Reliability Curtailments for BP14

ACS Forum – March 5, 2013

Pre-Decisional – For Discussion Purposes Only

Goals for Today's Discussion

- Full Service and Reliability Curtailments
  - Background of reliability curtailment discussions
  - Overview of reliability curtailment concepts
  - Goals of the ACS Forum reliability curtailment discussions

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Reliability Curtailment - Background

- Initial Proposal
  - BPA has outlined that the ACS Forum would work on the development of a non-wind only reliability curtailment tool for Full Service
  - The Initial Proposal left a lot of flexibility as to how this tool would be designed
- BOATT Discussions
  - BPA and customers discussed the need for a non-wind only operational tool to maintain reliability during times when scheduling errors exhaust balancing reserves.
  - These tools would be applicable to Full Service, and DSO-216 would remain applicable to Base Service

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Reliability Curtailments - Overview

- Applicability
  - All export schedules that have schedule error would be subject to this tool
  - The tool would be used only if the following occurs:
    - BPA has successfully fulfilled the dynamic reserve requirement for Full Service
    - In operations, BPA has exhausted (or is at risk of exhausting) the full reserve stack and gone through DSO-216 curtailments for Base Service
    - BPA still has an operational reliability risk due to scheduling error
- Design
  - Like DSO-216, this tool should be automated for all subject generators to maximum extent possible
    - The generators with the greatest error would have their schedules curtailed first
    - Once enough schedules have been curtailed to bring BPA back into a reliable operation zone, no more curtailments would be issued.

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Reliability Curtailments – ACS Forum Goals

- Develop the outline a Full Service reliability curtailment tool
- Understand the relationship with existing curtailment tools (i.e. DSO-216)
- Understand the impacts on thermal generators
- Understand seams and regional reliability issues

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