

PGE's Community Benefits & Impacts Advisory Group (CBIAG) Meeting #30

Wednesday, January 28, 2026





Virtual Meeting Participation Tips

- Thank you for joining us today!
- Please join audio by either phone or computer, not both.
- We encourage CBIAG members to turn on your video.
- Please keep your audio on mute when not speaking.
- Observer = you are not a CBIAG member, facilitator or speaker.
- If you experience technical difficulties, please contact program staff at: (832) 535-0731





In-Person Meeting Participation Tips

- We are happy to see those who could join us in-person today!
- Take care of your needs (feel free to stand, move around, etc.)
- Facility logistics (restrooms, exits, allergies, etc.)
- Avoid cross talk and please be mindful of hybrid challenges
- Remember to say your name before you speak so that virtual participants know who is speaking





Facilitation Style & Group Agreements

- Take care of your personal needs as they come up, let facilitator know if you need to step away
- This is a learning space for everyone
- Participate by sharing your responses in the chat, taking written notes, or by raising your hand to speak
- Welcome diverse perspectives; it's okay to disagree
- Facilitator will call on people to speak. This will be done in a way that centers our equity priority communities and not in first come, first serve
- I will use facilitator's privilege and may need to gently interrupt to have you close out your comments and move the meeting forward
- Move up your talking or move up your listening
- Assume and have good intentions
- You do not need to have perfect/fully formed thoughts to share and discuss your ideas with the group
- **These meetings will be recorded with the agreement that access is for CBIAG members, PGE, and third-party facilitators.**
- Any others you all want to add?





AGENDA

- Welcome and orientation
- Meeting objectives
- Introductions and check-in question
- PGE updates
- Clean Energy Plan (CEP)/Integrated Resource Plan (IRP) Community Engagement Approach
- IRP 101 overview
- Announcements
- Closing and next Steps

Meeting Objectives

- Welcome participants and review the meeting agenda
- Create space for members to settle in and build connections through introductions and check-ins
- Receive key PGE updates
- Learn about the Integrated Resource Plan & Clean Energy Plan
- Share important announcements and available resources

Welcome and Introductions



Please state your name and pronouns (if you choose)



Please share what organization(s) you represent, if any



Check-in question:

What is something you have done that you spent a lot of time and energy planning for?

PGE Updates



- [Utility worker impersonation safety threat](#)
- [Community Advisory Councils](#) applications are open
- [Drive Change Fund](#) application opens February 1
- [Customer Protections](#)

Click on hyperlinks to learn more.



PGE's Community Engagement Approach for the 2026 Clean Energy Plan & Integrated Resource Plan & Beyond

Presenter: Jenn Latu, Manager of Equitable Engagement
January 2026



Our Community Engagement Outcomes and Approach for Integrated Resource Plan (IRP) & Clean Energy Plan (CEP)

Outcomes

- Build shared understanding of how long-term resource planning affects customers and communities.
- Create accessible entry points for participation and learning.
- Learn from community voices to help inform assumptions, priorities and trade-offs in resource planning.

Our approach

- Provide a space for transparent and inclusive conversations where customers/interested parties can participate and shape ongoing engagement efforts.
- Multiple touchpoints across audiences via established venues.
- Integrate resource planning and related topics into cohesive, accessible learning that strengthens ongoing engagement, awareness, and energy knowledge for customers/interested parties.

Learning Opportunities for Community Benefits & Impacts Advisory Group (CBIAG) Members

Foundational sessions

- Grid 101 (November 2025): Introduction to grid concepts, delivered by a CBIAG member.
- IRP/CEP overviews (January & February 2026): Sessions to build knowledge about:
 - Planning
 - Modeling and forecasting
 - Community-benefit indicators (CBIs)
 - The All-Source RFP
 - Why the CEP and IRP matter

How the CBIAG will contribute

- Provide experience, community insights and reflections.
- Identify community impacts and opportunities.
- Inform how PGE communicates technical content to broader audiences.



Engagement Opportunities for Customers & Communities

- **Community-based event**

- East County Resiliency Fair (February 2026):
 - ❖ Space for community conversations on community benefits as it relates to energy.

- **Public learning space**

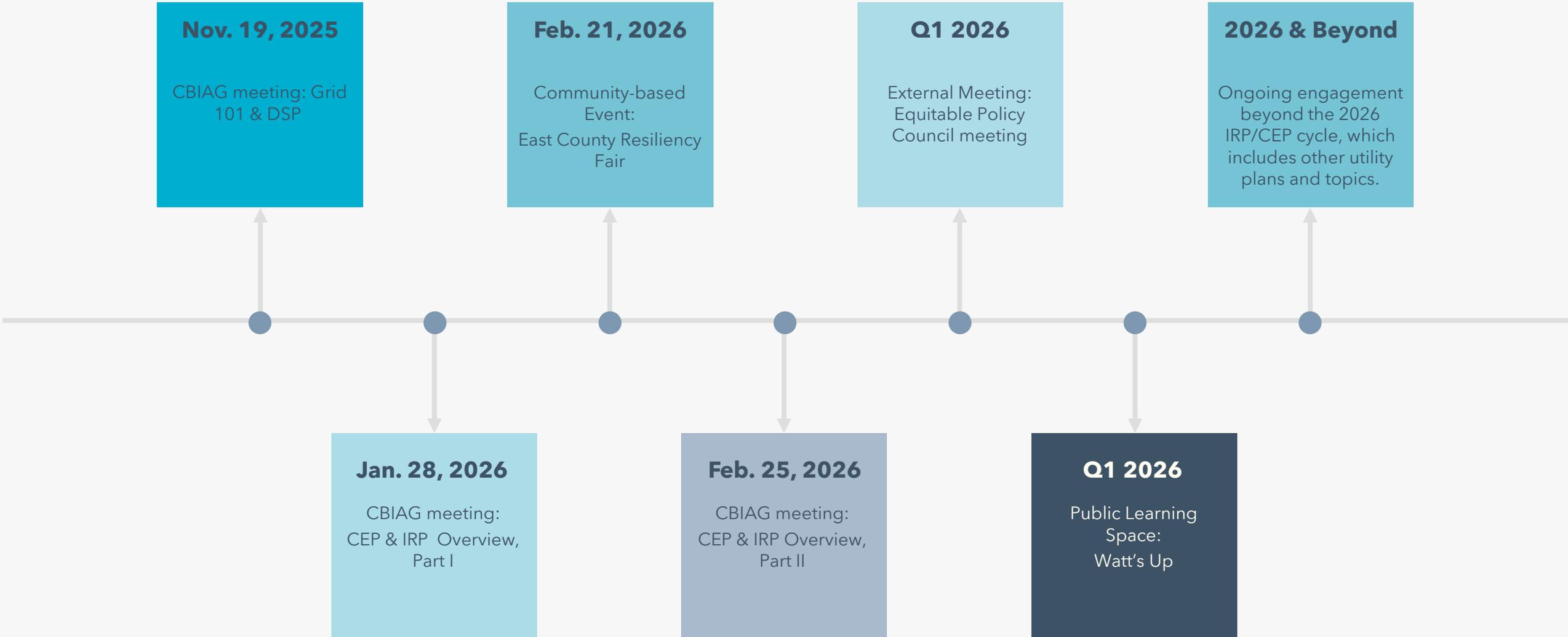
- Watt's Up (Q1 2026):
 - ❖ Open forum for customers and/or interested parties to learn about the IRP/CEP, CBIs and the all-source RFP.
 - ❖ Designed for accessibility and dialogue with participants.

Ongoing engagement

- Continued outreach and engagement to help drive awareness and knowledge with PGE's customers and communities.



Community Engagement Activity Timeline



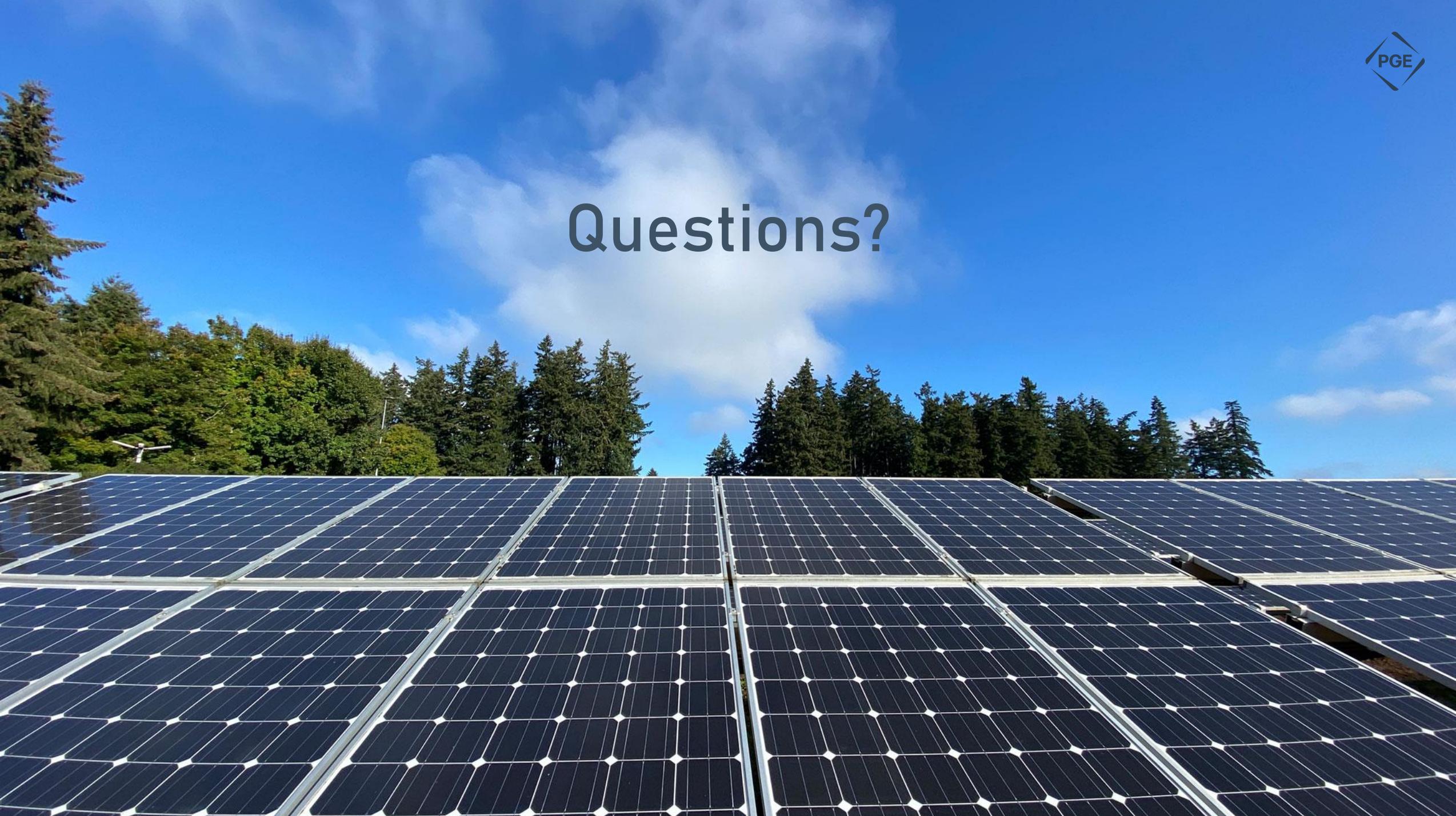
Stay Connected in Community

For more information or inquiries, please contact us at CommunityConnect@pgn.com.

We look forward to staying connected and continuing this conversation with you!



Questions?



How We Plan for the Future: An Introduction to the Integrated Resource Plan (IRP)

Presenter: Lauren Slawsky, Principal Integrated Resource
Planning Analyst

January 28, 2026





AGENDA: CEP/IRP

- What is the IRP
- Where does the IRP fit in other PGE planning and actions
- Who is Involved
- Plan Filing Cadance
- Key Elements of the combined IRP and CEP
- How Can We Think About the Plan
- Recap & Why it's Important for the Future

Integrated Resource Plan (IRP)

The IRP is a long-term roadmap of potential pathways PGE could further investigate for ultimately informing how to deliver enough clean, reliable and affordable power.

Key elements:

- Generation and transmission outlook for existing resources and new resource options
- 20-yr long-term forecast of power demand and needs
- ~4-yr near-term Action Plan of activities
- Model-optimized best combination of incremental resource additions (including type, size, timing, etc.) based on costs and risks
- Meets regulatory requirements (e.g., IRP, RPS, HB 2021)
 - E.g., HB 2021 Clean Energy Plan (CEP) requirement is developed and filed in tandem with the IRP



Given the economic and policy environment, what is the system need?



Given what we know today, what might be the best way to fill that need?

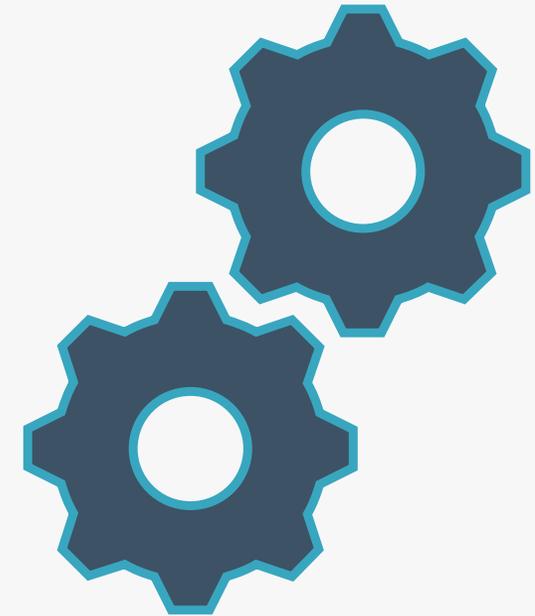


How are the values of the company and stakeholders reflected in the plan?

Key Terminology of the IRP

to align on the meaning of key topics described in the plan

- **Modeling and forecasting:** Using data and computer analyses to estimate what the future might look like, how much electric power the system will need and what types of resources could meet the need.
- **Load or Demand:** How much power customers consume (or are forecasted to) - changes with season, time of week, time of day.
- **Capacity** (Megawatts, MW): The maximum a resource (gas-fired power plant, wind farm, etc.) is rated for or capable of producing at a moment in time.
- **Energy** (Megawatt hours, MWh): The output a resource produces over time through the course of its operations, say, over an hour, a year.
- **Portfolio:** The mix or combination of resources to meet load (such as solar, wind, hydro, gas, batteries, etc.).
- **Scenarios:** Portfolios built with differing assumptions (such as demand, costs, policy) to test a range of impacts and outcomes.
- **Risk:** No formal regulatory definition but broadly meant to capture and assess uncertainties and tradeoffs in delivering clear, reliable, affordable power.



The IRP is a first step in a multi-step process that culminates in rate review at the Oregon Public Utility Commission



- Forecasts system energy & capacity needs over a 20-year horizon
- Creates a set of incremental resource additions (titled the 'Preferred Portfolio')
- Concludes with short-term Action Plan (the resources PGE will pursue over the next 2-4 years)

- Supply- and Demand-side resource procurement and programs (e.g., utility-scale generating resources, energy efficiency, demand response, etc.)
- Solicits bids from developers for specified generation types
- Determines which bid(s) can meet system requirements and resource needs established in the IRP Action Plan

- Detail PGE's specific actions (and associated actual costs) to the Oregon Public Utility Commission (OPUC)
- Establish prudence of generation asset investments
- Begin rate recovery of those incurred costs

Who is Involved in the Plan's Development

Includes a range of internal and external stakeholders requiring a balancing act across many important interests when planning for clean, reliable and affordable power.

- The IRP is primarily a regulatory requirement, submitted to the Oregon Public Utility Commission, thus in close coordination with OPUC throughout.
 - Also, coordination with other state regulators, such as the Dept. of Environmental Quality, esp. for HB 2021
- Community and external engagement
 - CBIAG, Technical Roundtables, Equitable Policy Council, resource fairs and other interested parties
- Many other PGE groups such as:
 - Linkages to other plans such as the Distribution System Plan (DSP), local transmission planning, Wildfire Mitigation Plan and more
 - Rates and Regulatory Affairs (RaRa) to ensure regulatory requirements are met
 - Operations to ensure plans might reasonably be implementable
 - Leadership to ensure the utility's broader strategic goals are considered



It's more than just PGE alone!

Cadance of CEP/IRP Filing & OPUC Review



2023 CEP/IRP
filed

Public process
lasts ~1 year

- Feedback
- Recommendations
- OPUC Acknowledgement

2023 CEP/IRP Update*
1 year after
Acknowledgement**

2026 CEP/IRP
2 years after
Acknowledgement**



*CEP/IRP update is an informational filing that, unlike a “full” CEP/IRP, does not require acknowledgement decision and focuses on reporting on progress and updating any relevant key model inputs.

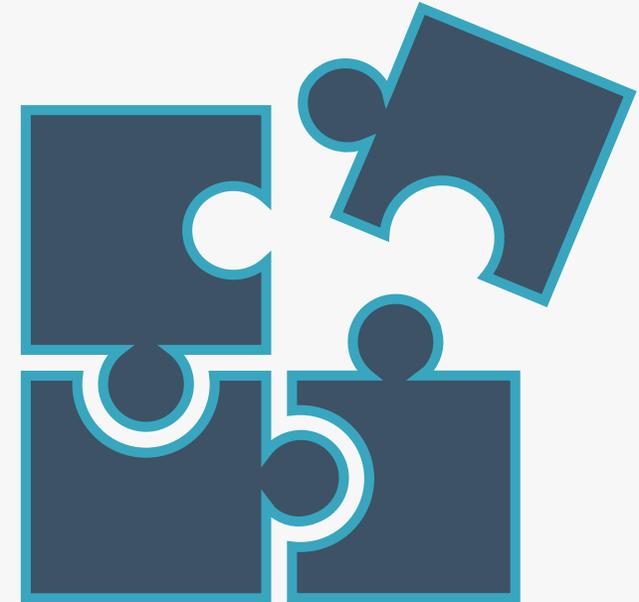


****Note:** timing requirements for filing “full” CEP/IRPs and updates may change in the future pending an ongoing rulemaking.

Key Elements of the CEP/IRP

To plan 20 years ahead for clean, reliable and affordable power

- **Forecast what we'll need** - How much electric power will homes, businesses, devices use? [load or demand]
- **Check what we already have** - Power plants, contracts and existing resources. [capacity and energy]
- **Identify gaps** - How much more do we need to keep the lights on? [capacity and energy]
- **Explore resource options** - Solar, wind, batteries, energy efficiency and/or demand-response. [done in scenarios]
- **Build a "preferred portfolio"** - The mix or combination of resources to meet customer needs while balancing costs and risks. [a resulting portfolio]
- **Identify an Action Plan** - The next ~4 years of activities that may realistically be coming up.



Note: Key terminology from earlier slide in brackets [].

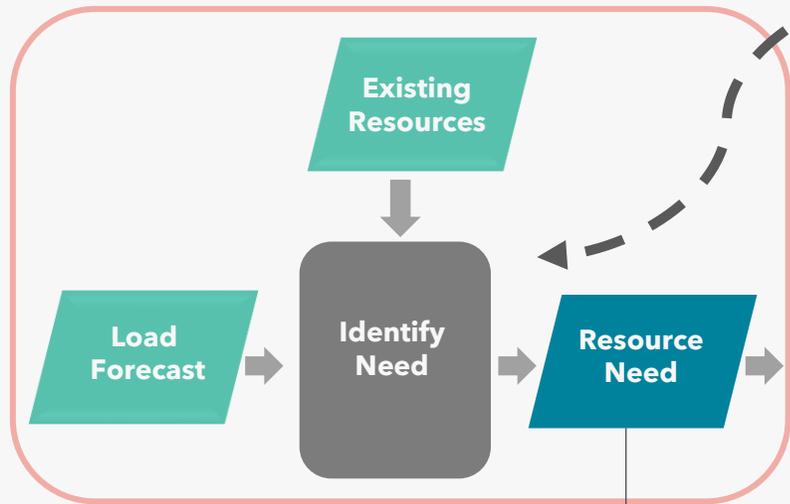
High-Level Analysis Development Process

2026 CEP/IRP Timeline



Estimate System Needs

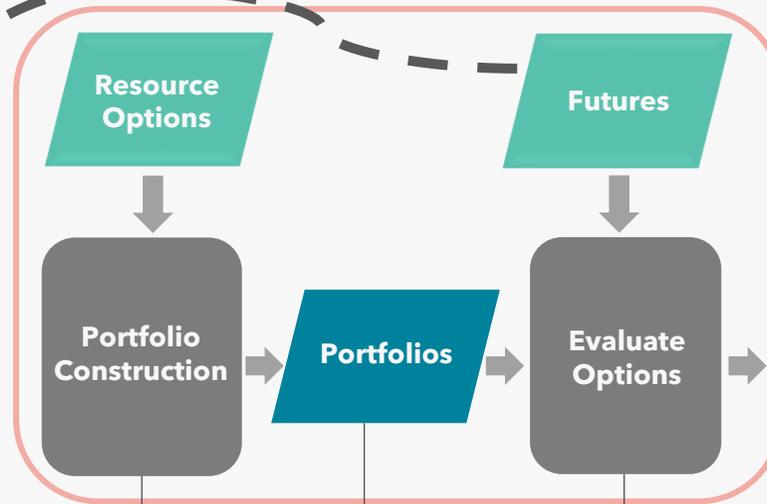
Aug 2025 - Dec 2025



Capacity and energy needs for system to reliably operate

Evaluate Resource Options

Jan - May 2026



Potential resource additions

To test resources, incorporate regulatory requirements, assess impacts to needs

Scenarios and uncertainties for a range of future conditions

Develop Plan

Jun 2026



IRP has a 20-year planning horizon, Action Plan covers the next 2-4 years



Regular stakeholder meetings (roundtables) are convened for feedback

What We Think About When Developing the CEP/IRP

UNCERTAINTY drives the need for portfolio/scenario analysis, and the uncertainties vary with each CEP/IRP cycle



A balancing act: Weighing tradeoffs among clean, reliable, affordable power



Regulations and policies: Essential tax credits have been eliminated by US Congress and could increase renewable costs by ~30-50% or more



Resource capabilities: What technologies might exist and how might they be capable of operating



Resource availability: Options may be limited by location, permitting challenges, transmission access, etc.

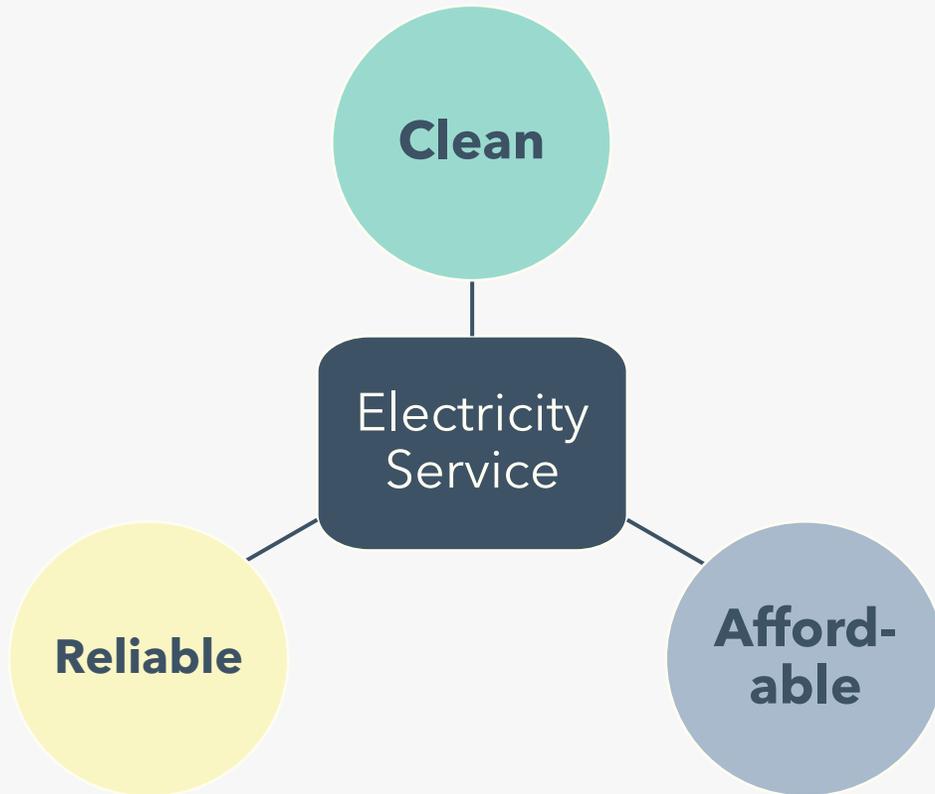


Resource costs: Build costs have increased as have financing costs, mainly due to wildfire risks and tariff policies



Load growth: Increasing power demand and resource need

Why the CEP/IRP Might Matter to You and PGE



On a high-level, planning ahead aims to achieve fewer surprises and better outcomes for customers and communities

- Customers use and **rely** on electricity everyday (lights, phones, computers, electric vehicles, etc.) and it needs to come from somewhere.
- Considering tradeoffs for the future helps mitigate the impacts of power getting more **expensive**.
- With **clean** energy targets, we want to figure out how to move toward lower emitting resources.

On a detailed-level, planning ahead explores important questions for PGE's power system

- Do we need more transmission to meet our clean, reliable, affordable objectives?
- How will vehicle and other end-use electrification impact peak demand and utility-scale resource needs?
- Would a resource technological breakthrough in the future impact our near-term decisions?

Why the CEP/IRP is Important for the Future

RECAP & KEY TAKEAWAYS

- The CEP/IRP is the first step toward ensuring we have enough power that is primarily affordable and reliable, as well as clean.
- Investigating uncertainties and tradeoffs through scenario analysis helps to make more informed decisions later.
- This planning ahead matters because the decisions that are ultimately made will impact the power system, bills and customers, for decades if not a lifetime.
- Ask questions, be curious about where your power comes from and why.



How You Can Think About the CEP/IRP

Let's make it real!

What would you do if you ran a power company and needed to plan 20 years ahead?

- What key things are important to you to balance?
 - E.g., electric cars and power growth, peak demand, climate change, cost, reliability, customer interests, etc.?
- What kind of power resources would you choose?
 - E.g., solar panels, wind turbines, batteries, efficiency programs, etc.?
- What challenges might arise in the course of your planning? What are some possible solutions?



PGE's Stakeholder Engagement

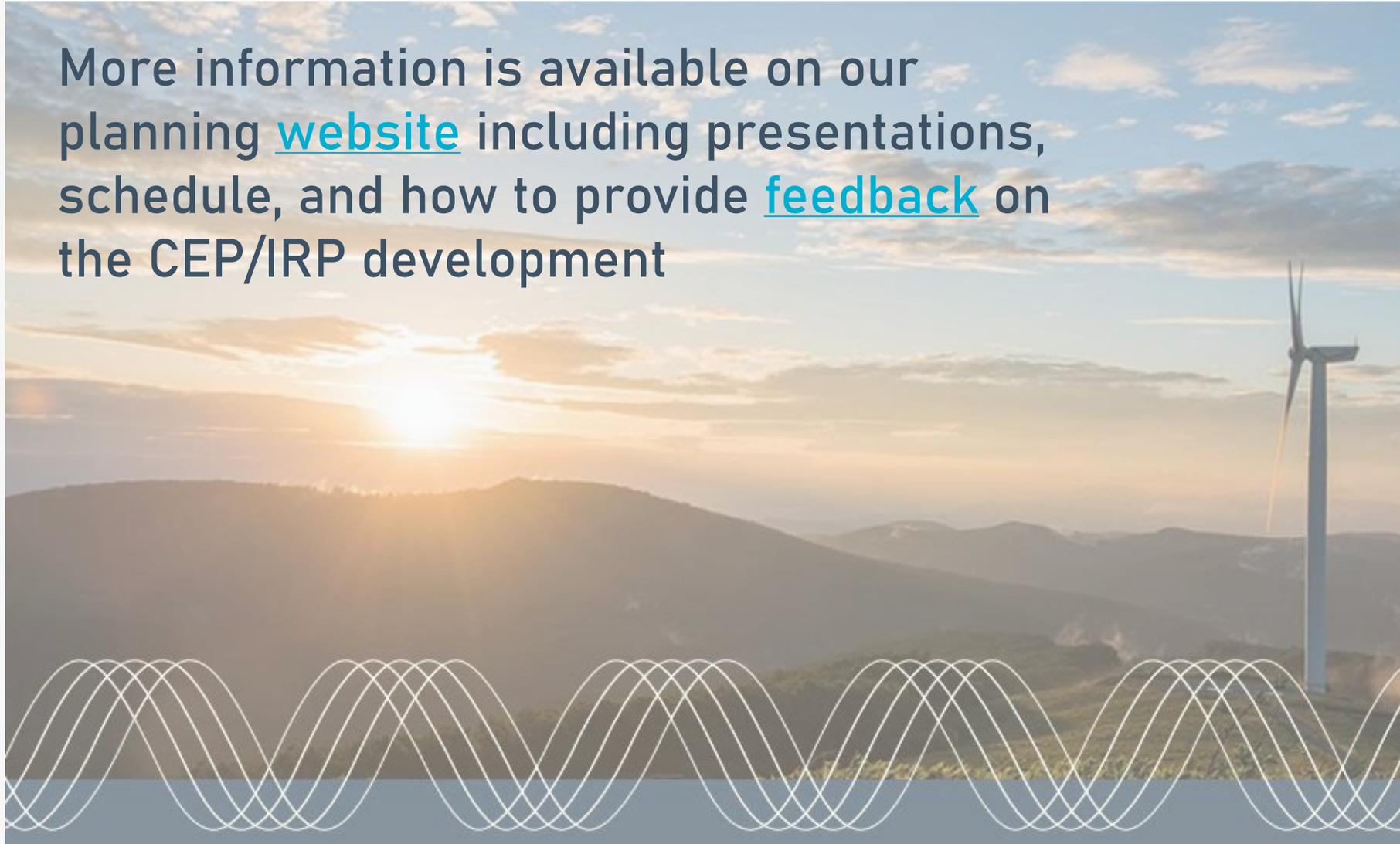
- Long-term planning focus for technical audiences
- Demand-side planning focus for general audiences
- Community Engagement focus on range of topics



Forum/Activity	Timing	Technicality	Mode	Description
CEP/IRP Roundtables	Recurring, ~6 weeks	High	Remote	Technical public venue on PGE's combined Clean Energy Plan (CEP) and Integrated Resource Plan (IRP) to communicate and gather input on model inputs, assumptions, and constraints.
Distribution System Workshops	Recurring, Quarterly	Medium	Remote	Non-technical sessions focused on outreach, education, and feedback solicitation, with materials provided in advance to facilitate meaningful discussions focused on Distribution System Planning , Flexible Load Multi-Year Plan , Transportation Electrification Planning , and other demand-side programs and resources.
CBIAG meeting: IRP/CEP Overview	January 28, 2026	Medium	Hybrid	Over two meetings, members will participate in informative sessions designed to build context and understanding of the IRP and CEP and why they are important to the utility and its customers.
CBIAG meeting: RFP Overview	February 25, 2026	Medium	Hybrid	
Watt's Up	Q1 2026	Entry	Hybrid	An open and accessible event for anyone interested in learning about PGE's planning process, including discussion of the all-source RFP connected to the IRP.
Equitable Policy Council	Q1 2026	Entry	Hybrid	EJ Advocates will be engaged to review and provide input on the IRP/CEP and the overall engagement plan, including opportunities to inform and shape future and ongoing engagement efforts.
Public Engagement: East County Resiliency Fair	February 21, 2026	Entry	In Person	A public event where customers and community members can share perspectives on community benefits and trade-offs associated with resource planning and clean energy investments.
Ongoing engagement	2026 and beyond	Various	Various	Continuous, strategic outreach to keep stakeholders informed and involved. The CBIAG will maintain focus on community benefits and impacts, while other groups will participate in awareness-building and learning opportunities as plans evolve.

Learn More About the CEP/IRP

More information is available on our planning [website](#) including presentations, schedule, and how to provide [feedback](#) on the CEP/IRP development



Questions and Discussion





Announcements and Opportunities

Send future announcements to CBIAG@pgn.com

PGE Community Engagement Upcoming Outreach Events

Latino Parent Night at Roosevelt High (N
Portland)

Wednesday, Jan. 28, 5-8 p.m.

Gladstone Community Center Lunch and
Learn (Gladstone)

Tuesday, Feb. 3, 11:30 a.m.-1 p.m.

AC Gilbert Legacy of Play Free Day (Salem)

Monday, Feb. 16, 10 a.m.-2 p.m.

Community Service Network East County
Resiliency Fair (SE Portland)

Saturday, Feb. 21, 11 a.m.-2 p.m.

Marion-Polk Children, Youth & Family Services Summit
(Salem)

Wednesday, Mar. 4, 8 a.m.-4 p.m.

Seniors Voice PDX (Portland)

Saturday, Apr. 18, 10 a.m.-2 p.m.

Community Services Network Resiliency Fair (Portland)

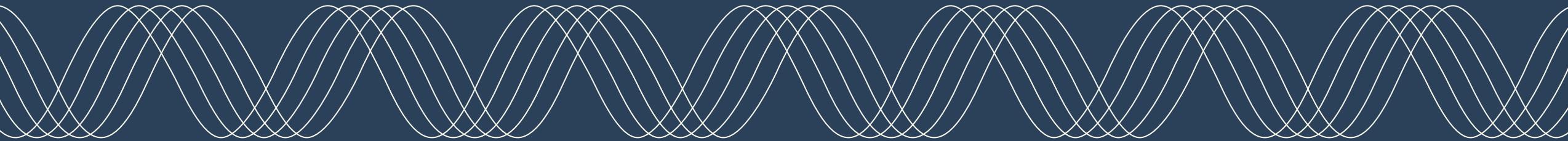
Saturday, May 30, 10 a.m.-2 p.m.

Next Steps

What to expect after this meeting in preparation for next month's meeting

- A high-level recap of the meeting and post meeting survey will be sent to CBIAG members.
- Presentation slides will be made available in the member hub for this meeting.
- Next meeting is **Wednesday, February 25, 2026**
 - In-person attendance option: **TBA**

Appendix



Acronyms and Abbreviations

\$	Dollar
%	Percent
&	And
/	Or
@	At
~	Approximant
+	Plus
=	Equal
CA	California
CBI	Community Benefit Indicator
	Community Benefits Impact Advisory
CBIAG	Group
CEP	Clean Energy Plan
DER	Distributed Energy Resources
DR	Demand Response
	Distribution System
DSP	Planning/Distribution System Plan

E.G.	Example
ES	Espousal Strategies
Etc.	Etcetera
EV	Electric Vehicle
HB	House Bill
Inc.	Incorporated
IRP	Integrated Resource Plan
LED	Light Emitting Diode
MW	Megawatt
MWh	Megawatt Hour
PGE	Portland General Electric
Q	Quarterly
RFP	Request For Proposal
RPS	Renewable Portfolio Standard

ACRONYMS

ARIMA: autoregressive integrated moving average

ART: annual revenue-requirement tool

ATC available transfer capability

BPA: Bonneville Power Administration

C&I: commercial and industrial

CBI: community benefit indicators

CBIAG: community benefits and impacts advisory group

CBRE: community based renewable energy

CDD: colling degree day

CEC: California energy commission

CEP: clean energy plan

CF conditional firm

DC: direct current

DER: distributed energy resource

DR: demand response

DSP: distribution system plan

EE: energy efficiency

ELCC: effective load carrying capacity

EJ: environmental justice

ETO: energy trust of Oregon

EUI: energy use intensity

GHG: greenhouse gas

HB 2021: House Bill 2021

HDD: heating degree day

HVDC: high-voltage direct current

IE: independent evaluator

IOU: investor-owned utilities

ITE: information technology equipment

ITC: investment tax credit

kW: kilowatt

LOLH: loss of load hours

LT/ST: long term/ short term

LTF long-term firm

MW: megawatt

MW_a: mega watt average

NAICS: North American industry classification system

NCE: non-cost effective

NG: natural gas

NPVRR: net present value revenue requirement

OASIS Open Access Same Time Information System

ODOE: Oregon department of energy

PPA: power purchase agreement

PSH: pumped storage hydro

PUC: public utility commission

PURPA: Public Utility Regulatory Policies Act

PV: photovoltaic

REC: renewable energy credit

RLRR: low carbon price future

ROSE-E: resource option strategy engine

RPS: renewable portfolio standard

RRRR: reference case price future

RTO: regional transmission organization

SoA: South of Allston

T&D: transmission and distribution

TSR: transmission service request

TSEP: TSR study and expansion process

Tx: transmission

UPC: usage per customer

UPS: uninterruptible power supply

VER: variable energy resources

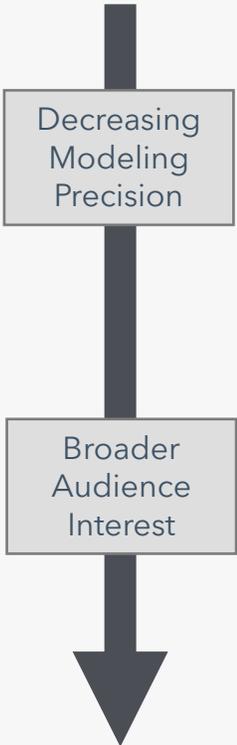
VPP: virtual power plant

WECC: western electricity coordinating council

The CEP/IRP Aims to Achieve Three Main Objectives

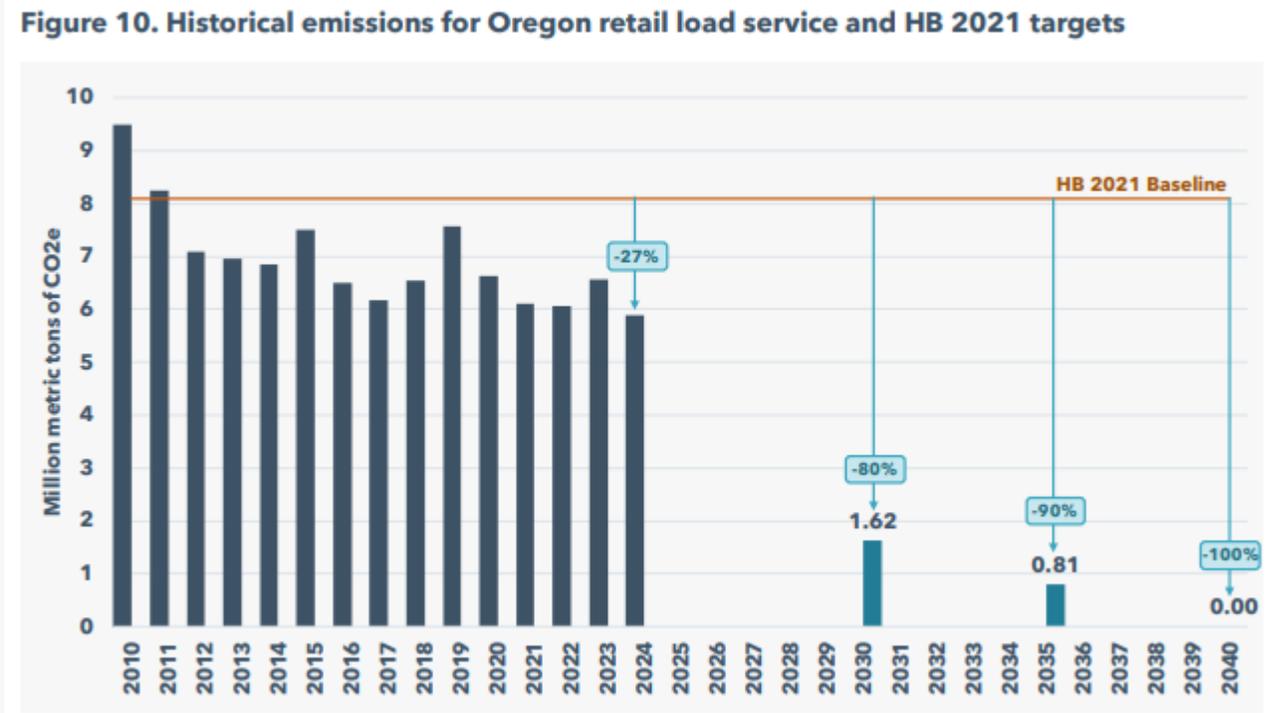


Objective	Component	Example	Location
Estimate System Needs	Energy need	Forecast of demand growth	CEP/IRP filings, RFP acquisition targets, complementary plans (e.g., VPP, local transmission plan)
	Capacity need	Existing and contracted assets	
	RPS position	REC bank forecast	
	Emissions reductions	Forecasts reflect needs to meet HB 2021 targets	
Evaluate Resource Options and Economics	Traditional utility-scale resources	Large-scale wind, solar, storage, etc.	CEP/IRP filings, RFP bid evaluation, avoided cost filings
	Distributed energy resources (DERs)	Energy efficiency, demand response, utility-controlled customer-sited energy storage	
	Additional generation resources	Community-based renewable energy (CBRE)	
Develop a Resource Plan	2-4 year Action Plan	Acquire resources, conduct RFPs	CEP/IRP Action Plans, broad company direction



PGE Develops the IRP and CEP Together

- The **Clean Energy Plan (CEP)** is a required plan for meeting the State’s clean energy targets (in ORS 469A.410; established in HB 2021), which are GHG emissions targets for retail load, below a baseline level:
 - 80% by 2030; 90% by 2035; 100% by 2040+
- The CEP focuses on a **community lens** to stakeholder engagement and decarbonization planning as part of setting targets and analyzing community-based renewable generation (CBREs) and resiliency (CBIs)
- PGE’s CEP is filed concurrently with the IRP for **one connected plan to progress toward a more equitable and carbon-free grid**

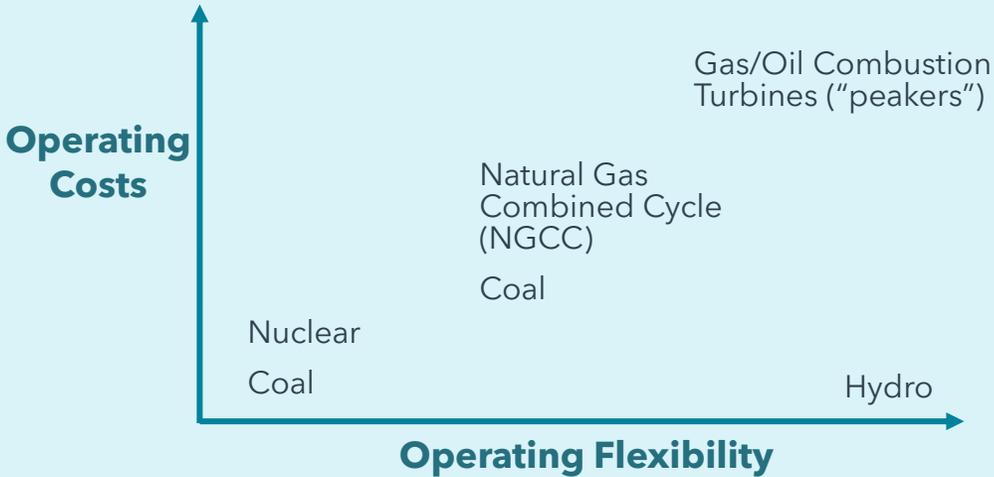


Source: [PGE’s 2023 CEP/IRP Update](#) (filed June 18, 2025).

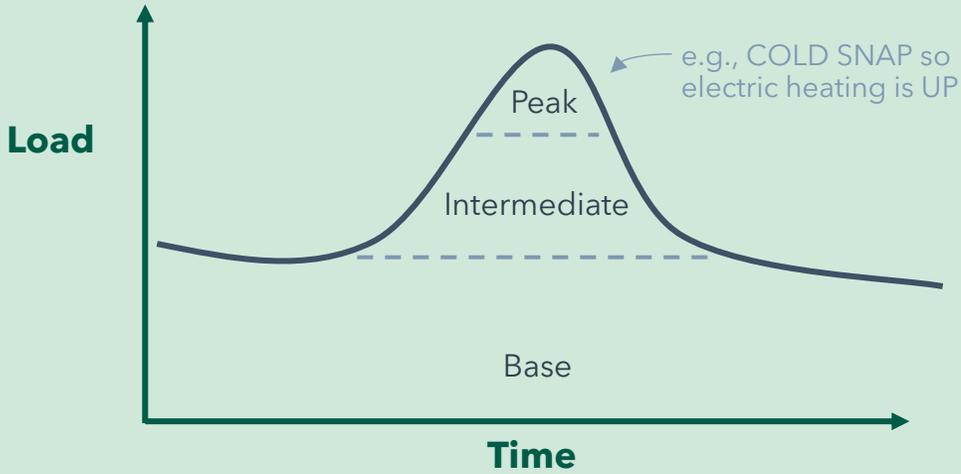
What We Think About When Developing the CEP/IRP

To ensure reliable, steady supply of electricity in the models (and in real time), power plants are called on to meet demand and balance the grid, subject to various constraints:

- Demand level
- Costs at that time
- Operating characteristics
 - Regulations (e.g., permitted limits)
 - Weather/time of day
 - Technical specs
 - Fuel availability
 - Response/ramping abilities



- “Economic Dispatch” is the basic principle that governs how the models run (and broadly, how actual electricity markets work)
- **Base load**: served by low cost, slow response (large hydro, coal, nuclear)
- **Intermediate load**: varies with time so served by load-following (NGCC)
- **Peak load**: served by more costly, less efficient, but fast-ramping (steam/combustion peakers)
- **Renewables**: variable, intermittent, can only generate when weather conditions allow (wind, solar)



CBI



Analysis Results



- Load growth changes in diff forecast vintages
- High level 2023 CEP/IRP results of what's built when



Thank you