Equity in Delivery System Planning





IRP Webinar – Nov. 6, 2023

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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 for additional input to PSE
- Aim to focus on the webinar topic
- Public comments will occur after PSE's presentations



Safety moment

Drive safely at night

- Daylight Saving Time is over it's getting darker at night
- Clean your windshield and headlights
- Check your tire traction
- Minimize distractions
- Don't drive fatigued (or if you've been awake for more than 16 hours)



Today's speakers

David Landers

Director, System Planning, PSE

Ryan Lambert

Manager, Electric System Planning, PSE

Sophie Glass

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Facilitator, Triangle Associates
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Today's objectives

- Provide baseline understanding of Delivery System Planning (DSP)
- Solicit input regarding priorities for community based resources
- Gather input regarding equitable treatment of measures that can enhance distribution carrying capacity





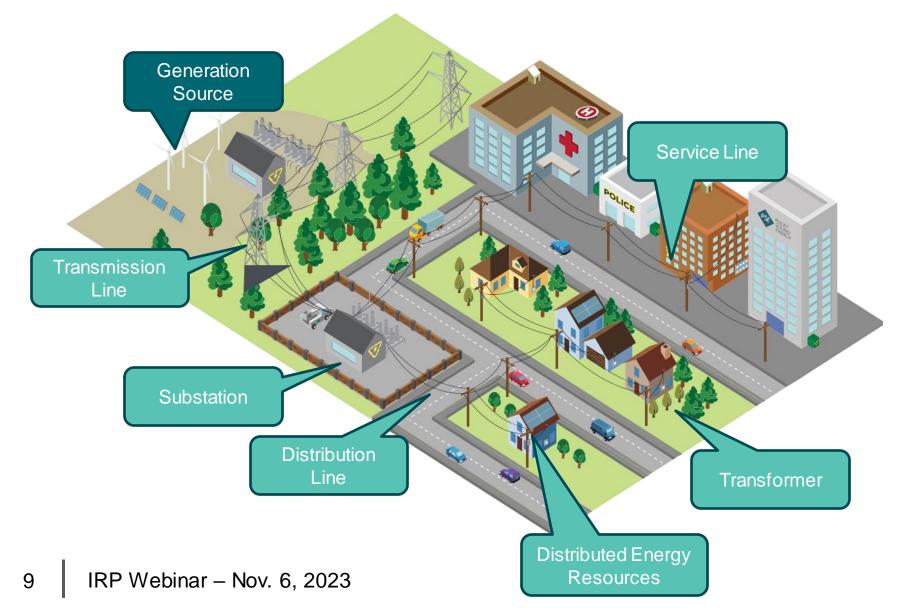
Гime	Agenda Item	Presenter/Facilitator
1:00 p.m. – 1:05 p.m.	Introduction and agenda review	Sophie Glass, Triangle Associates
1:05 p.m. – 1:15 p.m.	Overview of Delivery System Planning (DSP)	David Landers, PSE Ryan Lambert, PSE
1:15 p.m. – 1:25 p.m.	DSP and the IRP	David Landers, PSE Ryan Lambert, PSE
1:25 p.m. – 1:35 p.m.	Enabling tools for Distributed Energy Resources and community-based resources	David Landers, PSE Ryan Lambert, PSE
1:35 p.m. – 1:40 p.m.	Additional considerations in the DSP process	David Landers, PSE Ryan Lambert, PSE
1:40 p.m. – 1:50 p.m.	Poll and Q&A	Sophie Glass, Triangle Associates
1:50 p.m. – 2:00 p.m.	Public comment	Sophie Glass, Triangle Associates
2:00 p.m.	Adjourn	All



Overview of Delivery System Planning



Energy Delivery System - Electric



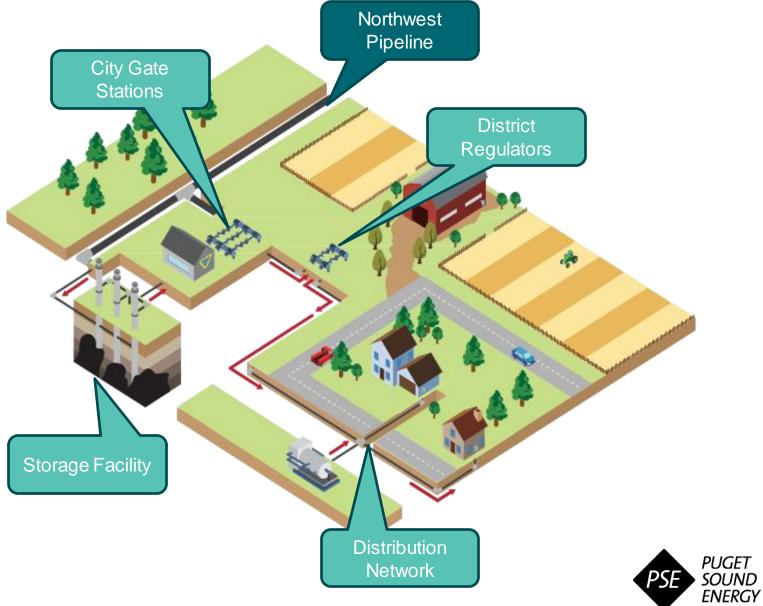






Energy Delivery System – Natural Gas





Delivery System Planning Process

Planning Triggers

- Safety & health
- Equity advancement
- Customer requests
- Load growth
- Grid modernization
- Gas modernization
- Asset health management
- Asset reliability and integrity
- Compliance with regulation
- Resource integration

The delivery system planning process requires many robust capabilities across PSE

- Intake of customer and community input
- Forecasting new customer growth, load changes from climate and electrification
- Monitoring and adaption to new regulations and policy
- System simulation and modeling (normal operation + contingencies)
- Analysis of resource integration
- Benefit and cost analysis
- Project portfolio optimization



System needs, modeling, & analysis Alternatives & recommended solution

Optimize with other projects

Final Plan: portfolio of projects



Delivery System Planning and the Integrated Resource Plan



PSE's IRP and Delivery System Planning are closely linked

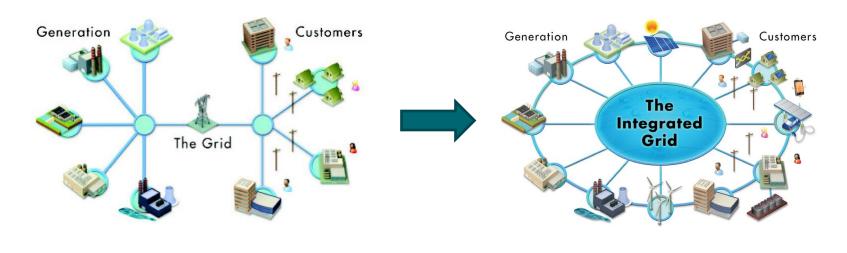
Integrated Resource Planning (IRP)

optimizes resource selections to satisfy energy needs of customers

Delivery System Planning (DSP)

ensures the energy delivery system reliably receives and delivers energy where needed

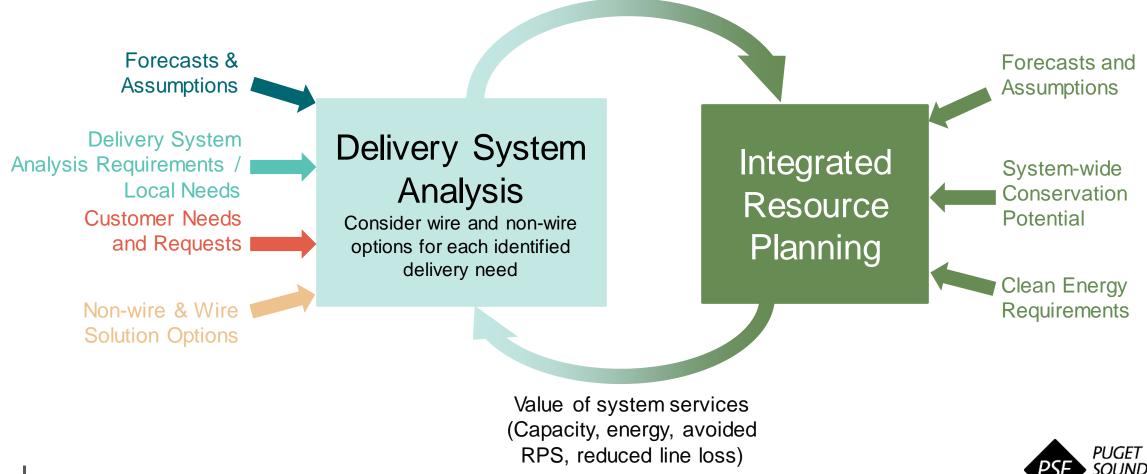
The energy delivery system is being transformed from a one-way delivery system to an integrator of large generation and local resources:





Delivery System Planning and IRP process integration is evolving to support the transformation

Value of avoided T&D (incremental and new capacity) Non-wire alternatives forecast with DERs and storage

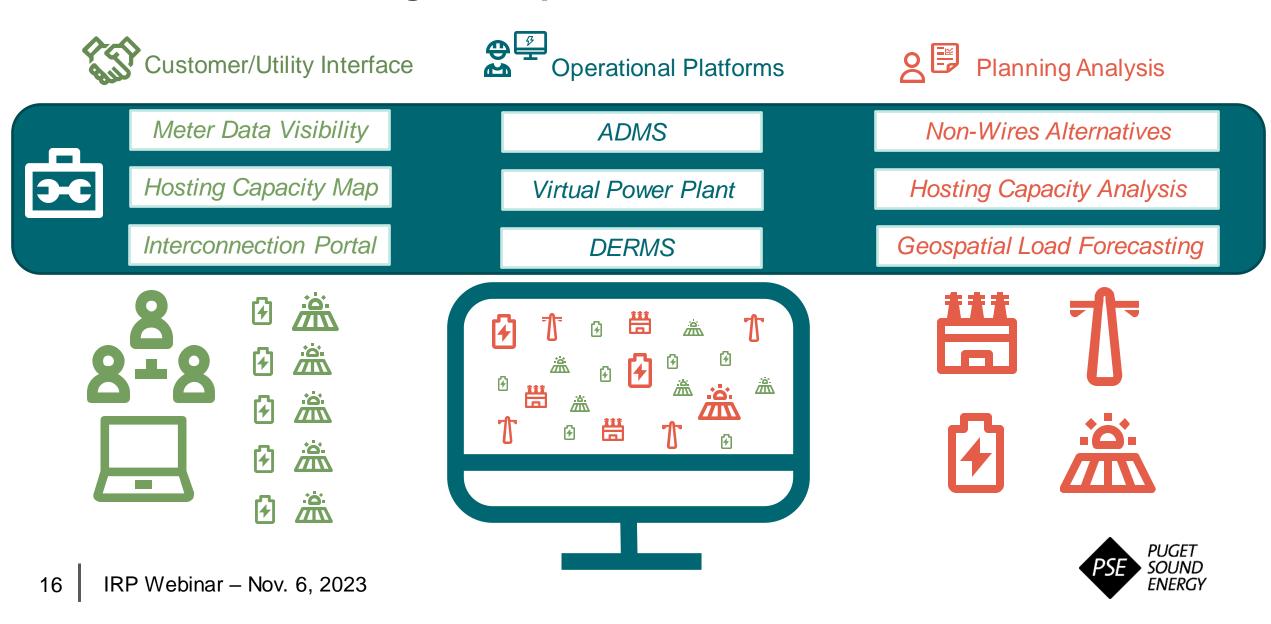


ENERGY

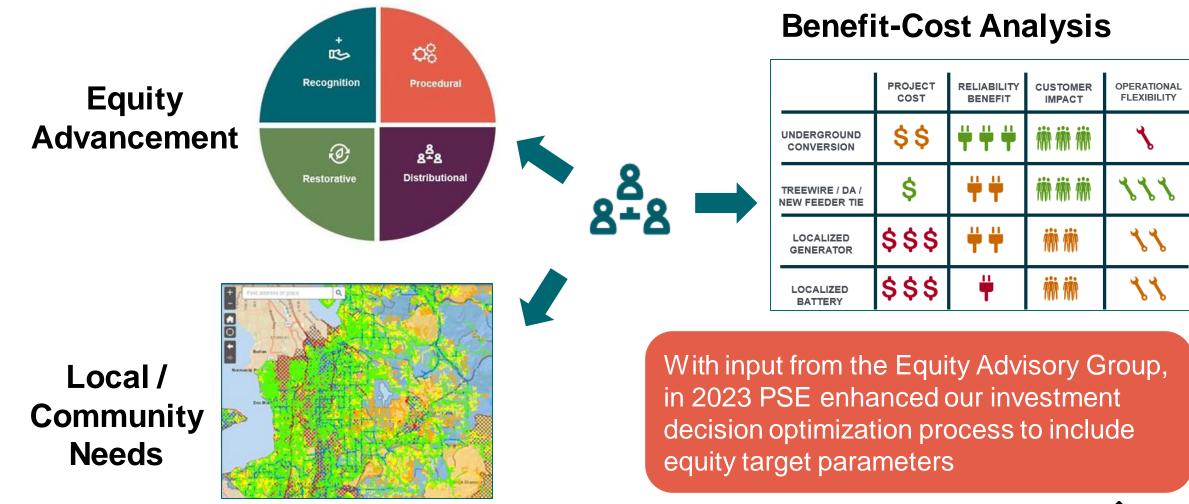
Enabling tools



Technical Tools and Systems for Distributed Energy Resources Planning and Operational Enablement



Key Considerations in Energy Delivery System Project Portfolio Optimization





Additional considerations



Expanding Engagement



- Received input regarding equity and equitable distribution of benefits and incorporated into planning process
- Developed initial equity integration approach for Delivery System Planning investment decisions and utilized in optimizing the 2025 and 2026 project portfolios
- Piloted local community engagement for delivery system planning work
- Expand public and community engagement efforts based on pilot learnings
- Refine investment decision optimization utilizing new definitions, CBIs, and tools
- Expand coordination of planning processes by further integrating with the IRP to guide resource decisions that may benefit the energy delivery system
- Incorporate Distributional Equity Analysis pilot into decision making process
- Continue to mature community engagement practices in delivery system planning by responding to feedback from participants and evaluation of outcomes



Poll and Q&A

Please add your questions to the Q&A box



Next steps



Next steps

- November 13, 2023 Feedback form for DSP webinar closes
- November 15, 2023 Energy Efficiency and Demand-side Resources public webinar
- December 7, 2023 Emerging Resources: Hydrogen public webinar



Public comment opportunity

Please raise your "hand" if you would like to make a comment

