

# 15-Minute Scheduling



# 15-Minute Scheduling: Drivers & Background

- On June 21, 2012, FERC issued the Final VER Order 764 of which a key element is the requirement for Transmission Providers to offer customers the ability to submit 15 minute schedules, or propose a superior alternative
  - FERC specified a policy of scheduling pre-emption
  - FERC originally asked for September, 2013, compliance, but later adjusted to November, 2013
- Benefits of 15-minute transmission scheduling
  - Facilitates integration of renewables
  - Enables NW participation in adjacent markets
  - May reduce balancing reserves requirements over time
- A cross-organizational team assessed the order and 15-minute scheduling within BPA. Key findings included:
  - No superior alternatives were identified for response to Order 764
  - 15-minute scheduling will impact systems and processes across BPA including Transmission Operations, Hydro Operations, commercial and scheduling functions (principally Transmission Scheduling), and billing
  - Changes to some policies and business practices will also be required in order to facilitate 15-minute scheduling

# 15-Minute Scheduling: Description

Main components of 15-Minute Scheduling process:

- Submission of schedules in 15-minute intervals
  - Permits customers to schedule transmission in 15-minute intervals.
  - Reservations remain in hourly or longer granularity. Non-firm reservations are available within the hour.
  - Transmission Customers will be better able to manage Generation Imbalance (GI) and Energy Imbalance (EI) charges.
- Schedule Preemption
  - Consistent with the Tariff and the WECC Order 764 Task force, new and adjusted Firm schedules within the hour will have priority over Non-Firm schedules.

# Cross Project Impacts & Potential Impacts on Customers

## Cross Project Impacts

- 15-Minute Scheduling is not anticipated to impact the identified projects.
- Management of Hourly Firm sales would be a preferred prerequisite as a proactive congestion management tool as more granular scheduling is permitted.

## Potential Impacts on Customers

- Protection of Firm transmission rights
  - Through “schedule preemption,” Firm transmission rights holders will have priority in making Firm schedule changes within the hour.
- Increased Non-Firm Curtailment Risk
  - Through “schedule preemption,” there may be an increased risk of Non-Firm curtailments as a result of 15-minute Firm scheduling activity.
- Increased Ability to Manage EI and GI
  - Through the submission of transmission schedules in 15-minute increments, customers will have an ability to better manage the incurrence of GI and EI charges.
- Integration with the CAISO 15-minute market
  - In the interim between when the CAISO implements a 15-minute market and when BPA offers 15-minute scheduling, “Price Takers” in the CAISO market will be able to make schedule changes under BPA’s existing 30-minute scheduling

# Implementation Timeline & Plan

- BPA is committed to implementing 15-minute scheduling in a responsible and reliable manner
  - Requires changes to processes and automation across BPA. Change management, systems integration and testing, training, and communication are key to successful implementation
- BPA is targeting an implementation range between May 2014 through Fall 2014. BPA is working through issues which may move implementation dates.
  - BPA will not offer 15-minute transmission scheduling in time for November 2013 Order 764 compliance deadline
  - BPA will be communicating with FERC ahead of November 2013
- Supporting timeline rationale
  - Timeline is the result of careful internal planning and coordination
  - BPA Real-Time Transmission Scheduling is implementing an alternate scheduling site in August thru October of 2014 and has asked that systems and processes do not change during that time. 15-Minute Scheduling timeline range includes consideration for the alternate scheduling site implementation.
  - Some internal practices, especially with regards to congestion management and curtailment are being revised for efficiency and clarity. These changes have significant implications for internal process and automation change.
  - BPA is taking additional steps to ensure that existing tools and processes used by Real-Time transmission schedulers, dispatchers, and hydro operators are ready to support 15-minute transmission scheduling

# Next Steps

- Implementation is already underway
- Planned communication paths for implementation status updates:
  - Customer Forums
  - Transmission Policy Messenger
  - Project information to be posted to BPA website
- Further examination and communication regarding any relevant policy changes
- Contact Information
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