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Description:	By Delphine Hou
Filer:	Patty Paul
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California ISO

Panel 2: Grid Planning Implications from the CAISO perspective

Delphine Hou

Director, California Regulatory Affairs

SB100 Draft Results Workshop

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Observations and recommendations

- The CAISO is a registered Balancing Authority, Planning Authority, and Transmission Operator for 80% of the state of California
- The SB100 Report should ultimately lead to or inform other processes that produce:
 - Actionable resource portfolios to be used in transmission planning to successfully accommodate long lead-time transmission projects and plan for grid reliability
 - Need specificity, locational granularity, cumulative plans, etc.
 - Actionable policy guidance that meets state goals and maintains reliability
 - Answers the “why?” not just the “how?”
 - Actionable procurement guidance and feedback loop with load serving entities
 - Leads to desired procurement

Observations and recommendations (con't)

- Preliminary observations on resources and scenarios
 - Understand that these results are directional but reliability modeling is key
 - Core scenarios seem to be directionally similar with other analyses
 - Appreciate the additional study scenarios
- Next steps
 - Reliability modeling to validate results – 15 percent planning reserve margin alone may not be sufficient; additional capacity retention and replacement costs
 - Coordination and/or sharing of lessons learned with other efforts
 - How do we get from here... to action?
 - Collaboration with Balancing Authorities and CAISO's Transmission Planning Process