

Defining the Future Workshops

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Agenda

1. Review of Workshop Objectives
2. Workshop Comments and Ideas
 - Diverse Views from the Workshops
 - Potential Ideas from the Workshops
3. Post-workshop Process
 - Recommendation Formulation Process
 - Recommendation Schedule
4. Q&A

Workshop Objectives

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

More Objectives ...

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

Objectives 1 and 2: Capturing Input and the Diversity of Views

Customer Views – Baseline Issues

- Efforts already taken by Western and Western customers should be recognized
- Beneficiaries/users should pay for improvements
- Regional differences should be recognized
- Legal authorities/limitations of Western should be clearly defined as a first step
- New federal funding should first support core mission activity & then fund any incremental Western responsibilities

Customer Views – Operations

- ❑ West wide initiatives require more study and justification (EIM benefits over stated)
- ❑ EIM, Coordination & Consolidation of operations might be beneficial but should be studied incrementally & with due diligence
- ❑ Consolidation might dilute local expertise and reduce visibility of local problems
- ❑ On-going DSS, ADI, 15 min scheduling & ITAP might capture EIM benefits
- ❑ On-going efforts by Western and customers should be reflected in any operations recommendations

Customer Views – Planning

- ❑ BOR & Corps should be involved in these discussions because they are familiar with the operational limits on generation
- ❑ Ten year IRP planning is adequate coordination for the Western footprint
- ❑ DOE and WAPA need to ensure their directives do not conflict with State Renewable & Energy Efficiency requirements
- ❑ Additional involvement of Western employees and resources in regional planning, planning for VER's, etc. should not be paid for by customers

Customer Views – Transmission Services

- Upcoming Electric Water Heater restriction & Diesel emission rules should be reconsidered
- Electric vehicles may play a storage role only in urban areas
- Energy efficiency and DSM is a retail function that is already being addressed and should not be addressed by Western
- IS in eastern Upper Great Plains has a single transmission rate, may not be achievable in other Western regions
- Increased use of existing transmission capacity must do no harm to customers

Stakeholder Views – Baseline Issues

- ❑ Agree that beneficiary must pay but definition of benefits, costs and who the beneficiaries are differs from customers
- ❑ Renewable development is an economic development opportunity and Western should support economic development
- ❑ 21st Century Grid requires a lot more data, a lot more technology, a lot more expertise and leadership from all utility sectors so Western should help lead
- ❑ Planning beyond 10 years is required and Western should provide leadership

Stakeholder Views – Operations

- ❑ EIM market benefits are large and reliability benefits (which are not quantified in studies) have been even greater in SPP
- ❑ Western should help with implementation of EIM
- ❑ Consolidation of operations is an opportunity to reduce the cost of meeting energy requirements thus can benefit customers so Western should continue exploring opportunities to consolidate

Stakeholder Views – Planning

- ❑ Western should be more involved in 10 and 20 year planning at WECC and in sub-regions
- ❑ Western's data, technical expertise and knowledge of Western's resources and operations should be shared more fully in sub-regional and regional planning activities
- ❑ Planning should reflect the costs of carbon and other environmental externalities
- ❑ Interconnection procedures could be further improved
- ❑ Restore DOE funding for Western RE/EE activity

Stakeholder Views – Transmission Services

- ❑ Western has obligations to Preference Customers and Transmission Customers
- ❑ Existing transmission capacity is under-utilized and it should be more fully utilized
- ❑ Western should seek to make its available transmission capacity more available to renewable developers
- ❑ Increasing transmission utilization by offering new services is a potential revenue generating opportunity that could benefit customers

Tribal Views

- ❑ Government to Government relationship is key trust, treaty and consultation should guide the Government to Government relationship
- ❑ Tribes can use help getting through the interconnection process so that energy can be delivered from Tribal resources to markets
- ❑ Some hydro projects used Tribal lands but Tribes say they did not benefit from the energy from those projects until the 1990's or later

Tribal Views

- ❑ Tribal view of planning is to plan to the seventh generation, which is approximately 140 years
- ❑ Some tribal representatives say they want externalities and carbon impacts reflected in procurement and planning

Objectives 3: Potential Value Added Ideas from the Workshop

Ideas from the Workshops

- Operations

- ❑ Customers, stakeholders and Tribes could work together to define the proper base line assumptions for EIM type studies
- ❑ Making more OASIS data visible by more entities could enhance visibility
- ❑ DOE/Western/Customers/Stakeholders/Tribes should work together to address the technical workforce needs of Western
- ❑ Further discussion between Western, DOE, BOR, Corps and DOI on Hydro optimization opportunities could occur (but customers want to be held harmless from changes)

Ideas from the Workshops – Planning

- ❑ Western, DOE and BOR could discuss opportunities for additional pumped storage facilities on BOR hydro systems
- ❑ Stakeholders/Tribes/Customers could work together to identify value added opportunities that require DOE funding to support increased Western involvement in studies and planning activities
- ❑ Western could participate in studies that evaluate potential high impact events such as drought and closure of base load generation facilities that could affect a wide range of Western customers & stakeholders

Ideas from the Workshops – Transmission Services

- ❑ DOE could address the phase out of water heaters > 55 Gallons given their value in some regions as an energy storage medium
- ❑ Western/customers/stakeholder/Tribes could seek revenue enhancing opportunities that allow greater utilization of transmission and hold customers harmless (or provide benefit)
- ❑ Western could work with stakeholders, customers & Tribes to evaluate whether the WestConnect pricing experiment for non-firm transmission service is effective
- ❑ Water/energy nexus issues require more study

Objectives 4 & 5: Continuing the Dialogue Moving Forward and the Recommendation Process

Next Steps:

Formulation of Recommendations

- ❑ JOT Members
- ❑ JOT Mission, Vision
- ❑ JOT Goals
- ❑ JOT Guiding Principles
- ❑ JOT Milestones

JOT Members

Participants

- ❑ Ron Moulton, Co-Lead
- ❑ Jennifer DeCesaro, Co-Lead
- ❑ Linda Cady-Hoffman
- ❑ Penny Casey
- ❑ Erin Green
- ❑ Howard Hirahara
- ❑ Jack Murray
- ❑ Randy Manion
- ❑ Sam Walsh
- ❑ Jay Caspary
- ❑ Anjan Bose
- ❑ Ian Adams
- ❑ Sam Thomas

Supporting Participants

- ❑ Rodney Bailey
- ❑ Darren Buck
- ❑ Kevin Howard
- ❑ Catherine Castle
- ❑ Mike McElhany
- ❑ Subhash Paluru
- ❑ Lynn Jeka
- ❑ Lisa Meiman
- ❑ Carl Linvill (consultant)
- ❑ Lisa Vedder (consultant)
- ❑ Brendan Kirby (consultant)

JOT Mission and Vision

Mission

Identify opportunities and develop strategies to ensure the viability, sustainability, and resiliency of Western to continue to meet its core mission and respond to the energy challenges of the 21st Century.

Vision

Develop recommendations through a creative, deliberative, robust, informed and collaborative process in support of JOT's mission.

JOT Goals

Goals

- ❑ Support engagement with Western, DOE, and stakeholders.
 - ❑ Gather input through an extensive public engagement process to inform this effort.
 - ❑ Conduct a meaningful review of all stakeholder input gathered.
- ❑ Develop a communications plan.
- ❑ Ensure that JOT's efforts are complementary with any ongoing parallel efforts both internal and external to Western.
- ❑ Establish guiding principles for JOT internal workings.
- ❑ Establish guiding principles for developing draft recommendations.

JOT Goals

Goals

- ❑ Establish rules of engagement for JOT's members.
- ❑ Establish and adhere to JOT Project Plan.
- ❑ Evaluate all input and utilize the relevant expertise of team members and others to develop a set of draft recommendations.
- ❑ Provide draft recommendations for review and comment and consider comments when developing final recommendations.
- ❑ Submit final recommendations to the Secretary of Energy for consideration.

JOT Guiding Principles

For JOT

- ❑ Honor all commitments heretofore made in the process.
- ❑ Conduct an open and transparent process.
- ❑ Maintain JOT autonomy and independence necessary to achieve the mission.
- ❑ Conduct periodic reviews of both process and products.

JOT Guiding Principles

For Draft Recommendations

- 1) Recommendations should include a what, why (value proposition), and how structure.
- 2) Remember the unique attributes of the regions.
- 3) Coordinate with federal generation agencies (ACOE and BOR).
- 4) Beneficiary pays.
- 5) Capture existing efforts that are being done and done well.
- 6) Capture areas that the teams reviewed and did not develop a recommendation to address.
- 7) Consider limitations to Western's authority and address as appropriate.

JOT Projected Milestones

MILESTONE	DATE
JOT Recalibration	Late August
Comment Review and Compilation	Early September
Public Involvement Process Wrap-Up Webinar	Early September
Tribal Consultation Wrap-Up Webinar	Early September
Recommendation Drafting Process	August - November
Publish Draft Recommendations in Federal Register and Begin Public Comment Period	November
Webinar on Draft Recommendations	November
Public Comment Period on Draft Recommendations Closes	December
Present Final Recommendations to the Secretary	Late December

Questions & Answers



Contact us

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<http://ww2.wapa.gov/sites/western/about/Pages/Definingfuture.aspx>

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