Resource Planning Advisory Group Meeting

2027 Integrated System Plan

October 28, 2025

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Facilitator requests

- Engage constructively and courteously towards all participants
- Respect the role of the facilitator to guide the group process
- Avoid use of acronyms and explain technical questions
- Use the feedback form or email isp@pse.com for additional input to PSE
- Aim to focus on the webinar topic
- Public comments will occur after PSE's presentations

Safety moment

Today’s speakers

- Annie Kilburg Smith, Facilitator, Triangle Associates
- Brian Tyson, Manager, Clean Energy Planning and Implementation, PSE
- Uche Nwude, Energy Equity Initiatives Manager, PSE

Agenda

Time	Agenda Item	Presenter / Facilitator
1:00 p.m. – 1:10 p.m.	Welcome and introductions	Annie Kilburg Smith, Triangle Associates
1:10 p.m. – 1:45 p.m.	History of equity in system planning	Brian Tyson, Manager Clean Energy Planning & Implementation, PSE Uche Nwude, Energy Equity Initiatives Manager, PSE
1:45 p.m. – 1:50 p.m.	Break (optional)	
1:50 p.m. – 2:40 p.m.	Equity considerations in resource planning modeling and analysis	Brian Tyson, Manager Clean Energy Planning & Implementation, PSE
2:40 p.m. – 3:00 p.m.	Next steps and public comment opportunity*	Annie Kilburg Smith, Triangle Associates
3:00 p.m.	Adjourn	All

**Public comment may begin earlier if discussion topics advance more quickly than anticipated.*

Meeting purpose

- Provide a history of equity considerations and engagement in PSE's system planning
- Discuss equity considerations in resource planning and modeling for the 2027 ISP
- Reflect on EAG feedback from October 20 meeting
- Provide an opportunity for public comment

What we need from you

- Share your questions, reflections, and advice on today’s topics
- Let us know if anything is missing or unclear
- Flag areas where deeper discussion is needed
- Help us identify risks, tensions, or points of misalignment early

History of equity in system planning

Brian Tyson, PSE

Uche Nwude, PSE

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October engagement objectives: EAG vs. RPAG

EAG (Oct. 20)

Review evolution of equity requirements in system planning

Revisit past engagement with interested parties regarding equity considerations

Discuss application of energy equity tenets in ISP modeling

RPAG (Oct. 28)

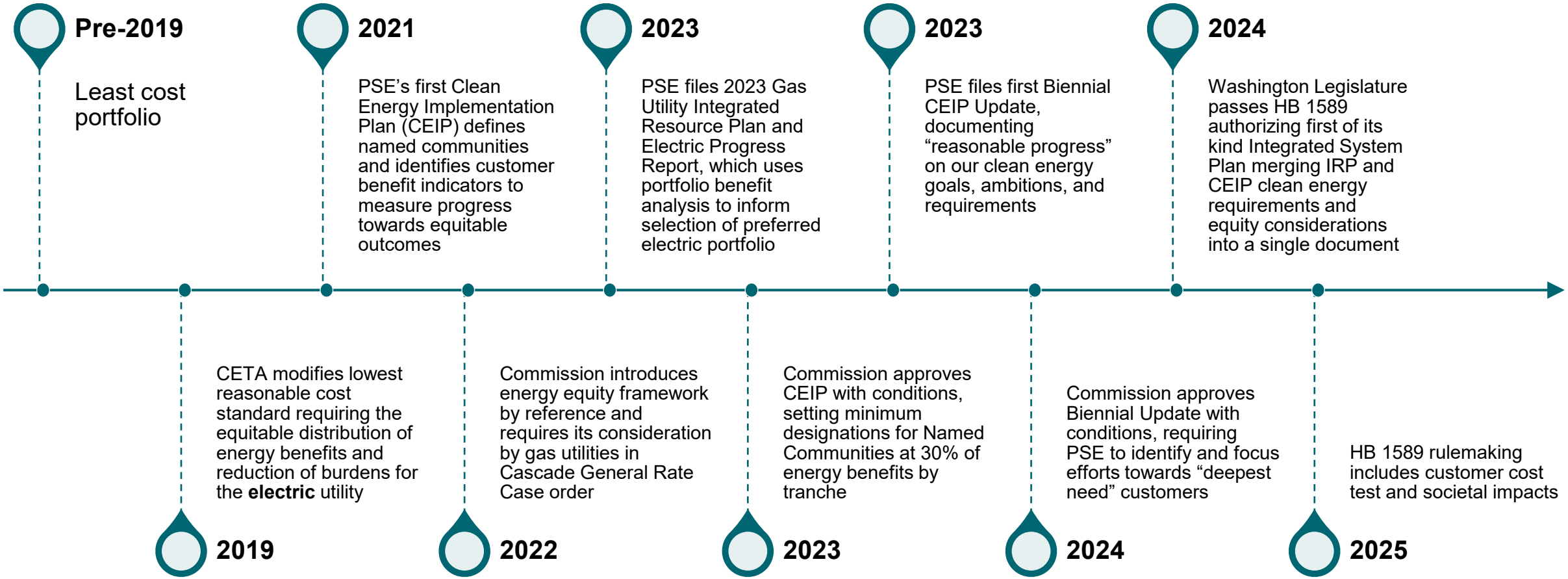
Review evolution of equity requirements in system planning

Revisit past engagement with interested parties regarding equity considerations

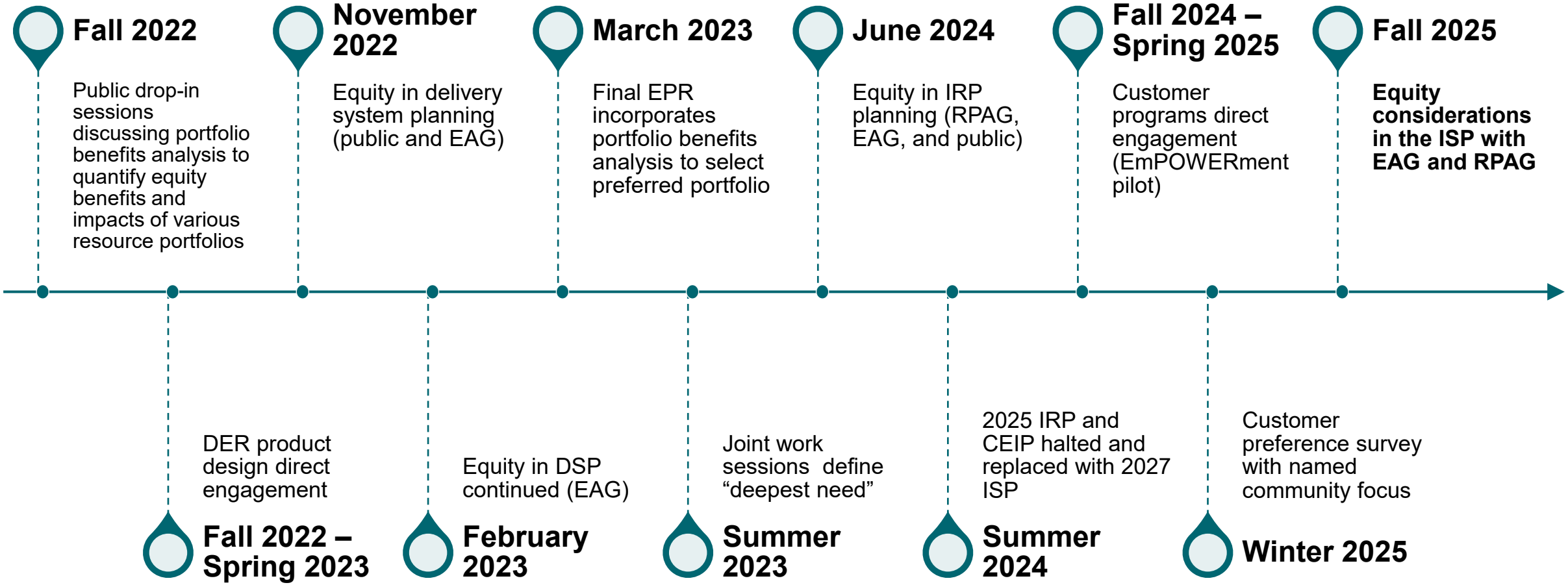
Deep dive into equity considerations in ISP modeling (checkpoint #1)

Reflect on EAG feedback

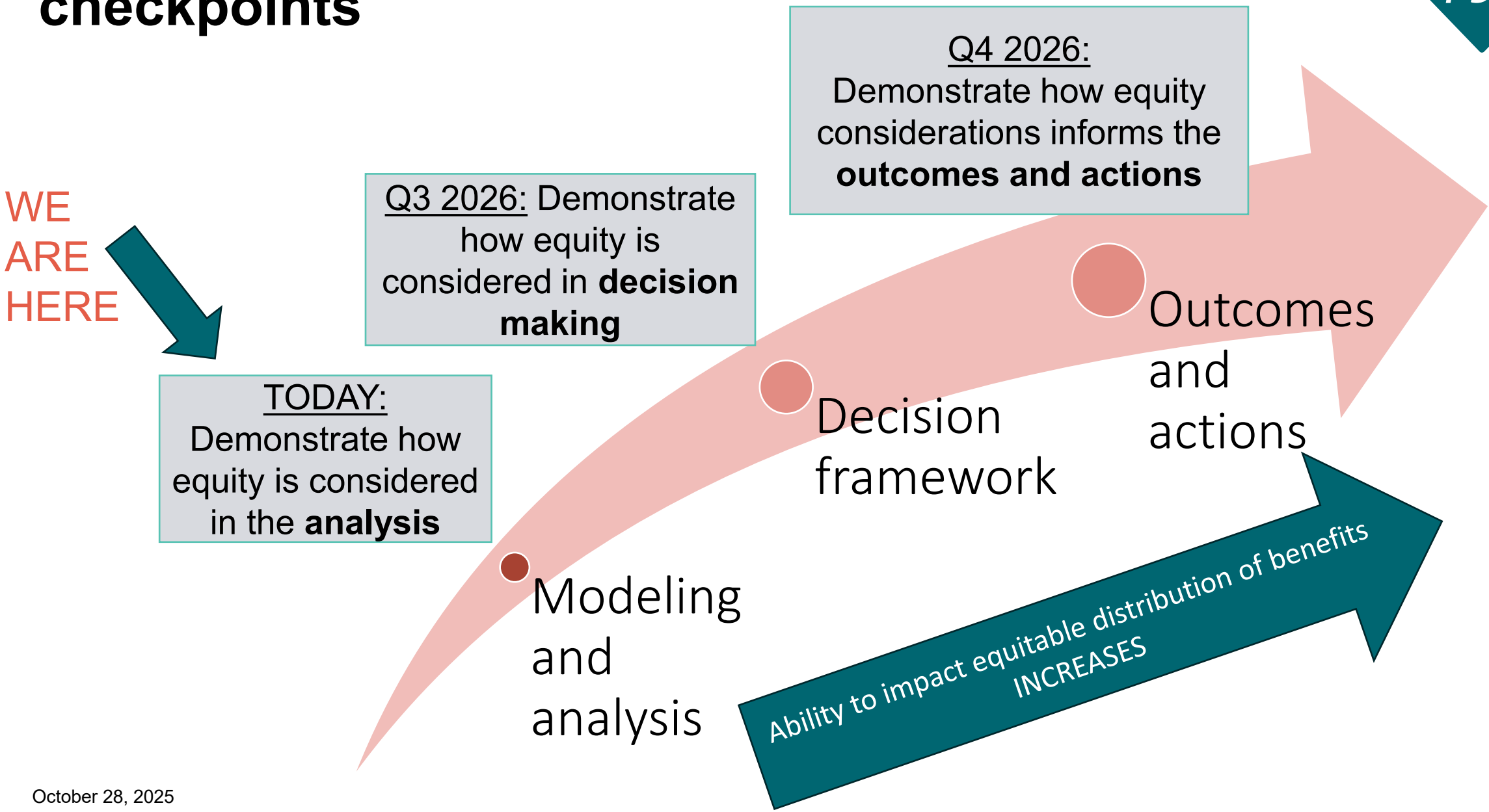
Brief history of equity requirements



Brief history of PSE's equity engagement



ISP process equity considerations – equity checkpoints



Framework adopted for each checkpoint

Energy Justice Tenets

Recognition

Requires an **understanding** of historic and ongoing inequalities and **prescribes efforts** that seek to reconcile these inequalities

Restorative

Utilizes regulatory government organizations or other interventions to disrupt and address distributional, recognitional or procedural injustices and to correct them through **laws, rules, policies, orders and practices.**

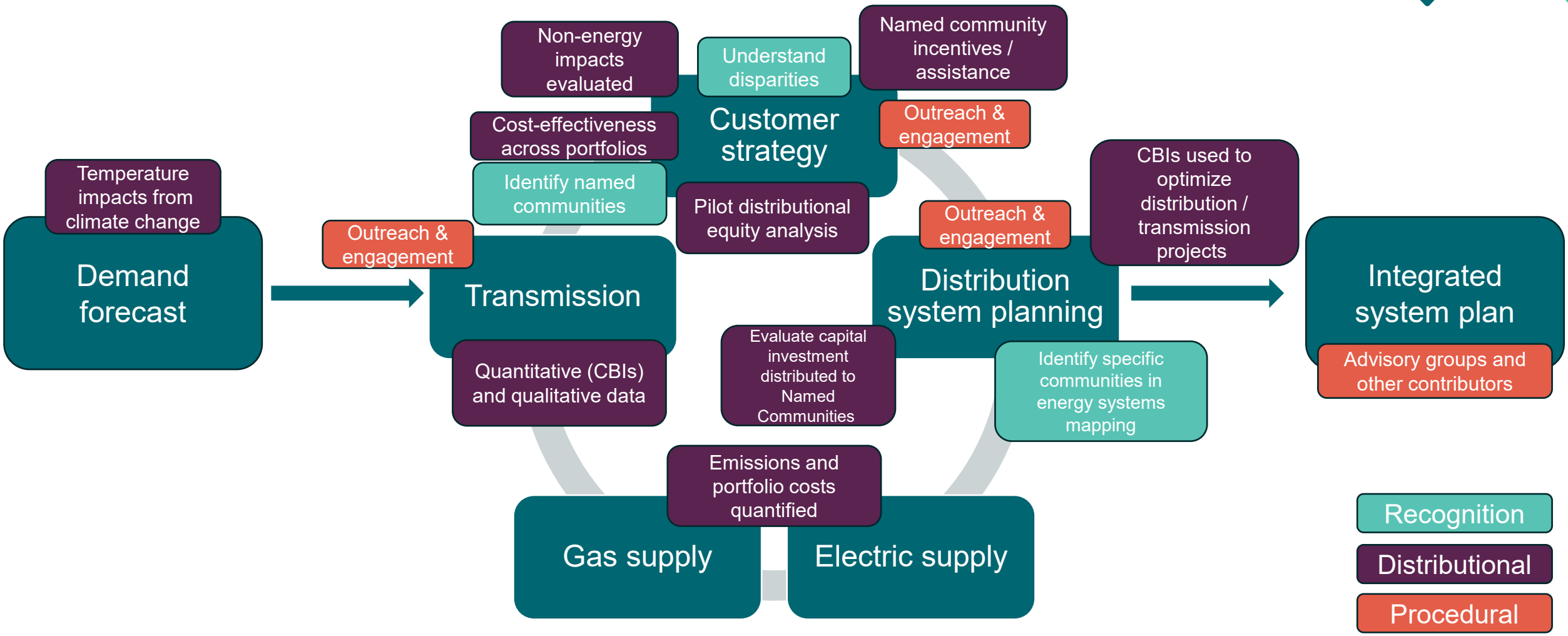
Procedural

Focuses on **inclusive decision-making processes** and seeks to ensure that **proceedings are fair, equitable, and inclusive** for participants, recognizing that marginalized and vulnerable populations have been excluded from decision-making process

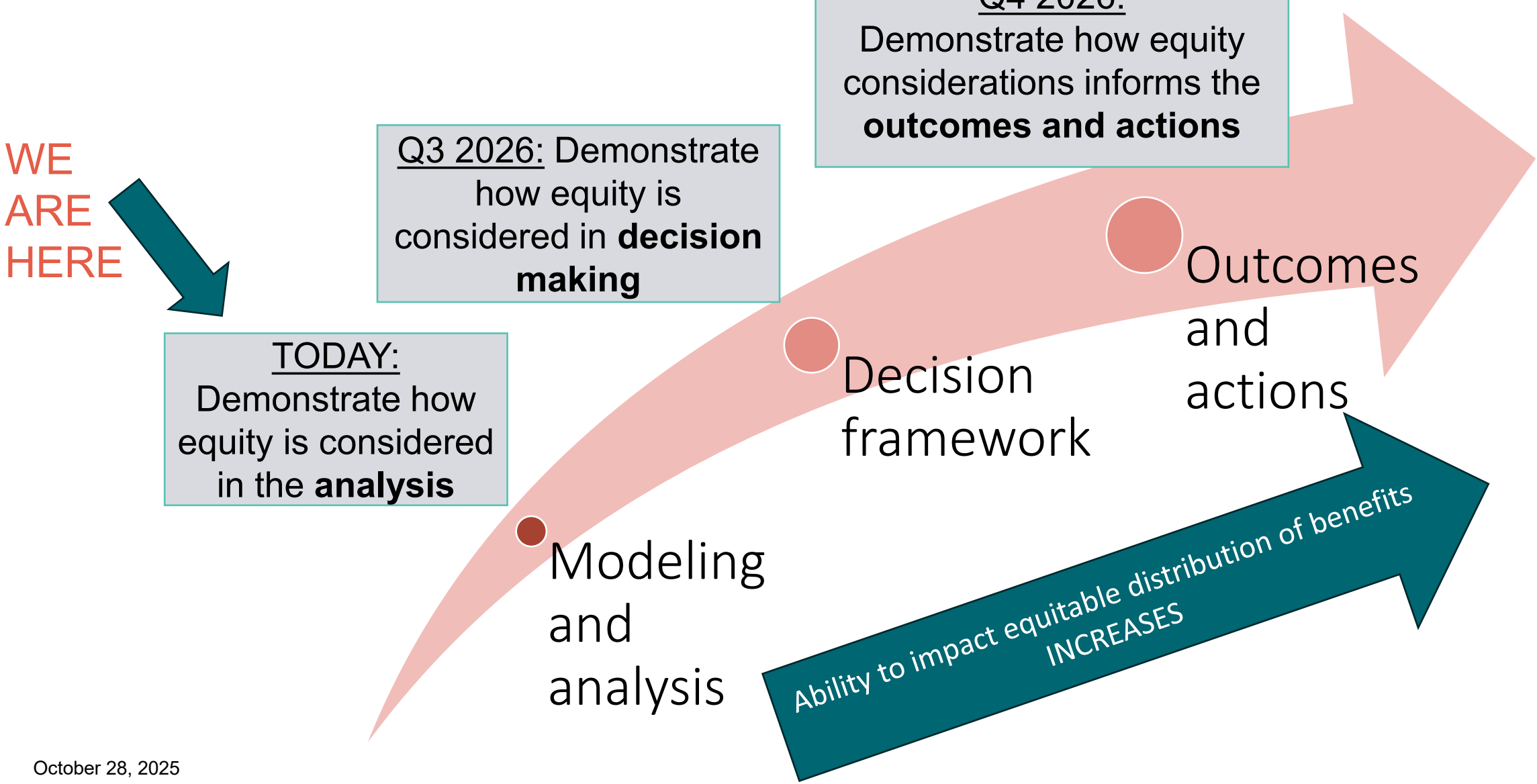
Distributional

Distribution of benefits and burdens across populations. Aims to ensure marginalized and vulnerable populations do not receive **inordinate share of the burdens** or are **denied access to benefits**

How is equity considered in ISP modeling and analysis?



ISP process equity considerations – EAG reflections



Questions?

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Break

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Equity considerations in resource planning modeling and analysis

Brian Tyson, PSE

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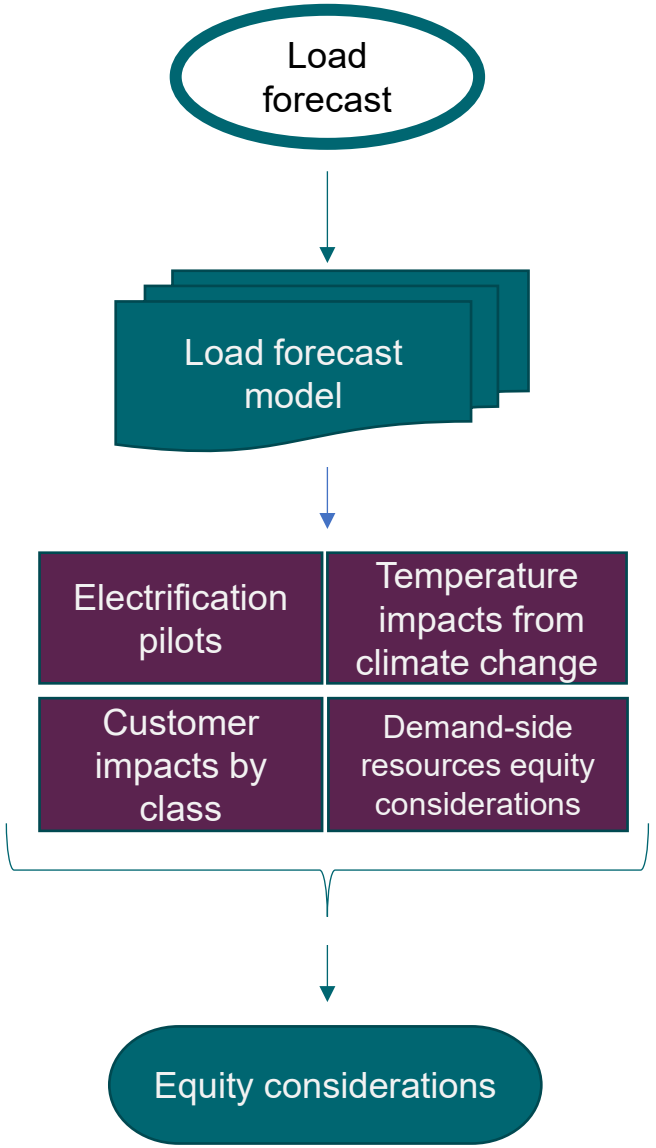
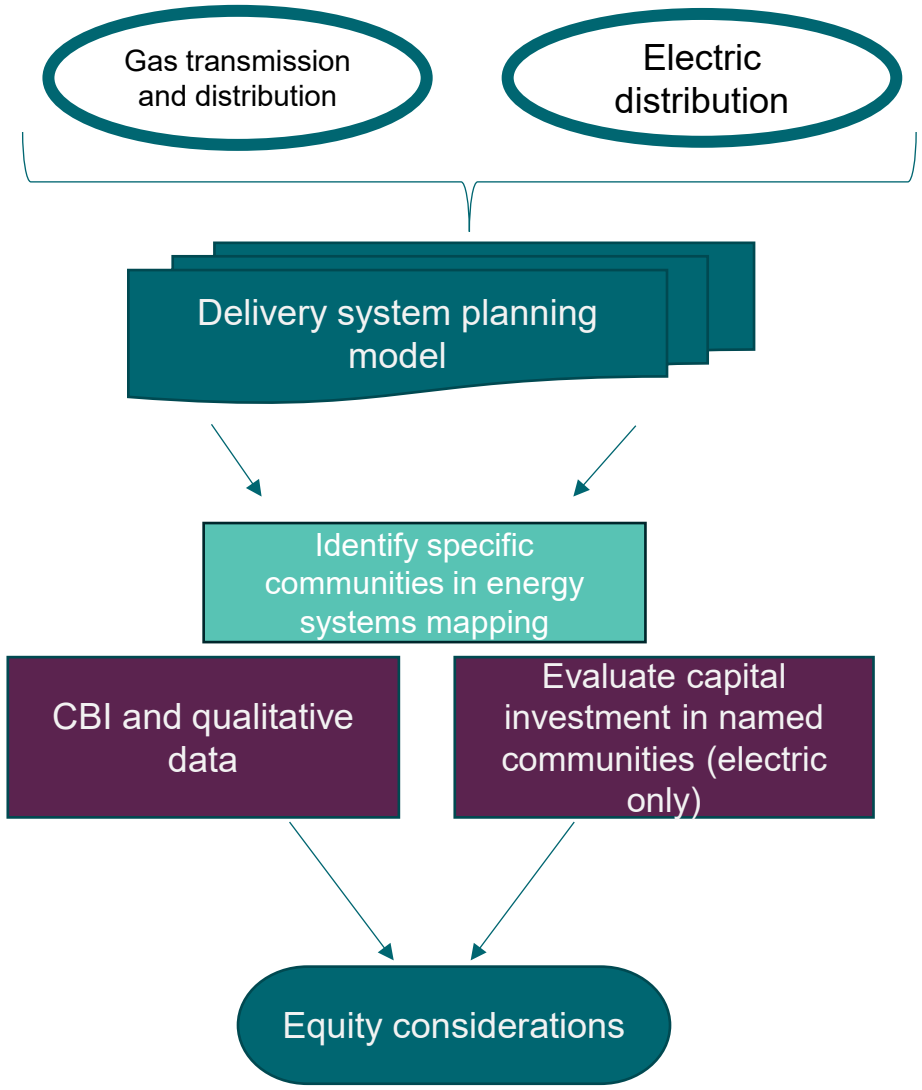
Load forecast (gas and electric)

- Incorporates building electrification funded through Climate Commitment Act, PSE decarbonization pilot programs, and other non-incentivized electrification
- Incorporates climate change (assumes warming over time)
- Considers customers by class
- Incorporates demand-side (customer) resources which incorporate equity goals



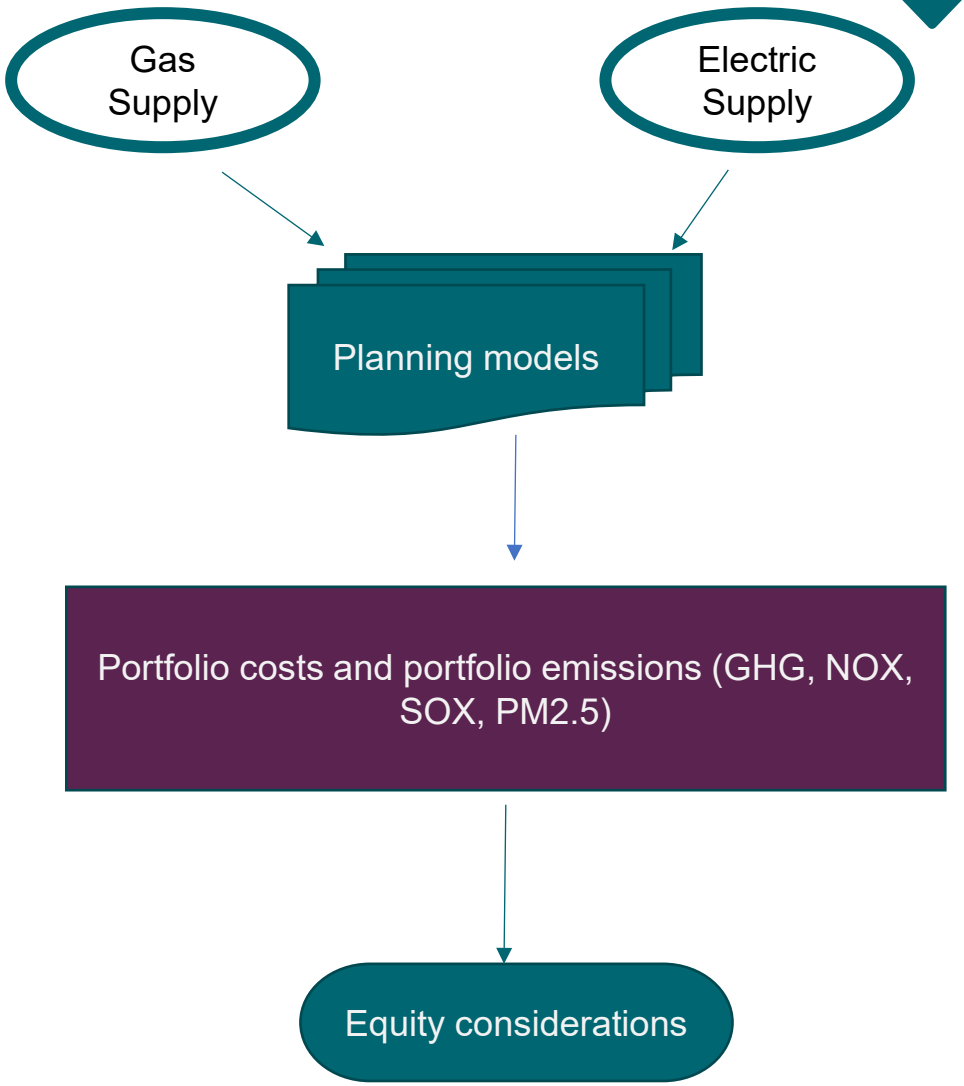
Delivery system (gas and electric)

- Built customer benefit indicators (CBIs) into modeling to optimize projects and programs
  - Number of CBIs the project addresses
- Evaluates capital investment distributed to named communities
  - Number and percent of projects in named communities
  - Costs of projects towards named communities
- Documents equity considerations in major project planning



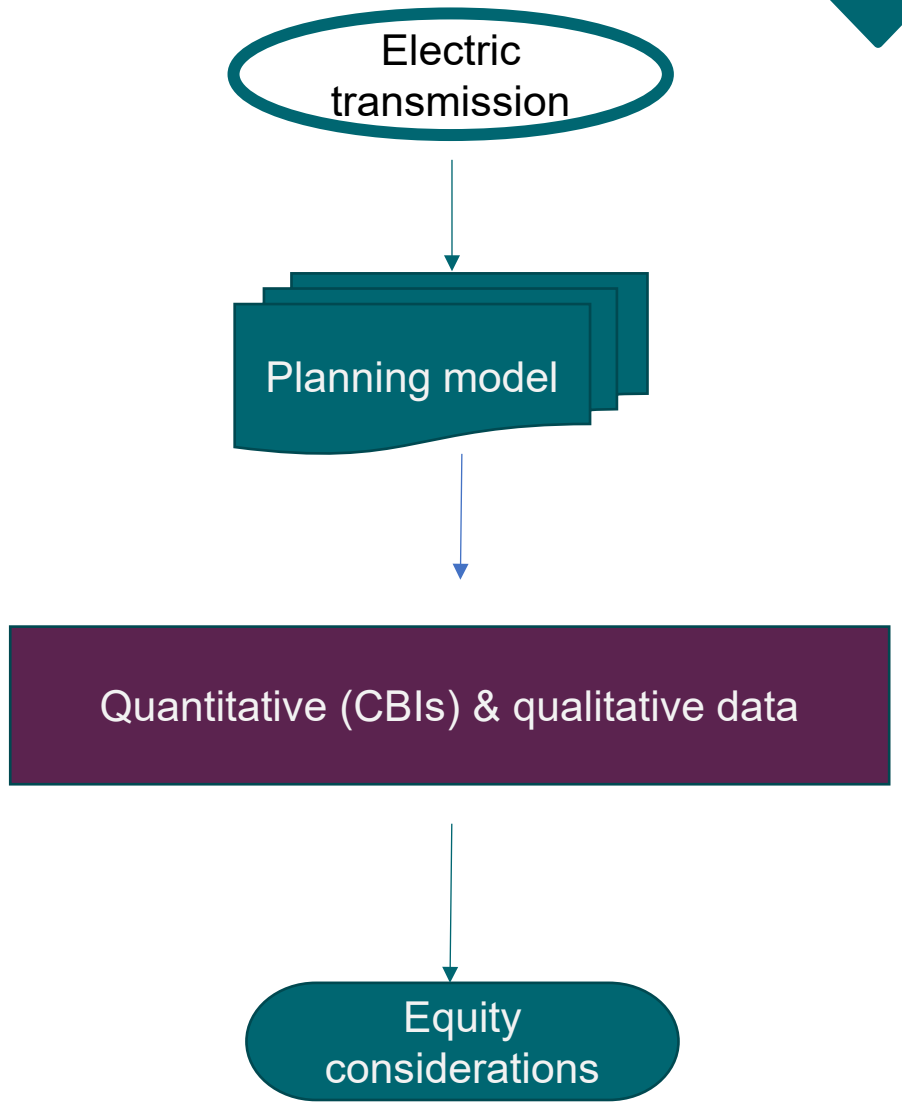
Energy supply (gas and electric)

- Leverage outputs of modeling aligned with CBIs
  - Emissions in metric tons
  - Climate Commitment Act allowance costs
  - Portfolio costs
  - Social cost of greenhouse gas
- Leverages inputs, which incorporate equity, from other teams (customer, delivery, transmission)



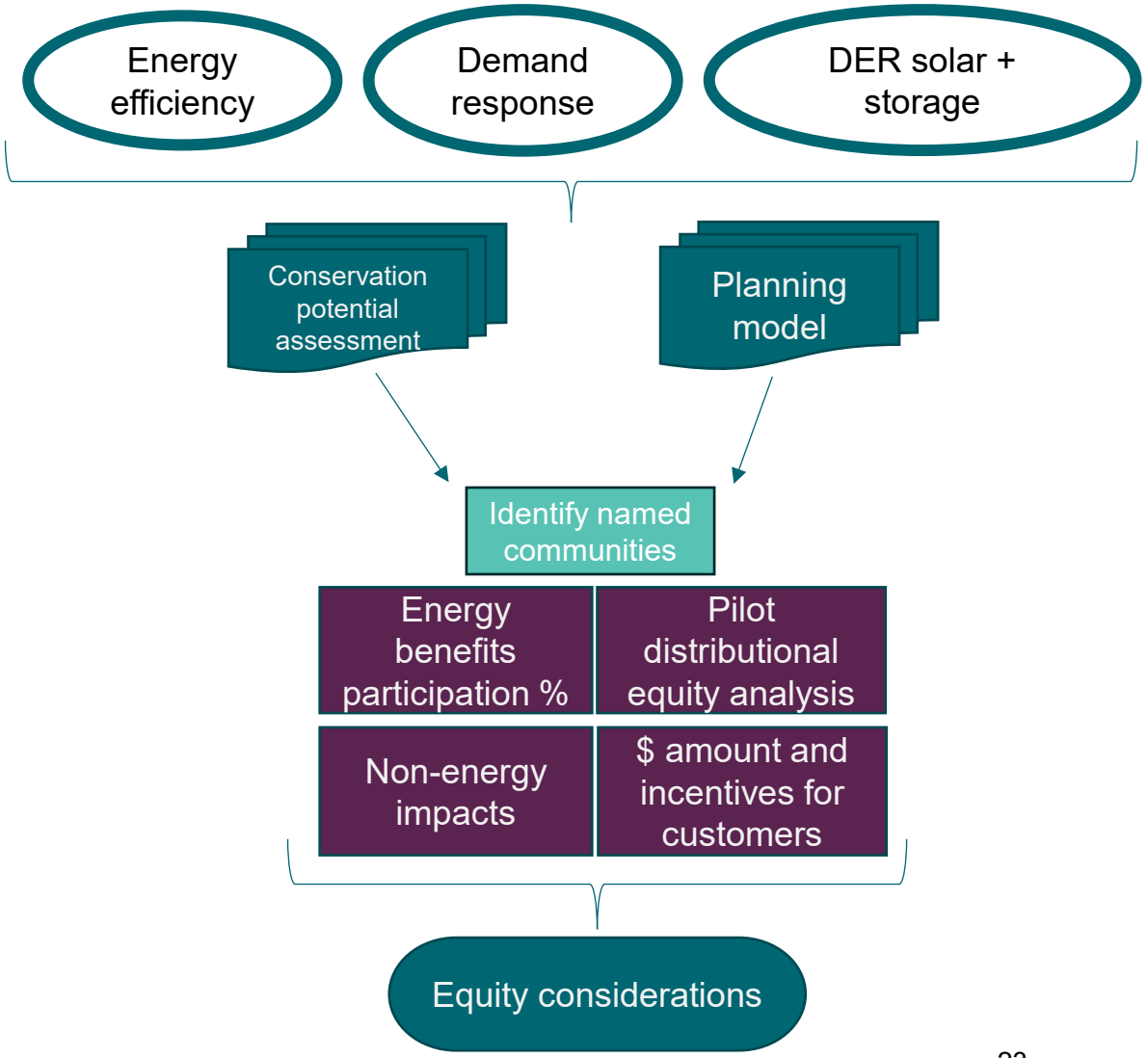
Transmission (electric)

- Reliability considered in planning model
- Seeking ways to expand equity considerations in Transmission planning



Customer strategy (gas and electric)

- Energy efficiency and demand response
  - Impacts of tax incentives
  - Breaks out demand side resources potential for vulnerable populations specifically, and includes non-energy impacts (such as health and safety, comfort, and productivity)
  - Factors in potential energy savings for named communities and incentives for low-income customers for electrification
  - Utilizes non-energy impacts as part of the benefit equation
    - Percent of MW/MWh energy benefits for participants from named communities
    - Costs of products to customers
- Distributed energy resources
  - Includes program incentives that prioritize named communities
  - Incorporates distribution equity analysis pilot learnings – community solar, net metering



Questions?

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Next steps

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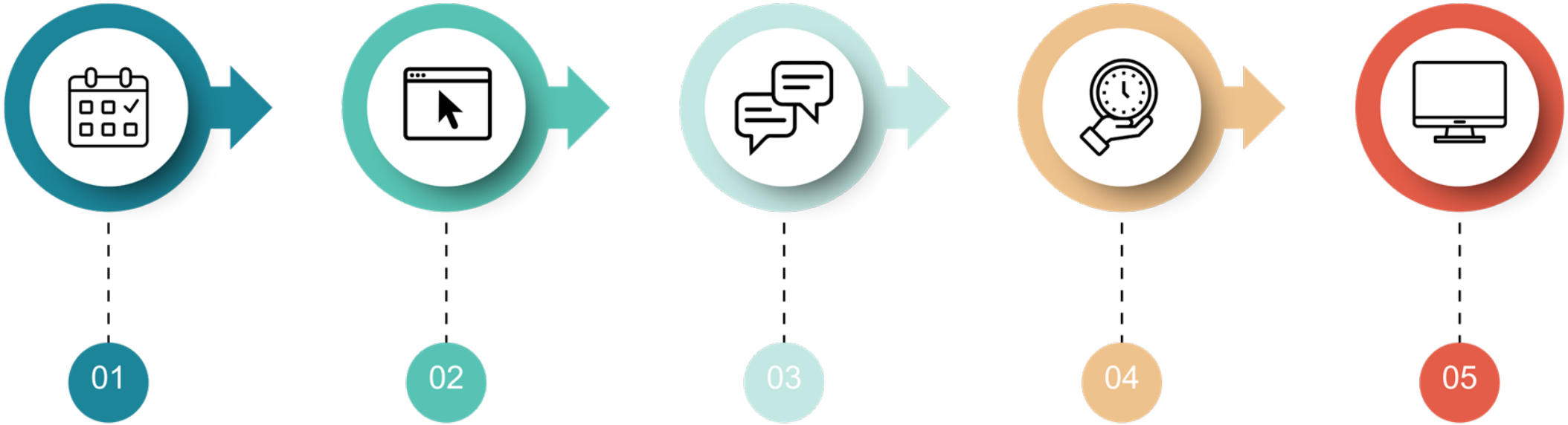
Feedback process



01

One week prior to meeting

The feedback window for the upcoming meeting opens.

02

3-5 business days prior to meeting

PSE posts the meeting agenda and slide deck on the Clean Energy website.

03

Day of meeting

PSE engages RPAG for feedback and facilitates a public comment opportunity.

04

One week post meeting

Feedback window for the latest RPAG meeting closes. Feedback received outside this window will go into the subsequent feedback report.

05

Four weeks post meeting

PSE posts the meeting summary and feedback report from the latest RPAG meeting on the Clean Energy website.

Upcoming activities

Date	Activity
November 6, 2025	Feedback form for this meeting closes
November 13, 2025	RPAG meeting – Iterative analysis
November 18, 2025	Public webinars – Customer priorities for a clean energy future
December 2025	No meetings

Contact us

- Via email at isp@pse.com
- Via feedback form at: https://www.cleanenergyplan.pse.com/contact
- Leave us a voicemail at 425-818-2051
- Subscribe to our email list
- Visit our website: cleanenergyplan.pse.com

Public comment opportunity

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How to participate in public comment opportunity

- Please use the “raise hand” feature if you would like to provide comment
- Each speaker will have up to 3 minutes to give comments
- Comments should relate to today’s meeting topics
- Please keep remarks respectful – no personal attacks
- Comments and questions will be included in the feedback report with PSE’s response
- You are welcome and encouraged to send written feedback and questions to isp@pse.com

Thank you for joining us!

October 28, 2025

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Appendix

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Definitions and acronyms

Acronym	Meaning
CCA	Climate Commitment Act
CETA	Clean Energy Transformation Act
CEIP	Clean Energy Implementation Plan
CETA	Clean Energy Transformation Act
CPA	Conservation potential assessment
DER	Distributed energy resources
DR	Demand response
DSR	Demand-side resource
EE	Energy efficiency
EV	Electric vehicle
GWh	Gigawatt hour

Acronym	Meaning
IRP	Integrated Resource Plan
ISP	Integrated System Plan
MW	Megawatt
RPAG	PSE's Resource Planning Advisory Group
TOU	Time-of-use
V2B	Vehicle-to-building
V2G	Vehicle-to-grid
V2H	Vehicle-to-home
V2L	Vehicle-to-load
V2X	Vehicle-to-everything

Equity considerations within ISP planning groups

Recognition

Procedural

Distributional

Procedural + Distributional

Delivery system (gas/electric)

- Identify specific communities in energy systems mapping, with goals of 30% or more of capital investment distributed to Named Communities.
- Using iDOT, with CBIs built in the tool, to optimize projects and programs.
- Targeted, project specific direct engagement

Energy supply (gas/electric)

- Portfolio level data to evaluate generic resources (electric model) for emissions and portfolio costs
- Plan for potential declining gas demand over time; maintain system integrity; consider emissions reducing alternate fuels; informed by equity considerations from other planning activities (gas model)
- Resource acquisition incorporates equity considerations into project scoring

Transmission (electric)

- Uses iDOT, with CBIs built in the tool, for project evaluations
- Routing informed by overlaying named communities and Justice 40 populations with existing and new transmission needs
- Extensive public engagement in siting and designing new/upgraded transmission

Customer energy strategy (gas/electric)

- Conservation potential assessment (CPA) incorporates vulnerable populations as proxy for low-income; informs amount of demand side resources
- CPA considers non-energy impacts, as well as benefit equation for energy efficiency
- Identifies energy benefits to meet minimum designations across energy efficiency, demand response, and distributed resources
- Identifies incentive amount for low-income customers from electrification