

2022

Powering The People

CUSTOMER PARTNERSHIPS DRIVING THE FUTURE OF ENERGY

OCTOBER 18 | 12-2:30 PM | #PTP2022

Key Takeaways (Dialogue #1): 100% Carbon Free Energy Solutions: Preferences, Challenges, and Pathways Forward

In October 2022, the Institute for Electric Innovation's ***Powering the People 2022: Customer Partnerships Driving the Future of Energy*** event brought together industry leaders from electric companies, major customers, environmental organizations, technology companies, regulators, and other stakeholders for two dialogues focused on emerging issues in the electric power sector.

The first dialogue focused on ***100% Carbon Free Energy Solutions: Preferences, Challenges, and Pathways Forward***.

- Lisa Wood of EEI provided opening remarks.
- Mary Kipp of Puget Sound Energy moderated a discussion with: Doug Cannon of NV Energy, Holly Lahd of Meta, and Emmett Romine of Xcel Energy.

Key takeaways are summarized and highlighted below.

[Click Here for the Agenda and Speaker Bios](#)

Realizing shared climate goals in an affordable and reliable manner requires close partnerships with C&I customers.

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EEI describes how the conversation around carbon free energy (CFE) evolved in the past few years from focusing on renewable energy to utilizing all available CFE resources on a table, both on the supply side and the demand side, to get to a clean energy future in an affordable and reliable way.

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Puget Sound Energy (PSE) explains how its clean energy subscription program, Green Direct, enables PSE's corporate and governmental customers to purchase 100 percent locally sourced CFE to match their annual electricity consumption. Green Direct now has more than 40 customer participants.

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NV Energy describes how they worked with Google and the Public Utilities Commission of Nevada on a clean energy bilateral agreement to direct a portion of new solar and battery capacity to serve all

customer load during the peak summer periods. NV Energy estimates this win-win arrangement saves all customers at least a million dollars a year.

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Xcel Energy speaks to the need to develop additional dispatchable baseload CFE resources, such as SMRs, long-duration storage batteries, and hydrogen. Customer side resources are equally important to support the adoption of more CFE and partnerships with C&I customers will be the critical part of the solution.

Meeting the many objectives of all customers may necessitate a portfolio of CFE, reliability, and resiliency solutions.

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Meta describes the key considerations it uses for procuring CFE, including adding new clean energy resources to the grid, maximizing the value of GHG reductions, minimizing the cost impact on other customers, and contributing to reliability to the overall grid system.

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NV Energy explains the importance of understanding diverse sets of customers' motivations behind pursuing CFE procurement and the role of the electric company in providing solutions that align with customers' business and sustainability goals.

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Xcel Energy explains its Resiliency as a Service offering and working with customers to scope, construct, operate, maintain, and decommission resiliency resources, such as a microgrid, and charge the customers through their bill. Customers are seeking solutions that address their business needs for resiliency along with CFE supply and electric companies are well positioned to work with customers and create solutions.

Addressing the challenges inherent in the pace of regulation and evolving sustainability reporting requirements.

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NV Energy describes the tension between the speed of the business community seeking CFE solutions and the pace of regulation. Electric companies play critical roles in helping move regulators closer to the speed of business and the key is to engage regulators early on and deliver customer's voice to communicate how innovation can bring value to all customers.

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Meta discusses the challenges that exist in corporate sustainability reporting methodologies and its recent initiative to develop a methodology to evaluate the emission reduction impact of standalone energy storage.