

# Briefing on Summer 2013 Outlook – SONGS Mitigation Planning

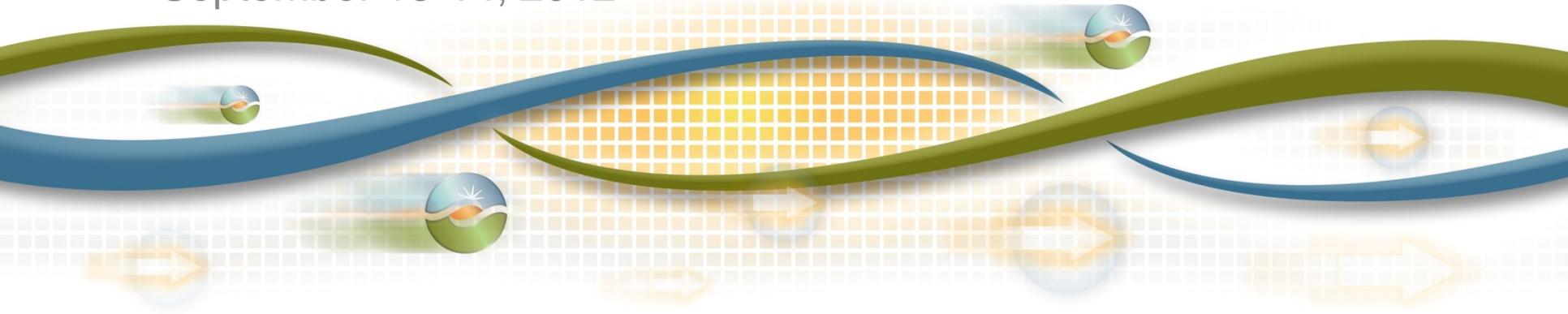
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Board of Governors Meeting

General Session

September 13-14, 2012



# Meeting CEC forecast demand without SONGS or Huntington Beach presents reliability challenges.

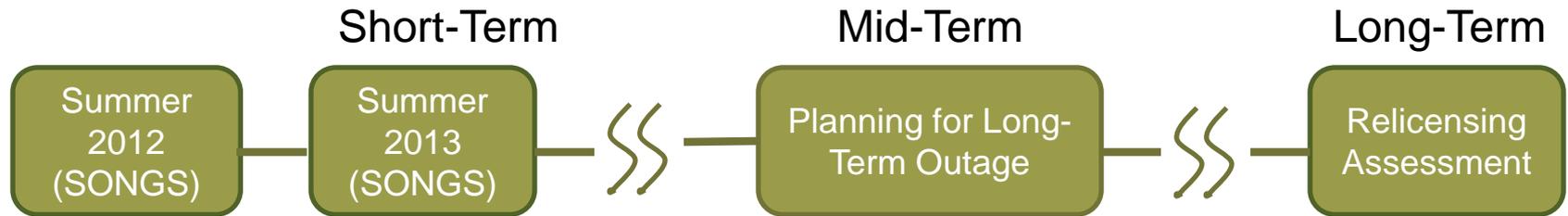
Focus is on non-generation alternatives to mitigate load shed risk for multiple-contingency events



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