

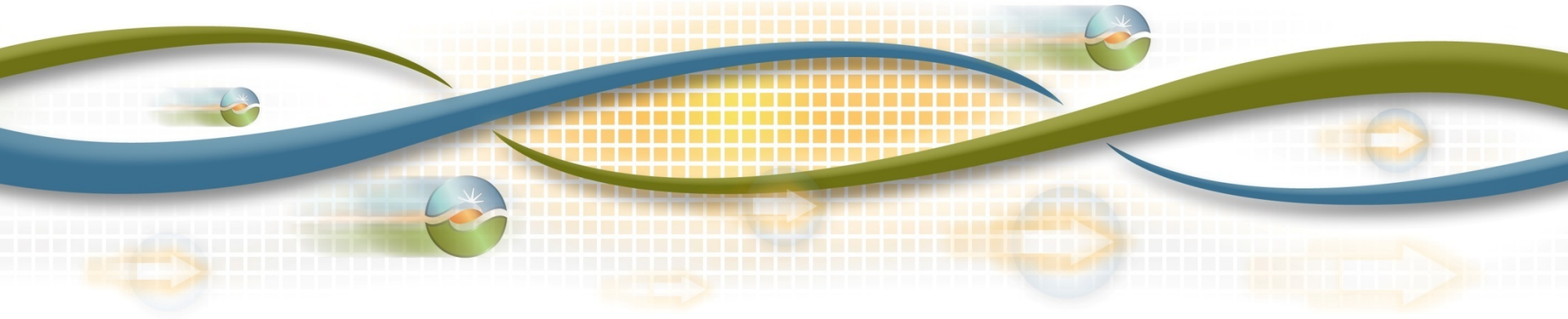


California ISO
Shaping a Renewed Future

Welcome to the ISO

Demand Response / Energy Efficiency Roadmap Workshop

May 13, 2013



Panel 1: Demand Response / Energy Efficiency Goals

- Facilitator: Heather Sanders, ISO Director, Regulatory Affairs – Distributed Energy Resources
- Barbara Barkovich, California Large Energy Consumers Association
- John White, Center for Energy Efficiency and Renewable Technologies
- Ken Abreu, Pacific Gas & Electric
- Mona Tierney-Lloyd, EnerNOC

Panel 1: Demand response / energy efficiency goals

- The ISO has identified some objectives for demand response and energy efficiency in the context of ISO system reliability and cost effectiveness...from your perspective, what roles do you think demand response can play?
- How would you prioritize the objectives for demand response participation?
- Do the objectives articulated by the ISO make sense? How would you modify or add to them?

Panel 2: ISO Market Integration

- Facilitator: Khaled Abdul-Rahman, ISO Executive Director, Power System & Smart Grid Technology Development
- Beth Reid, Olivine
- Carlos Lamas-Babbini, Comverge
- Muir Davis, Southern California Edison
- Sila Kiliccote, Lawrence Berkeley National Lab

Panel 2: ISO market integration

- How would you differentiate what demand response programs should be bid into the ISO markets?
- What are the key barriers to ISO market participation?
- What would you recommend be done to overcome those barriers?
- Based on your perspective of the highest impact activities for increasing demand response participation, what is the priority?

Panel 3: Wholesale and Retail Alignment

- Facilitator: John Goodin, ISO Regulatory Policy Manager
- Barbara Barkovich, California Large Energy Consumers Association
- Jeff Bladen, DNV KEMA – Energy & Sustainability
- Karen Herter, Herter Energy Research Solutions
- Muir Davis, Southern California Edison

Panel 3: Wholesale and retail alignment

- Beyond direct dispatch of a resource by the ISO or utility, there may be ways to connect what is going on the grid – transmission or distribution with how consumers and their devices respond...describe from your perspective the disconnect connecting retail response to grid conditions.
- Tell us about experiences where this has been done. For instance, real-time pricing pilots or other pilots that send a signal to customers to reduce or consume energy? How well did these pilots work?
- What barriers exist in California to align retail energy consumption to the reliability needs of the grid?
- What key actions should be taken and who should lead them to make enhance the alignment between retail consumption and the operational needs of the grid?

Panel 4: Transmission Alternatives

- Facilitator: Neil Millar, ISO Executive Director, Infrastructure Development
- Barbara George, Women's Energy Matters
- Luke Tougas, Pacific Gas & Electric
- Sierra Martinez, Natural Resources Defense Council
- Carl Silsbee, Southern California Edison

Panel 4: Transmission alternatives

- When we talk about alternatives for transmission and generation capacity, what do these include?
- When considering these alternatives, what is the trade-off between considering them in the planning assumptions versus considering them as ways to address identified needs?
- What mechanisms are in place to measure the effectiveness of energy efficiency and demand response programs?
- Prior to full implementation when DR and EE effectiveness can be measured, what, if any

Panel 5: Demand Response and Energy Efficiency Investments

- Facilitator: Greg Cook, ISO Director Market and Infrastructure Policy
- George Katsufrakis, San Diego Gas & Electric
- Glenn Steiger, North America Power Partners LLC
- Karen Herter, Herter Energy Research Solutions
- Rich Quattrini, Johnson Controls

Panel 5: Demand response / energy efficiency investments

- What approaches or mechanisms would better encourage investment in demand response designed to meet the ISO's future operation needs (i.e., ramping, load following, regulation, over generation conditions)?
- How could the programs be targeted to specific locations to meet local capacity requirements?
- What is your perspective on the ISO proposed capacity markets?
- What are the key activities that should be done and who should lead them to increase demand response resources' contribution to meeting grid reliability challenges?