

# **Proposed Resolution** **Comprehensive Response to** **Climate Change**

Office of Research, Planning, and Performance

March 7, 2017 – Item 7



# Framework

- Who: *State Board Staff*
- What: *Mitigation and Adaptation*
- When: *Near-Term Actions*
- Where: *Plans, Policies, Permits*
- Why: *Leadership, Transparency, Accountability*
- How: *Using Existing Authorities and Through Coordination and Collaboration*



# Process and Outreach

- Input from staff at State and Regional Boards
  - Executive management committee reviews
- Informal stakeholder calls
- State and federal agency recommendations
- Formal public comment period





# Reduce greenhouse gas emissions



- Methane capture
- Water conservation and efficiency
- Recycled water
- Storm Water
- Energy efficiency and renewable energy

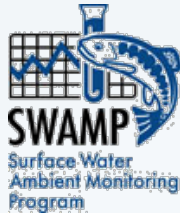
California Environmental Protection Agency  
 Air Resources Board



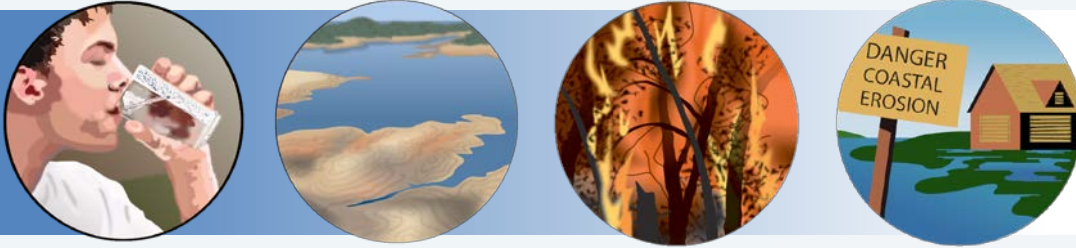
# Improve Ecosystem Resilience



- Protect headwaters, facilitate restoration
- Carbon sequestration, support healthy soils
- Climate stressors in ecosystem assessments
- Restore and enhance the Delta
- Support resilient ocean and coastal ecosystems



# Respond to Climate Change Impacts



- Protect vulnerable drinking water systems
- Develop water resources, and expand storage
- Support resilience in recovery efforts
- Water and wastewater infrastructure vulnerability
- Coastal infrastructure and ecosystems



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# Rely on Sound Modeling and Analyses

- Office of Information Management and Analysis (OIMA)
  - Collaborate, and assist Water Boards with climate change resources developed by DWR and CEC



- Division of Water Rights
  - Evaluate changes needed to account for climate change impacts in water availability, and shortage analyses





# Provide Funding and Outreach

- Incorporate mitigation and adaptation in State Revolving Funds
- Develop and Provide Multi-Lingual Educational Material and Information about Financial and Technical Assistance



# Comments Received

- Data & Research [http://www.waterboards.ca.gov/board\\_info/agendas/2017/mar/comments\\_item7/](http://www.waterboards.ca.gov/board_info/agendas/2017/mar/comments_item7/)
- Water-Energy Calculator
- “Loading Order”
- Financial & Technical Assistance
- Expand Findings
- Stakeholder Engagement
- Environmental Justice



# Response to Comments

- Modified Findings
  - Water-Energy Nexus
  - Groundwater
  - Human Right to Water
- “Loading Order” Not Included
- Included Options Apart from CPUC Water-Energy Calculator



# Response to Comments

- More Specifics on Interagency Collaboration
- Include Findings from West Coast Ocean Acidification and Hypoxia Science Panel
- Support Local Agency Climate Change Communications
- Commitment to Assisting Water Systems with Under 15 Connections Where Feasible



# Response to Comments

- Stakeholder Engagement and Transparency
- Consultation with Scientific Experts and Peer Review
- Funding Priorities
- Delta and Flow Standards
- Sea Level Rise Projections



# Our Collective Challenge

“In the end we will conserve only what we love.  
We will love only what we understand. We will  
understand only what we are taught.”

- Baba Dioum

