Workshop on the Water-Energy Nexus: Next Steps in Southern California

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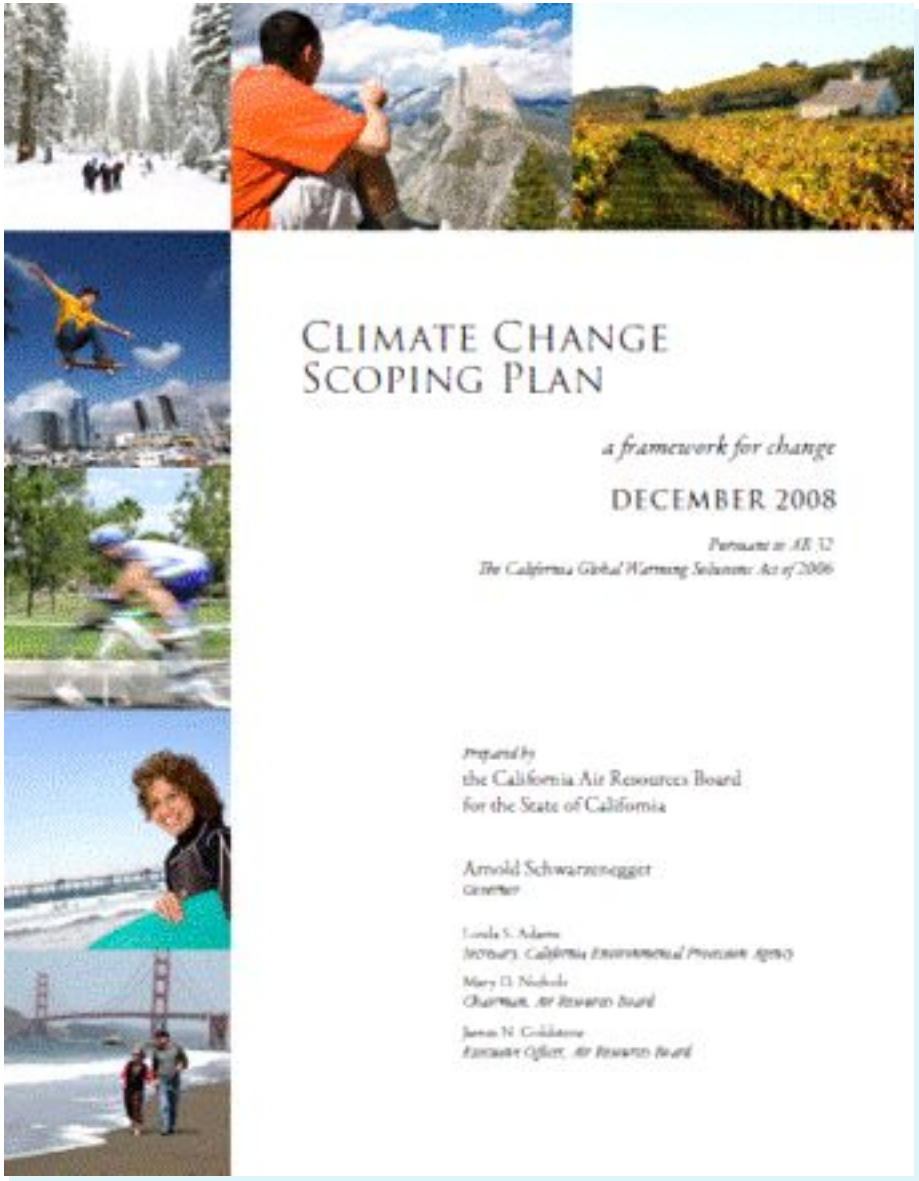
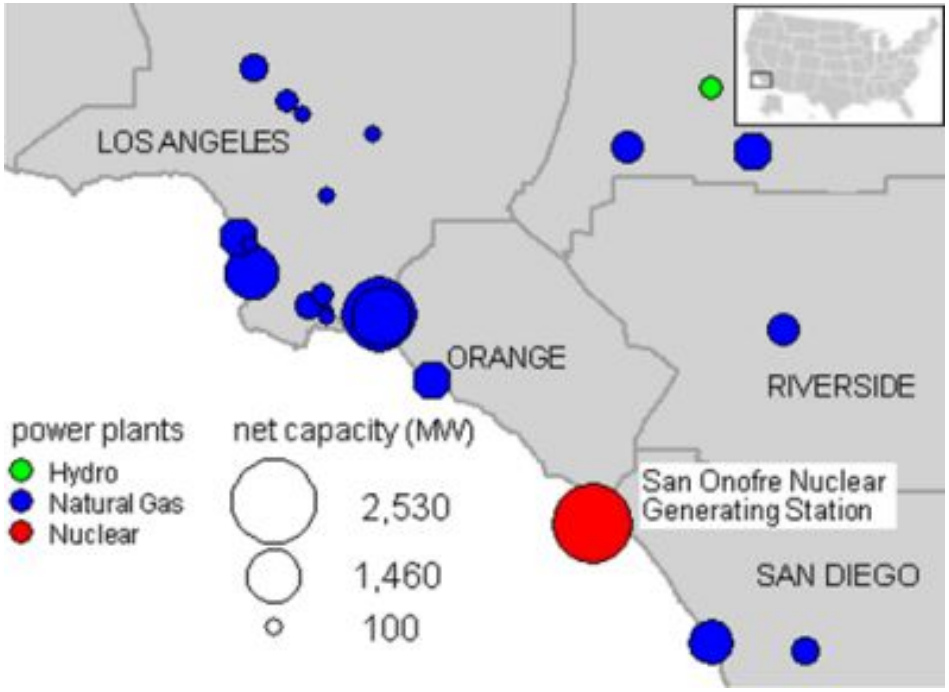
Governor's Climate Initiatives

- AB 32
- 33% Renewables by 2020
- 12,000 MW Distributed Generation
- Clean Cars & Electric Vehicles
- Energy Efficiency

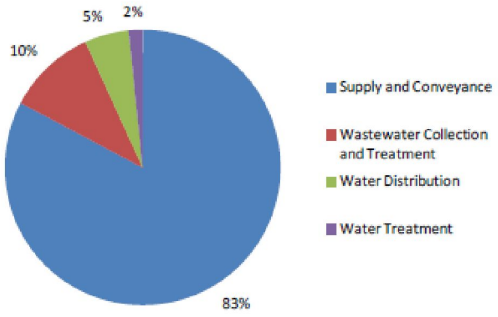


SONGS Outage:
Challenge & Opportunity



Efficiency Potential on Both Sides of the Meter

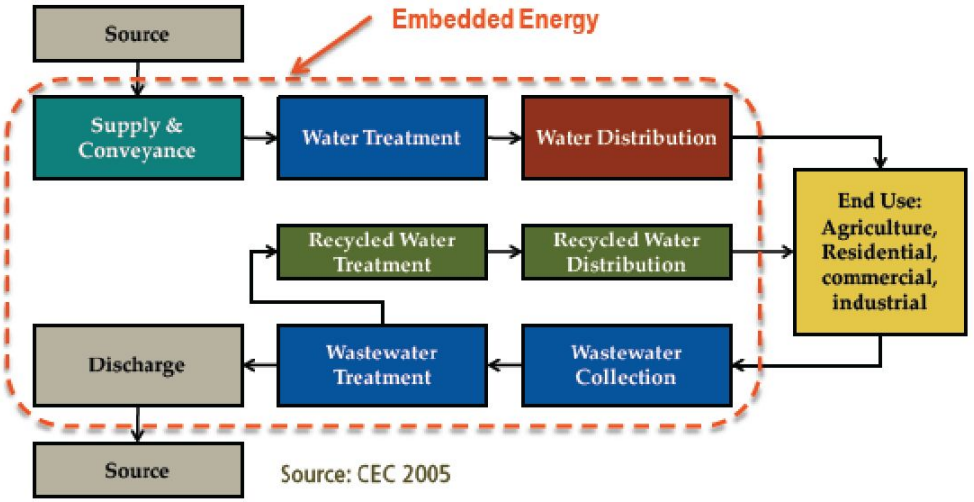
Figure 3. Annual Water-Related Electric Consumption by Segment of the Water Use Cycle[27]



The Supply and Conveyance segment of the water use cycle accounts for 83% of the water sector's total

27 CPUC Study 1, Appendix N.

Figure 1. The Water Use Cycle



Source: CEC 2005

Energy embedded in water is the sum of energy input into water along the various segments of the water use cycle, from point of collection or production, to point of use, and from point of use to ultimate disposal back into the system (post-treatment).

Near Term Opportunities and Aspirational Goals