to have lower income or high % Hispanic community members
<p>Maintain and expand if possible general-purpose lamp buy down in “dollar stores” in Highly Impacted Communities.</p>	<ul style="list-style-type: none">• Program delivery contractor signing up “value retailers” serving customers in Highly Impacted Communities

Lamp Buy Down: Participating Retailers Serving Customers in Highly Impacted Communities



Habitat for Humanity store display in Yakima

Purchase price is \$0.99 for four bulbs

SPECIAL PRICING
on energy-saving home lighting.



Store Name	Street Address	City
Dollar Tree Yakima (72nd)	140 S 72nd Ave	Yakima
Dollar Tree Yakima (Nob Hill)	703 W Nob Hill Blvd	Yakima
Dollar Tree Yakima (Fair Ave)	120 N Fair Ave	Yakima
Habitat For Humanity (Yakima, Mead Ave)	21 W Mead Ave Ste 104	Yakima
Habitat For Humanity (Yakima, 1st St)	2203 S 1st St	Yakima
Hometown Ace Hardware	3700 Tieton Dr	Yakima
Roy's Ace Hardware	405 W Yakima Ave	Yakima
C&H True Value Hardware	1403 Fruitvale Blvd	Yakima
Country Farm & Garden True Value	6 W Washington Ave	Yakima
Helms True Value Hardware	475 N Wenas Rd	Selah
Goodwill Selah	503 S 1st St	Selah
Goodwill Yakima	3710 Tieton Dr	Yakima
Roy's Ace Hardware	405 W Yakima Ave	Yakima
Helm's True Value Hardware	475 N Wenas Road	Selah
Dollar Tree Yakima (72nd)	140 S 72nd Ave	Yakima
Dollar Tree Yakima (Nob Hill)	703 W Nob Hill Blvd	Yakima
Dollar Tree Yakima (Fair Ave)	120 N Fair Ave	Yakima
Habitat For Humanity (Yakima, Mead Ave)	21 W Mead Ave Ste 104	Yakima
Habitat For Humanity (Yakima, 1st St)	2203 S 1st St	Yakima
Hometown Ace Hardware	3700 Tieton Dr	Yakima

Workshops for Agricultural Workers

Customer Benefit Indicator	Metric	Update
Community-focused efforts and investments	Workshops on energy related programs	<p>Partnership with Fruit Packing Industries</p> <ul style="list-style-type: none">• Use existing relationships with large business customers to engage in outreach to their employees• 10-Minute Break Room Session• Presentation provided by Spanish speaking outreach representative <p>Handouts:</p> <ul style="list-style-type: none">• Home Energy Savings program information• Bill assistance information• LED light bulb – this is a new idea <p>11 businesses contacted</p> <ul style="list-style-type: none">• 8 want in person presentations with handouts• 3 want handouts only• First presentation scheduled April 15



Agricultural Worker Presentation Handouts

WATTSMART WASHINGTON
HOME ENERGY SAVINGS

FIND SAVINGS FOR YOUR *home*



START SAVING TODAY

Pacific Power residential customers can apply for Wattsmart Home Energy Savings incentives and rebates. Cash back is available for high-efficiency products and services that lower your energy costs and improve the comfort of your home.*

Visit: wattsmartsavings.net/washington-residential/ to learn more and find rebates.

Questions? Please email pacificpower@wattsmartsavings.net or call 1-855-805-7231.

Home Energy Savings handouts in English and Spanish

WATTSMART WASHINGTON
HOME ENERGY SAVINGS

ENCONTRAR AHORROS PARA SU *hogar*



COMIENCE A AHORRAR HOY

Los clientes residenciales de Pacific Power pueden solicitar incentivos y reembolsos de Wattsmart Home Energy Savings. El reembolso está disponible para productos y servicios de alta eficiencia que reducen sus costos de energía y mejoran la comodidad de su hogar.*

Visite: wattsmartsavings.net/washington-residential/ para obtener más información y encontrar reembolsos.

¿Preguntas? Envíe un correo electrónico a pacificpower@wattsmartsavings.net o llame al 1-855-805-7231.

Bill Assistance handouts in English and Spanish

Manufactur

Manufactured
Heat Pump Up
Federal :
9.0 t
Heat Pump in
Manufactured
Evapor:
Evaporati



Pacific Power's Low Income Bill Assistance Program (LIBA)

Reduce your Pacific Power bills year-round. The Low Income Bill Assistance Program (LIBA) is available to income-eligible households and there are many benefits to participating:

- Customers are estimated to see savings of approximately \$650 each year. LIBA credits are dependent on monthly electricity usage.
- The energy assistance program, LIHEAP, averaged about \$500 per household last year. By taking advantage

Reembolsos e Incentivos para Casas Prefabricadas

Incentivo de bon
Actualización c
Actualiza
Conversión de
Conversión
Bom
Bomba de calor inst
Incentivos para e
Enfriador ev
Enfriador evaj



Programa de Asistencia de Pago de Facturas para Hogares con Bajos Recursos (LIBA, por sus siglas en inglés)

Reduzca sus facturas de Pacific Power todo el año. El Programa de Asistencia de Pago de Facturas para Hogares con Bajos Recursos (LIBA, por sus siglas en inglés) está disponible para hogares con ingresos elegibles y hay muchos beneficios por participar:

- Se estima que los clientes podrán ver ahorros de aproximadamente \$650 al año. Los créditos LIBA dependen del uso mensual de electricidad.
- El programa de asistencia de energía, LIHEAP (por sus siglas en inglés), tuvo un promedio de \$500 por hogar el año pasado. Si

Update: Agriculture Demand Response



Irrigation Load Control

An “event” is when participating customers are asked to turn off their equipment to conserve electricity.

Draft Program Details: Irrigation Load Control	
Season	May 1 to Sept 15
Eligible event hours	12 PM - 10 PM
Maximum event duration	4 hours
Maximum number of events per year	20
Total event hours per season	52
Event notification	Day ahead or hour ahead
Customer incentives	\$18 - \$35 per kW reduction
Incentive calculation	Payment is calculated at the end of the season based on average kW delivered during events

- Draft program is anticipated to be filed in May.
- **Eligibility:** Customers receiving service for agricultural irrigation and agricultural soil drainage pumping.
- **Marketing and outreach** is expected to use existing business manager relationships with customers, emails, postal mailing, telephone, face-to-face meetings, and industry events.
- We would like to build **local partnerships** in support of the program and welcome any input on potential community partners.

Presentation: Time of Use Rate



Video Promotion



Time of Use is an option that may help you save on your bill when you shift energy use away from on-peak hours. Visit pacificpower.net/tou to learn more.

What is a Time of Use (TOU) Rate?

A “dynamic” rate option with **different prices for electricity used at different times** of the day and times of the year.

What is the goal of time of use?

- **System reliability:** Encourage customers to shift their electricity usage to times that are less congested to support reliability
- **Environment:** Use electricity when renewable resources (mostly wind) are available
- **Cost efficiency:** Prices reflect that utility costs fluctuate; when utility saves money, those savings can be passed on to customers



Pacific Power's TOU Pilot in Washington

Overview

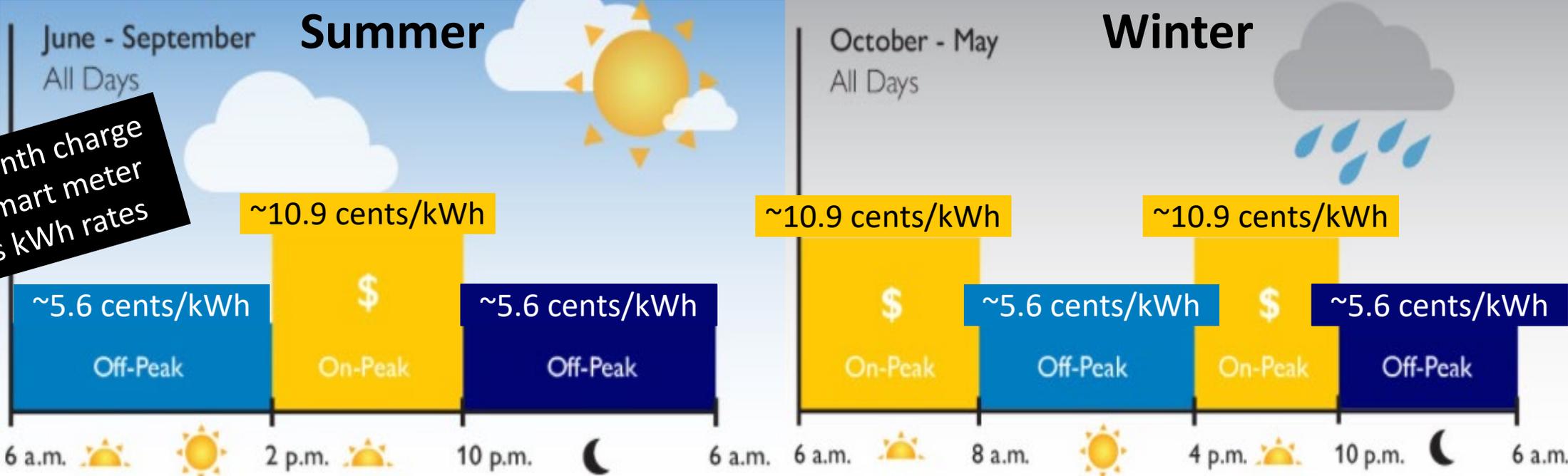
- Launched in May 2021
- Program will run for 3 years with a potential 2-year extension
- 500 participant cap
- Less than 10 customers enrolled

Purpose

- Evaluate structure and customer experience through survey
- Determine next steps based on feedback



Pilot TOU Details



For comparison, standard residential rates:

- ~6.2 cents/kWh for first 600 kWh each month
- ~9.1 cents/kWh for usage above 600 kWh

Additional information:

- Can be enrolled in TOU with Low Income Bill Assistance
- If bills are higher in the first year, customers will not pay more than 10% higher electricity costs (\$ for total kWh used)

Who Has Savings Opportunities?

Estimated Residential Bill Impact

Usage kWh per Month	Percentage of kWh Shifted to Off-Peak			
	0%	10%	35%	50%
500	\$123 (25%)	\$104 (21%)	\$58 (12%)	\$31 (6.3%)
750	\$119 (16%)	\$92 (12%)	\$23 (3%)	-\$18 (-2.5%)
1,000	\$81 (8%)	\$44 (4%)	-\$48 (-5%)	-\$103 (-10%)
1,200	\$50 (4%)	\$6 (1%)	-\$104 (-9%)	-\$170 (-14%)
1,500	\$4 (0%)	-\$51 (-3%)	-\$188 (-12%)	-\$271 (-18%)
2,000	-\$72 (-4%)	-\$146 (-7%)	-\$329 (-16%)	-\$440 (-21%)

Typical use for a residential customer



- Green boxes are estimated bill savings. Orange boxes are estimated bill increases.
- Customers that use more electricity have more opportunity to save since they may be able to shift more of their usage.

Ways to Shift Your Usage

- Shift activities to off-peak hours, for example
 - Running appliances, especially the dishwasher and dryer
 - Charging batteries, especially electric vehicles
- Adjust thermostats or heating/cooling settings to let your home be
 - Slightly warmer in the summer during on-peak hours
 - Slightly cooler in the winter during on-peak hours
- Use a water heater timer to reduce water heating in on-peak hours



Past TOU Pilot Promotions

- Customer newsletter feature (February 2021)
- News release (June 2021)
- Facebook post (June 2021)
- Bill message (March 2022)
- Mentioned in Low Income Bill Assistance Program flyer

Information available at:

<https://www.pacificpower.net/savings-energy-choices/time-of-use.html>



THE POWER OF *choice*

When it comes to flexible options to help you take control of your bills, you can count on us. To keep costs down, we're going further with strategic investments in renewable energy.

CONTROL YOUR ENERGY SAVINGS

In the coming weeks, you'll be able to choose a new Time of Use plan. Here's how it works:

- **Shift your energy use** away from on-peak hours:
Winter (October-May): 6-8 a.m. and 4-10 p.m.
Summer (June-September): 2-10 p.m.
- **You'll pay less for energy** at all other times of the day when the demand for energy is lower.

This option is coming soon. Look for details at pacificpower.net.



Choose a new Time of Use plan. You'll save money on your bill when you shift your energy use away from on-peak hours of 5-9 p.m. each evening. Visit pacificpower.net/tou



You have more choices to control your bills. With new Time of Use plans, you can save money when you shift energy use away from peak hours. See choices for homes, farms and businesses at pacificpower.net/tou.

Planned TOU Pilot Promotions

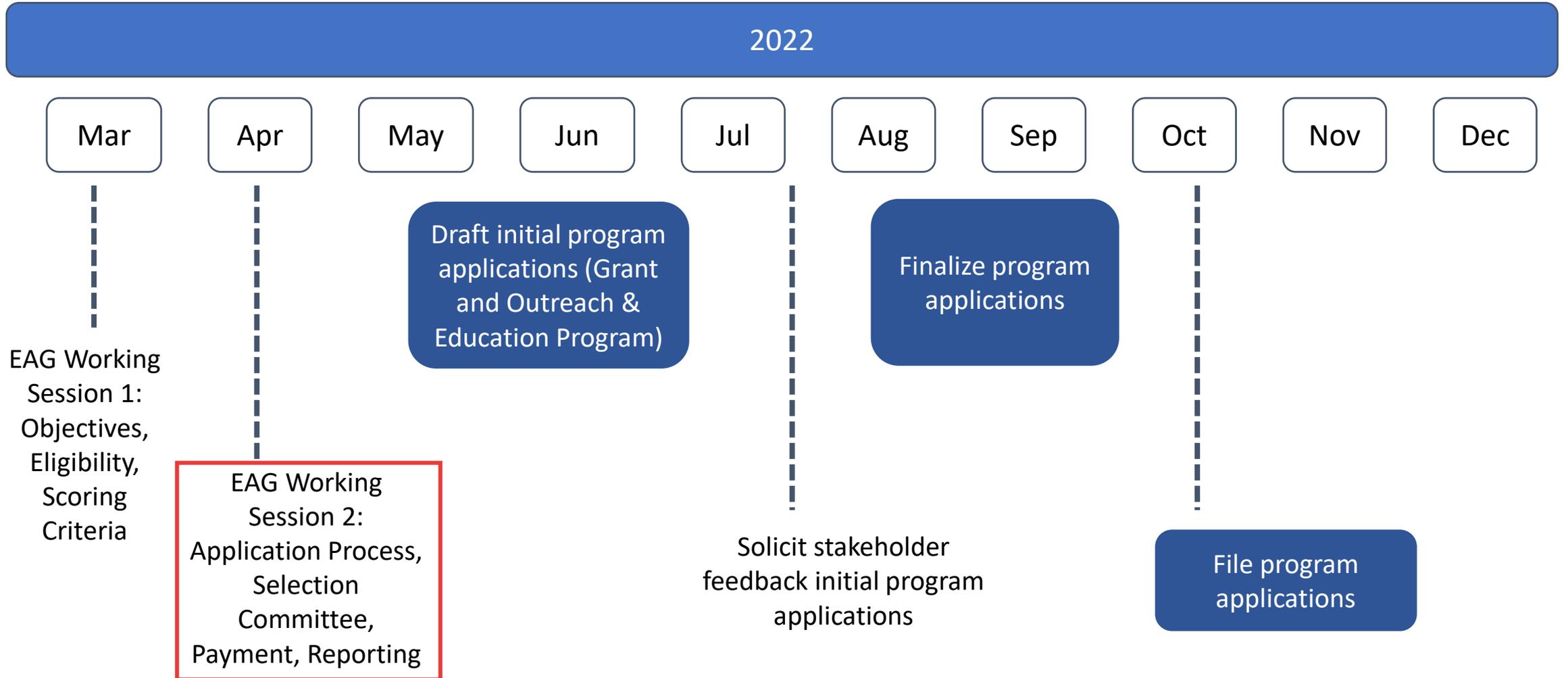
- Referred to in Low Income Bill Assistance (LIBA) Program radio ads
- English and Spanish social media posts (April 2022)
- English and Spanish bill messages (May 2022)
- Customer newsletter article (July 2022)
- Outreach to low income agencies
- Outreach through trusted community liaisons, organizations, and partners



Activity: Transportation Electrification Grant Process Feedback



Program Application Development



Creating the Program Design Together

Our focus for today

Named Communities Grant Program

- Determine Objectives
- Eligibility Requirements
- Scoring Criteria
- Application Process
- Selection Committee
- Payment Schedule
- Ongoing Reporting Requirements
- Technical Assistance

Outreach and Education Program

- Educational Activities
 - Dealership Engagement
 - Community Events
 - Workforce Development
- Marketing Channels
 - Social Media
 - Radio
 - Email
 - Bill
 - Website

Feedback Requested

Application Process

- Grant Application Form
 - Applicant Information
 - Project Information
 - Project Feasibility
 - Education, Environment, Equity and Community
- Technical Requirements
- Financial Summary

Feedback Requested

Selection Committee

- 6-8 person committee
- Potential members:
 - Local representatives
 - PacifiCorp Leadership
 - PacifiCorp Regional Business Managers

Feedback Requested

Payment Schedule

- Upfront Payment
 - 25-50%
- Completion Payment
 - 50%

Feedback Requested

Ongoing Reporting

- Quarterly Reporting
- Annual Reporting

Next Steps



Next Steps

- Notes from this meeting will be posted to the PacifiCorp website next week.
- No EAG Meeting in May.
- Our next EAG Meeting is on June 15, 1-4 pm PT.

2022 EAG Meetings	Topics <i>(tentative, to be confirmed)</i>
January 19	<ul style="list-style-type: none"> • Clean Energy Implementation Plan (CEIP) updates • Reflections of 2021 and ideas for 2022
February 16	<ul style="list-style-type: none"> • Energy efficiency programs • Electric vehicle (EV) plan and transportation electrification grant program
March 16	<ul style="list-style-type: none"> • EAG member presentations • Low-income bill assistance (LIBA) • Transportation electrification grant program (continued)
April 13	<ul style="list-style-type: none"> • EAG member presentations (continued) • Time of use (TOU) pilot • Residential energy efficiency and agriculture demand response • Transportation electrification grant program update
June 15	<ul style="list-style-type: none"> • Update from Low Income Advisory Group • Update on Energy Burden Assessment
July 14	<ul style="list-style-type: none"> • Update from Demand-Side Management Advisory Group • Customer Benefit Indicator (CBI) Update
September 21	TBD
October 19	TBD
December 7	<ul style="list-style-type: none"> • Reflections on 2022 and plan for 2023