

OPUC Transmission Workshop 1
January 17, 2019 Agenda

- 1. Introduction** – Speaker: Cameron Yourkowski, Renewable Northwest; *9:00 – 9:15 (15 minutes)*
 - Overview of transmission workshops
 - What Commissioners, Staff, and stakeholders should learn from these workshops

- 2. Regional Transmission Landscape** – Speaker: Ravi Aggarwal, Bonneville Power Administration (BPA); *9:15 – 10:40 (1 hr 10 minutes presenting, 15 minutes for questions)*
 - Electric utility system operations
 - The physics of matching generation to load
 - How power flows on the grid vs. a transmission tariff contract path
 - Key entities and their responsibilities/roles
 - Western landscape
 - Northwest landscape: combined transmission system
 - Challenges and opportunities
 - Safety and reliability
 - Keeping ratepayer costs low
 - Load changes
 - New generation resources
 - Multiple transmission providers and pancaked rates
 - Sharing hourly, daily, and seasonal diversity across the West

Break – *10:40 – 10:50 (10 minutes)*

- 3. Regulatory Backdrop** – Speaker: Federal Energy Regulatory Commission (FERC) Staff; *10:50 – 12:25 (1 hr 20 minutes presenting, 15 minutes for questions)*
 - FERC – key role and responsibilities
 - Pre-Order 888, Order 888 open access reforms, other orders impacting Open Access Transmission Tariffs (OATT)
 - Functional separation/standards of conduct requirement for FERC jurisdictional transmission providers
 - Ratemaking at FERC
 - FERC jurisdiction
 - Overview of key roles and responsibilities: FERC purview vs. state purview
 - Overlap between state and federal jurisdiction
 - Other regulatory frameworks for Power Marketing Authorities like BPA
 - North American Electric Reliability Corporation (NERC) regulation of reliability standards applicable to “registered entities” like Balancing Authority Areas (BAAs), Transmission Providers (TPs), and others

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- How FERC develops and enforces its reliability standards, and other entities' roles (e.g., NERC, Western Electricity Coordinating Council (WECC)) in developing and enforcing reliability standards

4. Common Transmission Terms and Key Concepts – Speaker: FERC Staff

- High level overview of open access
 - OATT – A basic description, what it covers and central principles
 - Open access is not unduly preferential or discriminatory service
 - First-come, first-served transmission and interconnection service
 - Ancillary services
- What is the Open Access Same-Time Information System (OASIS)?
- What is transmission service, and how does it work?
 - Transmission products: fundamental differences between and responsibilities to OATT transmission customers
 - Requesting transmission service
 - What is available
 - How does it happen
 - What is needed
 - Interconnection service
 - Differences between network and energy resources

Lunch – 12:25 – 1:10 (45 minutes)

5. Individual Regional Transmission Systems – Panel including BPA, PacifiCorp, Portland General Electric, Idaho Power Company; 1:10 – 1:50 (10 minutes each)

- Individual system maps
 - Individual TP systems
 - Interplay
 - Interdependencies
 - Interconnectedness of the systems
 - Who they connect with

6. Wrap Up – Chair Megan Decker; 1:50 – 2:00 (10 minutes)

- Concluding thoughts and next steps