



# Briefing on Once-Through Cooling (OTC)

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# The draft OTC Policy issued in March 2008 by the Water Board affects 38% of the installed generation in California.

- 19 coastal and estuarine power plants using OTC technology
  - 16 in ISO Balancing Authority Area (BAA)
  - Three in LADWP BAA
- 13 in ISO transmission-constrained areas
- Two nuclear plants



# Background

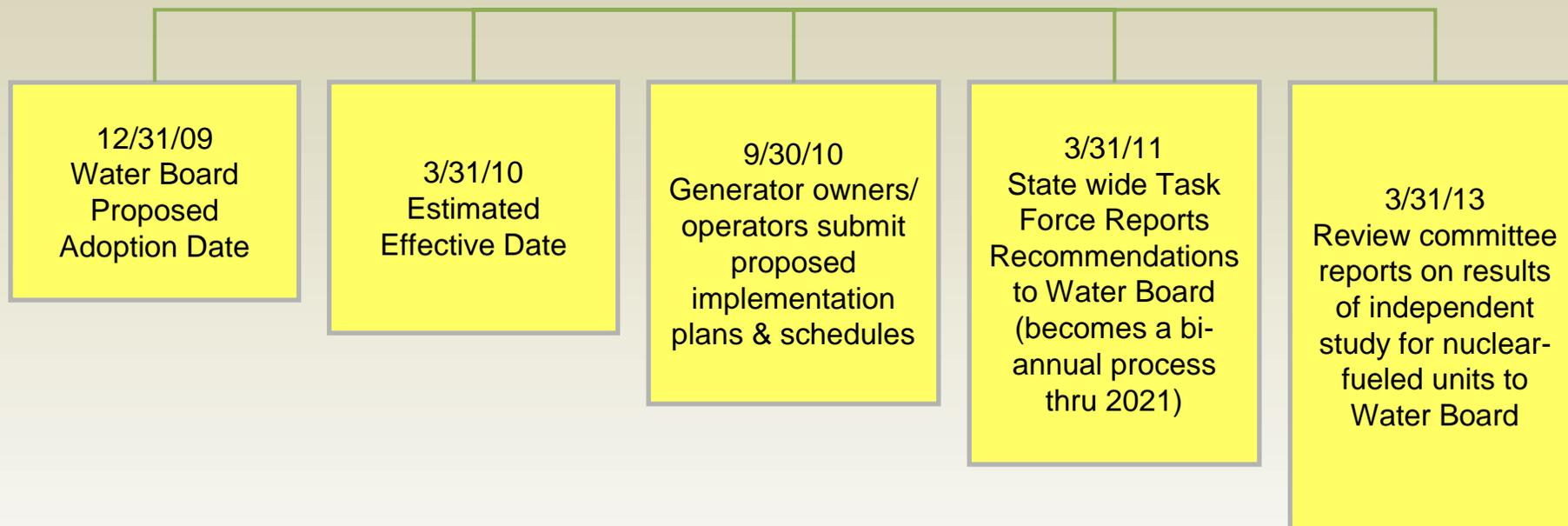
- Federal *Clean Water Act* of 1972, Section 316 (b)
- Water Board issued draft OTC policy in March 2008
- ISO management submitted comments in May 2008
  - Implementation must ensure reliability of electric grid
  - System and local reliability impacts
  - Renewable integration impacts
  - Timing and flexibility

# CEC/CPUC/ISO submitted joint recommendations to the Water Board on May 19, 2009

- Regional analyses versus fixed compliance schedule
- Identification of replacement infrastructure needs
- ISO analyses inform:
  - CPUC procurement process
  - ISO transmission planning process
- Biannual reliability review of implementation plans

Final compliance will likely be a combination of generation and transmission solutions.

# The Water Board incorporated the CEC/CPUC/ISO recommendations into its June 30, 2009 draft policy.



- Nuclear-fueled units are treated differently
- Costs are taken into account for efficient fossil-fueled plants and nuclear-fueled units
- Regional distinctions

Management will continue to be involved throughout the process.

- Written comments
- CEC workshop on July 28
- Public hearing on September 16
- Statewide task force and nuclear study review committee