Briefing on Summer 2013 Outlook – SONGS Mitigation Planning

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Board of Governors Meeting
General Session
September 13-14, 2012
Meeting CEC forecast demand without SONGS or Huntington Beach presents reliability challenges.

Focus is on non-generation alternatives to mitigate load shed risk for multiple-contingency events

- **#1 South Orange County San Diego**
  - MVAR resource issue
  - Safety Net refinements

- **#2 Barre-Ellis 220 kV**
  - Configuration issue

- **#3 South of Lugo**
  - MW resource issue
The solutions being pursued balance reliability needs without excessive reliance on load-dropping schemes.

1. Convert Huntington Beach 3&4 into synchronous condensers
2. Install capacitors
   - 80 MVAR each at Santiago and Johanna
   - 160 MVAR at Viejo
3. Split Barre-Ellis 220 kV circuits (from 2 to 4 lines)
4. Confirm new resources South of Lugo
   El Segundo and Sentinel in addition to Walnut Creek
5. Refinements to load curtailment safety nets
6. Continue to explore demand response
Short-term efforts are directed toward solutions that are viable over the long-term.

- **Maintain reliability**
  - Address short-term uncertainty in timely manner
  - Enable transition to long-term solution

- **Consider alternatives and changing conditions**
  - Factor in variability of demand and resource availability

- **Consistent with long-term needs**
  - Don’t foreclose future options
  - Consider impacts of once-through cooling resources, voltage support required
Next Steps

Synchronous condensers
- Local Capacity Requirements addendum
- Board of Governors briefing and decision (September)
  - Reliability must-run negotiations
  - FERC consideration

Transmission improvements (Capacitors and Barre-Ellis)
- Reliability needs posted with 2012/2013 transmission plan reliability needs
- Management approval of reliability projects less than $50 million to be considered after September stakeholder session

Additional communication regarding demand side management