Reliability Topics
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Peak Board Meeting

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Topics for Discussion

- Review of Peak’s Interconnection Reliability Operating Limits (IROL) and seasonal impacts
- Short range study process
- Aliso Canyon
- Transient Stability (TSAT) Implementation
**IROLs in Peak’s RC Area**

- **SDGE/CENACE IROL** addresses a voltage stability risk
  - This IROL being reviewed to see if it is needed for winter season given reactive device installation and enhanced phase shifter controls

- **NW Washington Area Import IROL** addresses a voltage stability risk
  - No changes
  - Winter peaking area
IROLs in Peak’s RC Area

- Lugo – Victorville IROL addresses a cascading risk
  - No changes for winter
- Oregon Net Export IROL addresses a voltage stability risk
  - Increased risk with low level of generation in the Northwest for winter
New Cascading Outage Risk

- Northern Nevada cascading risk
  - Extensive studies and collaboration between Peak and NV Energy
  - Operating plan being developed to prevent cascading risk
Short Range Study Process

• Peak has implemented PowerWorld for use in short range study
• Fully operational as of September 24, 2018
  o Benefits include improved automation, efficiencies that reduce time spent, and integration with Operational Planning Analysis dashboard tools
Aliso Canyon Updates

• Similar risks exist from last winter, including
  o Residential heating gets priority over utility generation
  o Gas curtailments could lead to transmission constraints
• Procedures in place
• No significant changes from last year
Transient Stability Operational

- Several contingencies often don’t solve due to size of contingency
  - No solution prevents RAS from triggering
- TSAT will solve and provide awareness of system instability risks
Questions?

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