

The United States Department of Energy, Office of Electricity Delivery and Reliability and Sandia National Laboratories invite you to a one-day Energy Storage Workshop for Southwest Utility Regulatory Commissioners in Albuquerque, New Mexico, on Tuesday, May 3, 2016.

Background

Energy storage is important to the next generation of the electricity grid. Because of the diverse technologies and applications associated with energy storage, it has a place in both regulated and deregulated markets. Energy storage can be an asset for transmission upgrade deferral, facilitate distributed generation, and serve as a complement to renewable energy portfolio standards requirements. There are unique challenges and opportunities in the Southwest for electricity reliability.

This workshop is modeled after a successful workshop held last year with utility regulatory commissions in the Pacific Northwest. In July 2015, staff, commissioners and chairs representing Idaho, Montana, Oregon and Washington convened to discuss how energy storage fits into regional interests and power system conditions, considering existing state, regional, and utility resource planning processes. The workshop provided presentations on the present state of technology, including significant cost drivers for deployment; models for siting, sizing, and estimating value streams; and research focus areas to address key technical questions. While the path forward for energy storage does not necessarily require regional action, the group agreed that regional sharing of models, knowledge and approaches was very valuable.

SNL Southwest Public Utility Regulators & Commissioners Workshop Goals

- Present energy storage technologies and applications that improve reliability, resource planning, and markets
- Assess how energy storage technologies and systems have been helpful in demonstration projects
- Consider the next step in electricity grid transformation that includes energy storage technologies
- Understand the opportunities and challenges for grid-scale energy storage systems
- Discuss regulatory or policy issues to support the use of energy storage applications

Energy Storage Workshop Networking Opportunities

Share relevant state regulatory activities

- Utility Planning Requirements
- Regional Reliability Guidelines

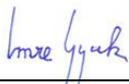
Share relevant state planning approaches

- State Energy Plans
- State Renewable Energy Plans

We expect participants with diverse backgrounds and wide-ranging experience, including State Energy Regulatory and Policy Development, Power System T&D Planning, Renewable Energy Portfolios Standards (RPS), Energy Storage Technologies & Applications, and Utility Project Development.

The Workshop Agenda will include the following:

- Energy Storage Technologies and Applications: Basics & Trends
- ES and Grid Modernization Considerations
- ES Demonstration Projects & Case Studies
- Facilitated Discussions



Dr. Imre Gyuk, DOE/ OE ES Program Manager



Dr. Babu Chalamala, Dept Manager Sandia Labs