California ISO

Decision on ISO Planning Standards

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ISO Board of Governors Meeting
General session
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Management is seeking Board of Governors approval of four updates to the ISO Planning Standards

- Established in the ISO tariff to ensure the secure and reliable operation of the ISO controlled grid.
- Complement and expand on North American Energy Reliability Corporation (NERC) and Western Electricity Coordinating Council (WECC) reliability standards but do not replace them:
  - Address specifics not covered in the NERC and WECC standards;
  - Provide interpretations of the NERC and WECC standards specific to the ISO Grid;
  - Address needs specific to the ISO grid that are more stringent than the NERC and WECC standards
- Updates are needed from time to time to address emerging issues and ensure the standards remain current

Updates

- Updating voltage standards applied in transmission planning to reflect the most current information supplied through operating procedures by the participating transmission owners for their facilities
- Clarifying the planning standard limiting how much load should be subject to involuntary load interruption:
  - These standards do NOT apply to single-customer transmission connected loads
  - The intent was to apply these standards only to distribution loads and substations serving distribution loads
  - Individual customer loads seeking connection to the grid should be making their own investment decisions

Updates (continued)

- Adding a documented process to align ISO planning ratings, criteria and limits with the methodology established by the Reliability Coordinator
  - NERC standards now call for this process to be established and documented (NERC FAC-014-3)
- Updating the generation loss criteria to increase the generation connected to a radial system that can be tripped
  - New limit will align with the WECC Resource Loss Protection Criteria limits
  - No changes are being proposed for non-radial system generation loss via a remedial action scheme

The ISO received generally supportive comments and detailed questions throughout the stakeholder process

- Pacific Gas & Electric (PG&E) provided additional updates to the voltage standard
  - These are reflected in the updated ISO Planning Standard
- The Metropolitan Water District of Southern California requested that their voltage criteria be included in the ISO Planning Standards
  - The ISO Planning Standards are only applicable to the ISO controlled facilities and as such the ISO did not include the requested voltage limits
  - Those limits are shared through operating procedures, and are considered in planning activities

ISO Management Recommendation

- Management recommends the Board of Governors approve the updated ISO Planning Standards