

Defining the Future Workshops

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U.S. DOE & Western Area Power Administration

Agenda for this Introduction

1. Defining the Future: Opportunities & Issues, Workshop Purpose, Goals & Objectives
2. Agenda for Today's Workshop
3. The Working Groups
 1. Transmission Planning & Operations
 2. The Future of Transmission Services
 3. Western's New Transmission Authorities
4. Western at a Glance
5. Clarifying Questions & Answers

Opportunities & Issues

- ❑ All utilities face the challenge of transitioning to a resilient, flexible and efficient 21st Century grid
- ❑ Complying with NERC reliability standards
- ❑ Enhancing services and rate structures
- ❑ Integrating variable resources
- ❑ Scheduling on an intra-hour basis
- ❑ Centralizing dispatch

More Opportunities & Issues

- ❑ Responding to solar flares
- ❑ Minimizing cyber-security vulnerabilities
- ❑ Responding to the recommendations in the Federal Energy Regulatory Commission (FERC) and North American Electric Reliability Corporation (NERC) Report entitled: *Arizona-Southern California Outages on September 8, 2011* (Blackout Report)

A Commitment to Hear Diverse Views

- Tribes
- Western's preference power customers
- Western's transmission customers
- Generators
- Transmission providers
- Load Serving Entities
- States (including Governor's Offices, Regulatory Commissioners/Staff, etc.)
- Ratepayers and consumer advocates
- Members of Congress
- Other interested parties (e.g. environmental organizations, new technology providers and developers).

Purpose of the Workshops

Given that the electricity system as a whole has opportunities and faces risks in building a 21st century grid, these workshops seek input from stakeholders & Tribes in the Western Area Power Administration footprint on the role that Western can play in defining the future of the electricity system.

Goals for the Workshops

- ❑ Context: All utilities face the 21st century grid challenge to contribute to a healthy, secure, competitive & prosperous future, but views differ on what Western's role should be
- ❑ Goal: To present the opportunities and issues identified in Secretary Chu's Memo

More Goals ...

- ❑ Goal: To create an environment where diverse stakeholders are comfortable providing input on a range of difficult issues
- ❑ Goal: To identify value added opportunities for Western as it seeks to support grid modernization while maintaining a commitment to its historic mission

Objectives for the Workshops

- ❑ To get input from Tribes & stakeholders in three specific areas: Transmission Operations and Planning, Design of Transmission Services, and New Transmission Authorities
- ❑ To capture the diversity of views represented
- ❑ To capture value added opportunities where Western can make a difference

More Objectives ...

- ❑ To take your input on defining a communication process for continuing Tribal & stakeholder input and interaction
- ❑ JOT will combine the input from workshops, listening session statements and written comments submitted to JOT and formulate recommendations for Secretary Chu

Workshop Agenda

DRAFT AGENDA

DOE/Western Joint Outreach Team Stakeholder Workshop:
 Discussion on the Western Area Power Administration's
 Implementation of Secretary Chu's Memorandum

	8:00 – 8:15 am	Welcome Remarks
	8:15 – 9:20 am	Overview of the Day and Team Introductions This session will provide an overview of the day and the issue-based structure that the DOE/Western Joint Outreach Team (JOT) is employing to address the areas of focus outlined in Secretary Chu's March 16 th memorandum.
	9:20 – 9:30 am	MOVE INTO CONCURRENT SESSIONS
	09:30 – NOON (includes break)	Concurrent Sessions Workshop participants will break out into smaller group discussions on—Electric System Planning and Operations, Design of Transmission Services, and New Transmission Authorities. The three concurrent sessions will follow the same format, outlined below. <ul style="list-style-type: none"> § <i>Introduction</i> – The DOE and Western leads will provide brief background comments on their individual issue areas and pre-read materials. § <i>Stakeholder Perspectives Panel</i> – Representatives from a diverse set of stakeholder groups ranging from Western preference customers to renewable energy generators and environmental organizations will provide brief comments on the specific topic areas outlined in the Working Group's pre-read materials in advance of the larger group discussion. § <i>Group Discussion</i> – This facilitated discussion will focus initially on the specific areas of focus/issues outlined in the pre-read materials to assess if they are the right areas to focus on, if any of the included topic areas/issues should not have been, or if any topic areas/issues are missing.
	NOON – 1:00 pm	LUNCH

Workshop & Listening Agenda

NOON – 1:00 pm	LUNCH
1:00 – 2:45 pm	<p>Concurrent Sessions (continued)</p> <p>Building on the morning session, in the afternoon, the breakout groups will focus on prioritizing the topic areas/issues identified and begin to identify potential paths forward for addressing those issues.</p> <p>The breakout group will select two spokespeople to present Topic Areas and associated Key Issues to the Plenary Group.</p>
2:45 – 3:00 pm	BREAK AND RECONVENE TO PLENARY GROUP
3:00 – 5:00 pm	<p>Plenary Session: Presentations of Priority Implementation Issues from the Concurrent Sessions</p> <p>Each breakout group will present its topic areas and priority issues coming out of the concurrent sessions, providing ample time for responses, questions, thoughts and recommendations from the larger group.</p>
5:00 – 5:15 pm	<p>Wrap-Up</p> <p>Summarize the day's discussion and provide participants with additional information on how this effort will move forward in the coming months.</p>
5:15 pm	ADJOURN THE STAKEHOLDER WORKSHOP
6:00 – 8:00 pm	Listening Session
ADJOURN FOR THE DAY	

Workshop Breakouts

- Transmission Operations and Planning Working Group
- Design of Transmission Services Working Group
- New Transmission Authorities Working Group

Transmission Operations & Planning (TOP)

The Transmission Planning and Operations Working Group will focus on identifying what is working well within the Western footprint as well as improving Western's existing infrastructure and improving Western's collaboration with other owners and operators of the grid.

TOP: Acknowledging Efforts & Improving Western's Existing Infrastructure

- ❑ Western's 10 Year Transmission/Capital Improvement Plan
- ❑ Complying with NERC Reliability and Critical Infrastructure Protection Standards
- ❑ Integrating Variable Resources
- ❑ Centralizing Dispatch

Acknowledging Efforts & Improving Infrastructure: Sample Questions

- ❑ How can the Regional 10 Year Transmission/Capital Improvement Plan processes be refined to better account for reliability, commercial and strategic needs?
- ❑ How can Western provide leadership and support for efforts to respond to the recommendations in the FERC and NERC Report regarding September 8, 2011 events?
- ❑ How can Western provide leadership and support in the joint initiatives to identify, develop and enhance tools to facilitate the integration of variable energy resources?

TOP: Acknowledging Efforts & Improving Collaboration with other Owners and Operators of the Grid

- ❑ Strengthening Relations with Other Owners and Operators
- ❑ Coordinating Operations with Neighboring Balancing Authorities
- ❑ Participating More Effectively in Regional Planning

Acknowledging Efforts & Improving Collaboration: Sample Questions

- What can Western do to facilitate longer term (20 year+) planning in Western and Eastern Interconnections?
- What enhancements are needed to ensure that Western and other utility operators have the situational awareness needed to operate reliably?
- What capabilities within the Western and Eastern Interconnections should Western promote to enhance long term system operations and planning?

TOP Focal Points for DSW

- ❑ The first portion of the Working Group break out will be focused on identifying the opportunities & issues that should be the focal point for the DSW region of Western.
- ❑ The remaining breakout time will be used to dig into these focal points by both identifying things that are working well as well as identifying key value added opportunities.

Design of Transmission Services (DOTS)

The Design of Transmission Services Working Group will be focused identifying what is working well within Western as well as on improving Western's transmission services and rate designs.

DOTS: What is Working Well and Value Added Opportunities

Discussion Areas

- Integration of Variable Energy Resources
- Minimize Rate Pancaking
- Energy Efficiency and Demand Response
- Increased Electric Vehicle Use

DOTS: Sample Questions

- ❑ What improvements in operating technology, procedures and practices offer the best value added for Western and its customers in increasing the level of variable energy resources that Western could support without significant cost/operational impacts?
- ❑ Is rate pancaking within Western's system hindering the development of cost effective exchanges among different parts of Western's system? If so, what can be done to mitigate this?
- ❑ Should incentives for energy efficiency and/or demand response be incorporated into Western's rate design?

DOTS Focal Points for DSW and CRSP

- ❑ The first portion of the Working Group break out will be focused on identifying the opportunities & issues that should be the focal point for the DSW/CRSP region of Western.
- ❑ The remaining breakout time will be used to dig into these focal points by both identifying things that are working well as well as identifying key value added opportunities.

New Transmission Authorities

The New Transmission Authorities Working Group will evaluate existing authorities that have been enacted in the last few years that authorize Western to become involved in developing or participating in the development of new infrastructure.

New Transmission Authorities: Areas of Discussion

- ❑ Summary of Section 1222 functions and requirements
- ❑ Application process
- ❑ Evaluation criteria
- ❑ Program consistency and interaction with Western's Transmission Infrastructure Program
- ❑ Transparency / communications with applicants

New Transmission Authorities: Questions

- How can DOE and Western improve program transparency?
- How can decision points in the application process be designed to provide appropriate feedback?
- What factors should DOE and Western consider in evaluating an application?
- Are there transmission needs in your region that may be served by a § 1222 project?

New Transmission Authorities Focal Points for DSW & CRSP

After an opening briefing describing the new transmission authorities that have been enacted in the last few years, the participants will identify the opportunities and issues relative to the new transmission authorities that should be focused upon in the DSW & CRSP context.

Reports from the Working Groups

- ❑ Each working group will identify focal points that are tailored to the DSW & CRSP situation
- ❑ The working groups will address the focal points in turn and facilitators will document key points of the discussion
- ❑ Two or more delegates will be chosen from each to report back to the plenary at 3 pm
- ❑ The delegates are charged with identifying the focal points, reporting on the discussion and capturing the diversity of views expressed
- ❑ A facilitated discussion of the report from each group offers all participants to comment/add to the report