

# 2012 Water Plan Plenary Recap of Day 1

UPDATE 2013  
CALIFORNIA WATER

**PLENARY**

SEPT. 12-13, 2012

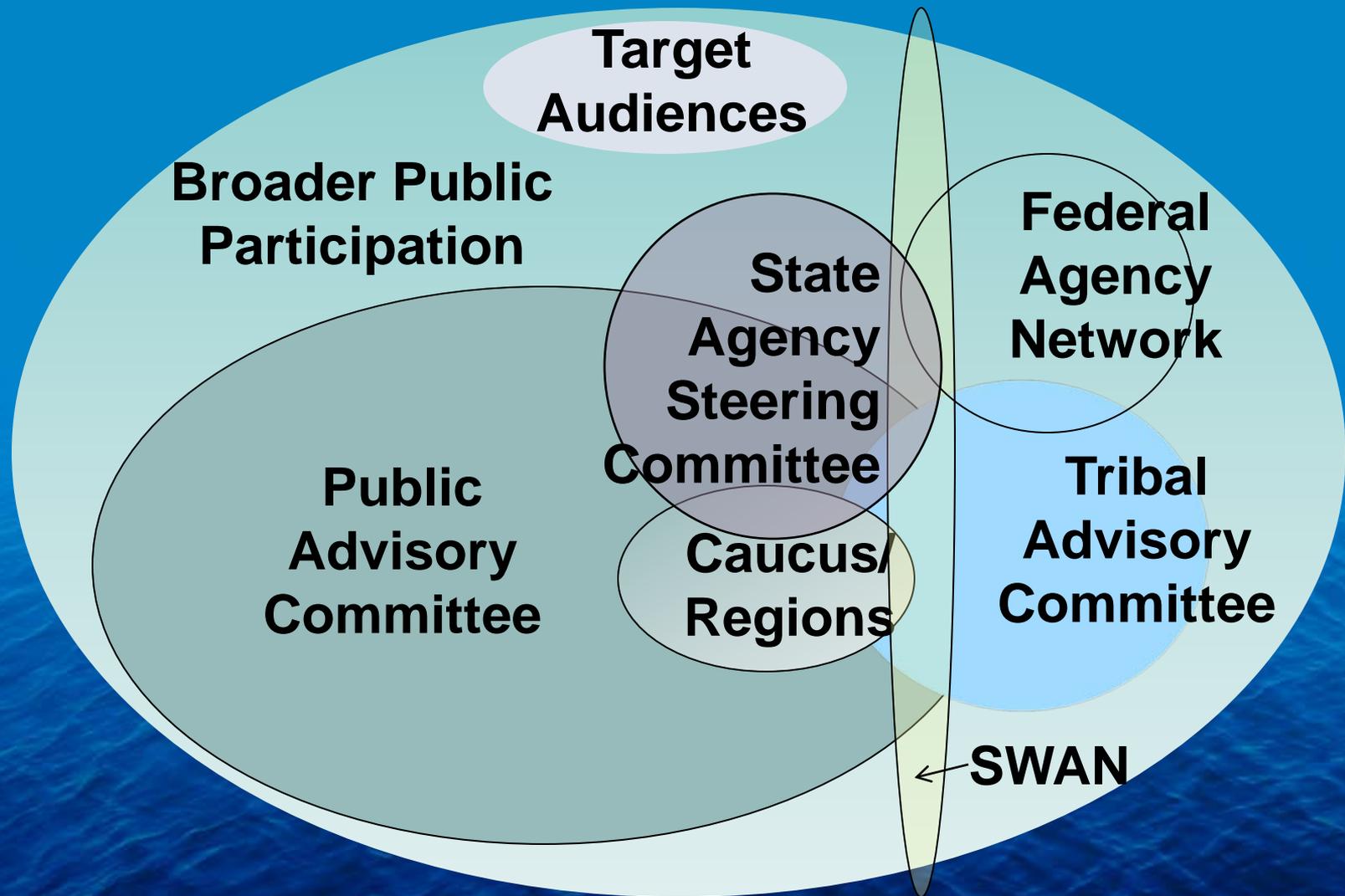
## **2012 PRELIMINARY PROGRAM\***

Doubletree Hotel, 2001 Point West Way, Sac., CA, 95815



**DAY 1—REGISTRATION BEGINS AT 8:00 AM**

# 2012 Plenary Integrates Collaboration Venues...



# Since our last Plenary..... **67 Meetings** **in 11 Months**

## **Outreach and Collaboration**

- ❑ **Five (5)** State Agency Steering Committee Meetings
- ❑ **Seven (7)** Public AC Meetings
- ❑ **Nine (9)** Tribal AC Meetings
- ❑ **Three (3)** Graphics Workshops
  - ❑ Groundwater
  - ❑ Resource Management Strategies
  - ❑ Regional Reports
- ❑ **Eighteen (18)** Caucus Meetings
  - ❑ Land Use (Three meetings)
  - ❑ Flood (Four meetings)
  - ❑ Groundwater(Three meetings)
  - ❑ Finance (Four meetings)
  - ❑ Water Quality (Two meetings)
  - ❑ DAC/EJ Caucus
  - ❑ Water Technology
- ❑ **Nine (9)** Regional Forums
  - ❑ Sacramento River
  - ❑ San Joaquin River
  - ❑ Central Coast
  - ❑ South Coast
  - ❑ Tulare Lake
  - ❑ Mountain Counties Overlay
  - ❑ San Francisco Bay
  - ❑ Colorado River
  - ❑ South Lahontan
- ❑ **Sixteen (16)** Workshops
  - ❑ Ag Water Use Efficiency
  - ❑ Salt and Salinity
  - ❑ Urban Water Use Efficiency
  - ❑ Sediment Management
  - ❑ Outreach and Education
  - ❑ SWAN



# Scoping Near Coastal Resources

**Purpose: How can the Water Plan leverage the Ocean Protection Council's Strategic Plan framework for the new Near Coastal enhancement?**

- **Session Format:**

- **Cat Kuhlman, OPC Executive Director, presented an overview of the OPC Strategic Plan**
- **Discussed five focus areas for incorporated into the Water Plan:**
  - **Science-based decision making**
  - **Climate change**
  - **Sustainable fisheries and marine ecosystems**
  - **Land-based impacts on coastal**
  - **Existing and emerging ocean uses**

# Background and Scope of Finance Planning Framework

## Session Content

- Purpose and Applications of Finance Framework
- Content and Flow of Information
- Draft Framework Narrative
- Scope of IWM
- IWM Activities Categories

Finance Planning Framework (Showing August 24, 2012)

...to building the Update 2013 financing planning framework into Volume 1 of Update 2013. Water Plan finance sessions ... for purpose and general idea of each section. It will not necessarily appear in the chapter. The text below each heading is instructional text to ... appear in the chapter.

... the likelihood of probability that each respective section of the finance planning framework will be completed for Update 2013. Sections that are not completed for Update 2013 ... for Update 2013. The definition of "completed" involves three primary considerations: (1) a method or process is in place for producing desired deliverables (including ... , data collection capability, etc.); (2) analytical tools required to produce desired trade-off analysis are in place; (3) some level of stakeholder agreement occurs. An operational definition ... that all three dimensions converge to support findings and recommendations with reasonable levels of uncertainty. Green = Higher Probability of Completion for Update 2013; Yellow = Moderate ... Lower Probability.

| Chapter 1 - Introduction   | Chapter 2 - CA Water Today   | Chapter 3 - Imperative to Invest (in Innovation and Infrastructure)   | Chapter 4 - State and Federal Companion Plan  |
|--|--|---|---|
| <p><b>Plenary Finance Session 1</b><br/><i>Framework Background and Scope of IWM</i></p> <p><b>Definition and Scope of Integrated Water Management: Finance Planning Framework</b></p> <p>This section will describe:</p> <ol style="list-style-type: none"> <li>(1) The definition and scope of integrated water management (IWM).</li> <li>(2) How many policymakers and stakeholders have expressed a need for an IWM finance planning effort.</li> <li>(3) How California is expected to face significant challenges surrounding IWM financing due to the near full allocation of existing bond funds, protected recession, deferred investment, etc.</li> </ol> <p>The intended applications of the finance planning framework.</p> <p><b>KEY MESSAGE</b> - Emphasis on the value of the framework and other future IWM finance efforts (e.g. working through the layers of issues requested to get to IWM finding and implementation).</p> <p>The Finance Plan storyboard will be developed as a result of the framework's development and implementation of the finance planning framework.</p> | <p><b>Plenary Finance Session 2</b><br/><i>Follow the Money</i></p> <p><b>Resource Management Funding History</b></p> <p>This section will provide a description of historical federal, state, and local IWM investments as context for planning future state IWM investment. It will also include a variety of data and information to provide a full understanding of how current conditions have evolved to be (e.g. debt levels, funding sources, administrative constraints, etc.).</p> <p><b>State, Local and Federal Government IWM Spending Summary</b></p> <p>This subsection contains a generalized characterization of State IWM spending from fiscal years 2000/2001 through 2011/2012 using the categories developed in storyboard component 2 (e.g. innovation and infrastructure). To the extent possible, it will also include similar data for local and federal spending. Contextual messages will be articulated as necessary to help provide a full enough understanding to make informed decisions.</p> | <p><b>Plenary Finance Session 3</b><br/><i>Consequences of little to no future investment</i></p> <p><b>Cost of Limited or Forgone Investment</b></p> <p>This section will convey a sense of urgency to implement Update 2013 recommendations. It includes a description of the implications of very limited investment in IWM (e.g. that may not even begin to implement activities that are considered critical or high-priority). Implications or resulting conditions can be expressed in terms of environmental, economic, and social effects of deferred implementation; forgone opportunities or benefits; and other unfavorable consequences.</p> | <p><b>Existing Finance Strategies</b></p> <p>This section will provide a narrative regarding the disintegrated, countering and complex nature of current State IWM financing as observed while synthesizing and integrating companion plans.</p> <p>It will also describe incidental water-related benefits occurring as a result from various programs where water management is not the primary objective (e.g. land management, pesticide research, etc.).</p> |

← Description and Clarification of the Role of State Government in the Plenary Finance Session

**Key Message: IWM finance innovation is much more complex than prioritizing what gets funded and by what mechanism**

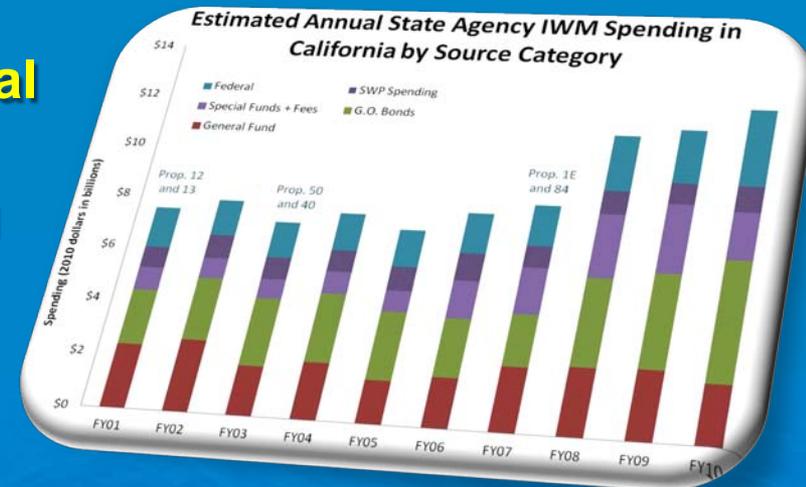
## Key Audience Input

- Generally agreed on Finance Framework approach (storyboard) as path forward
- Refinements to IWM benefit descriptions
- Importance of optimizing existing funding programs

# Follow the Money: History of Resource Management Funding

## Session Content

- **Characterization of Long-Term Historical Spending (1850 - current)**
- **Federal, State and Local IWM Spending**
- **Critical Context for Spending Data**
- **Key Messages Derived from Data**



## Key Audience Input

- **Historical IWM spending data can inform future decisions**
- **Data methodologies, limitations, and caveats should be explicit**
- **Be sensitive to how data is displayed and messaged**
- **Include a description of the value of assets and services**
- **Audience recommended additional data and key messages**

# Water Technology Session

- **Discussed California Water Plan Water Technology Caucus deliverables, and the related work of the California Council on Science and Technology (CCST)**
- **Overview of the CCST Water Technology Survey**
  - <http://ccst.us/projects/survey-E.php>
- **Participants presented case studies highlighting technical innovation in the water arena**
  - **GRACE Satellite Program**
  - **Gates Foundation grant for Caltech toilet design**
  - **Water Use Efficiency in California Agriculture**
  - **Membrane Technology Innovations**
  - **California's Water – Energy Nexus**

# **Economic Value of Ecosystem Services Session**

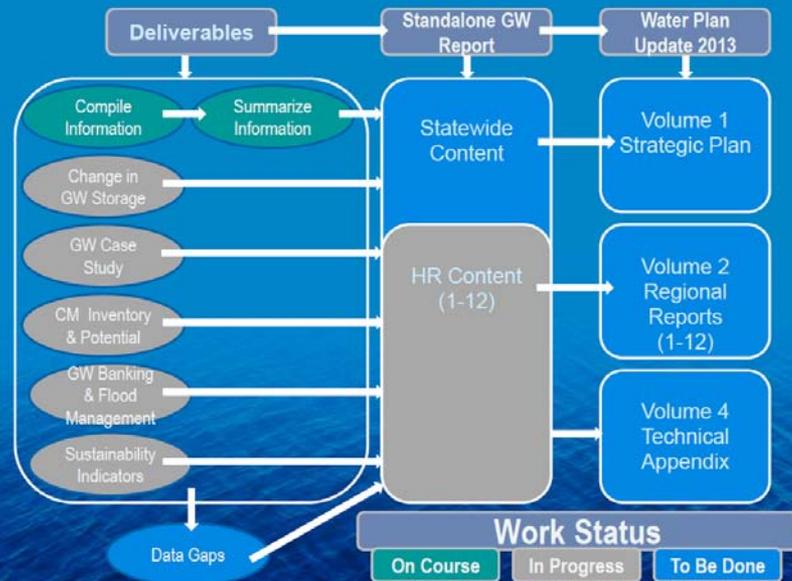
- **Follow up to luncheon speaker Mark Nechodom, Director, California Department of Conservation**
- **Featured 3 panel discussions on selected projects, Audience Q&A**
  - **Integrated Management of Fire, Water, and Floods: Santa Ana and Mokelumne**
  - **Mountain Meadow Improvements**
  - **Carbon Capture in the Delta**

# Groundwater

## Groundwater Data

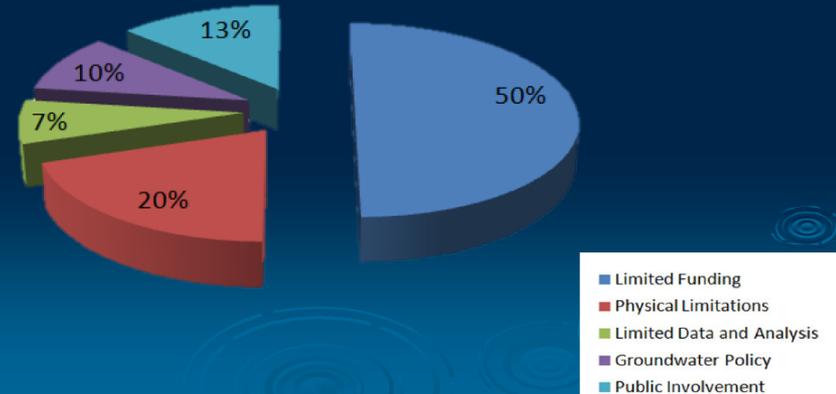
## Change in GW Storage

## Conjunctive Mgmt. and Groundwater Banking



### What are the Challenges?

### Factors Limiting the Successful Development of Sustainable Groundwater Management

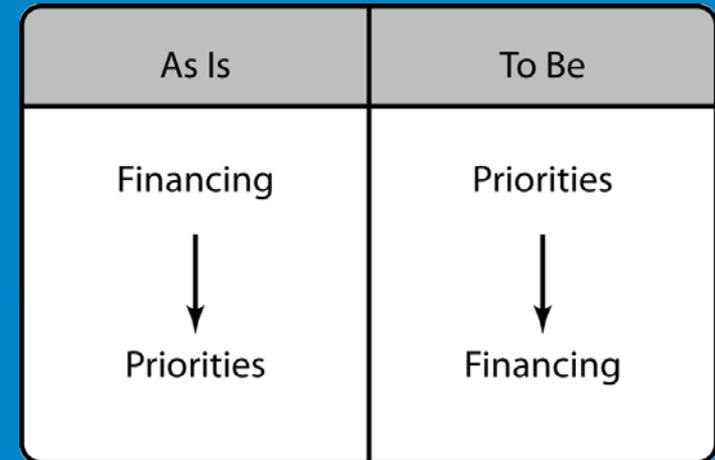


# New Resource Management Strategies

- **Outreach and Education**
- **Water Dependent Recreation**
- **Culture and Water**

# Integrated Water Management

- **Plenary Speaker - Gary Bardini, Deputy Director, DWR described the Role of Integrated Water Management**



- **Moderated Poster Session on Integrated Water Management and DWR's programs to deliver it.**