

California **Water Plan** Highlights

California Water Plan Update 2013

INTEGRATED WATER MANAGEMENT



Update 2009 • Department of Water Resources

California Water
Commission
November 20, 2013

CALIFORNIA

WATER PLAN

UPDATE 2013

REVIEWER'S GUIDE

We are pleased to release the **Public Review Draft (PRD) of California Water Plan Update 2013 (Update 2013)** for your review and comment according to this schedule. The content reflects input received from extensive collaboration with hundreds of stakeholders and dozens of State agencies.

Volume	Release Date	Comment Deadline
1. The Strategic Plan	October 2, 2013	November 18, 2013
3. 30 Resource Management Strategies	October 16, 2013	December 2, 2013
2. 12 Regional Reports	October 23, 2013	December 9, 2013

You may access and download the volume chapters in PDF format by using the Web link below. There are three options for sending us your comments — e-mail, fax, or postal mail. An Update 2013 navigation guide is also available to help expedite your review.

- **Public Review Draft Web page:**
<http://www.waterplan.water.ca.gov/cwpu2013/prd>
- **Navigating Update 2013 guide:**
<http://www.waterplan.water.ca.gov/docs/cwpu2013/2013-prd/NavigationGuide-2013PRD.pdf>
- **Need this publication in an alternate form?**
Contact the Public Affairs Office at 1-800-272-8869.

Three Ways to Send Comments:
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Water Plan Update Organization

California **Water Plan**
Update 2009

INTEGRATED WATER MANAGEMENT



Bulletin 160-09 • Department of Water Resources

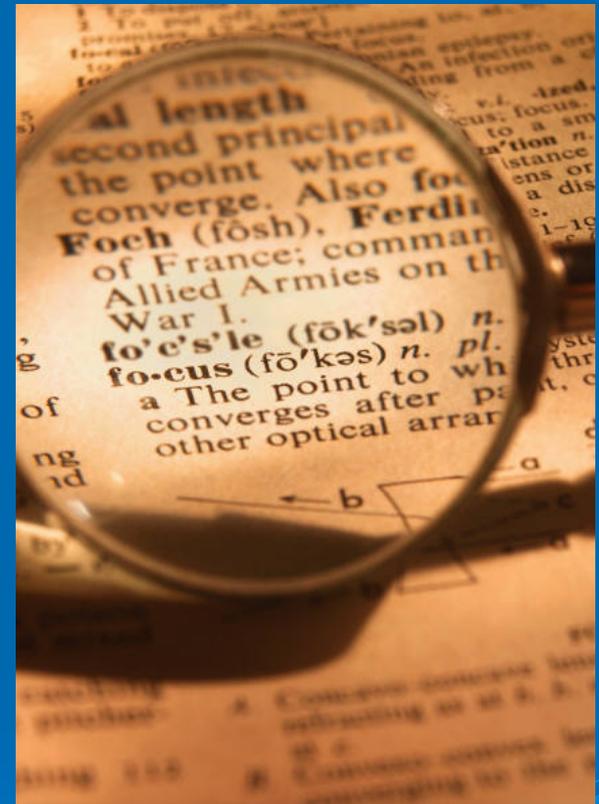
Volume
The Strategic Plan

1

- Water Plan Highlights Booklet
- **Vol. 1 > The Strategic Plan**
- Vol. 2 > 12 Regional Reports
- **Vol. 3 > 30 Resource Management Strategies**
- Vol. 4 > Reference Guide
- **Vol. 5 > Technical Guide (Online documentation)**

Update 2013 Topic Caucuses & Focus Areas

- Water Finance Planning
- Groundwater
- Water Quality
- Land Use Planning & Water
- Integrated Flood Management
- Water Technology & Science
- Sustainability Indicators Framework
- DAC / EJ / Californians w/o Safe Water & Sanitation



Three Themes

California Water Plan Update 2013

Themes of 2013 California Water Plan

Integrated water management provides a set of principles and practices that include government agency alignment through open and transparent planning process. This leads to stakeholder and decision-maker support for investment ... in innovation and infrastructure.

Integrated Water Management

System flexibility and resiliency
Advocacy from implementers and financiers
Delivery of benefits using fewer resources

Government Agency Alignment

Clarification of state roles
Reduction in implementation time and costs
Efficient achievement of multiple objectives

Investment in Innovation and Infrastructure

Stable and strategic funding
Priority-driven funding decisions
Equitable and innovative finance strategies

Integrated Regional Water Management

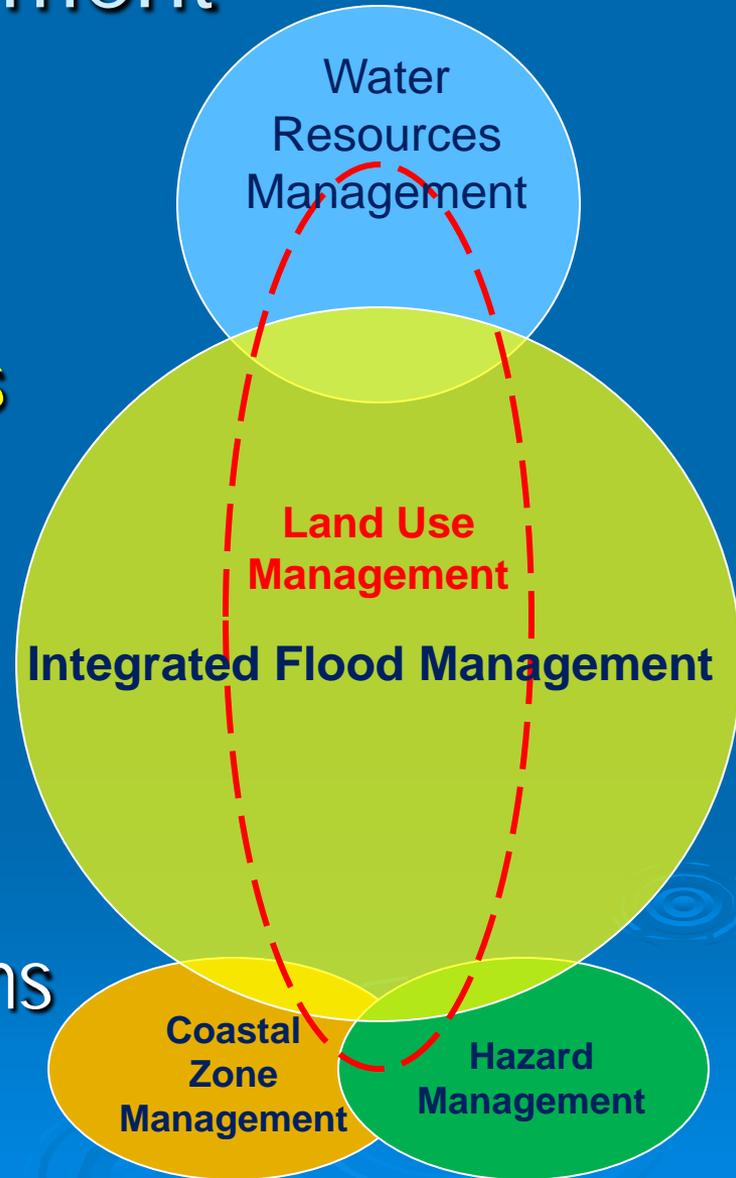
48 Regional Water Mgmt Groups



- Foster partnerships & promote regional solutions
- Diversify water portfolios & integrate supplies
- Leverage economies of scale to reduce costs
- Integrate data, tools & resources
- Invest in multi-benefit projects with sustainable outcomes
- Increase regional self-reliance

Integrated Flood Management

- Comprehensive approach to flood management
- Considers land & water resources at watershed scale
- Minimizes loss of life and property damage from flooding
- Maximizes benefits of floodplains
- Recognizes benefits to ecosystems from periodic floods



Improving Coordination Land Use Planning & Water Management



- Land use planning controlled locally
- Water management decentralized -- over 2,300 counties, cities, public agencies, and private water companies
- IRWM coordinates land use planning with water supply, quality, flood management, and climate adaptation
- State Government provides technical assistance and financial incentives
- More coordination among State agencies & with IRWM Partnerships

30 Resource Management Strategies

A Range of Choices

Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

Improve Operational Efficiency & Transfers

- Conveyance – Delta
- Conveyance – Regional / Local
- System Reoperation
- Water Transfers

Increase Water Supply

- Conjunctive Management & Groundwater Storage
- Desalination – Brackish & Seawater
- Precipitation Enhancement
- Recycled Municipal Water
- Surface Storage – CALFED
- Surface Storage – Regional / Local

Improve Flood Management

- Flood Risk Management

Improve Water Quality

- Drinking Water Treatment & Distribution
- Groundwater / Aquifer Remediation
- Matching Quality to Use
- Pollution Prevention
- Salt & Salinity Management
- Urban Runoff Management

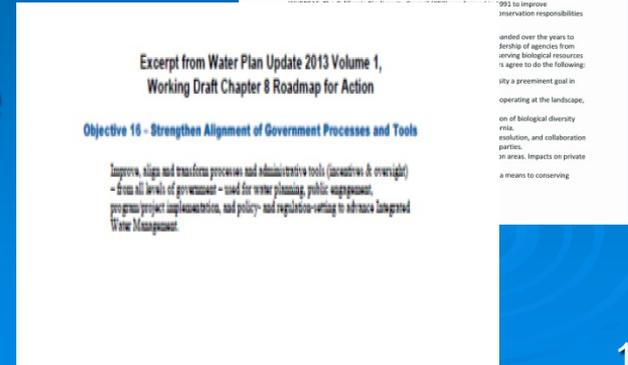
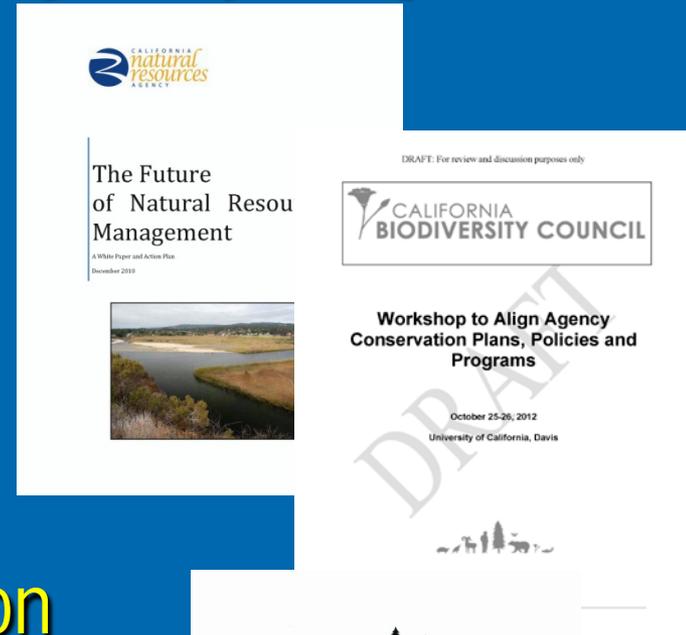
Practice Resource Stewardship

- Agricultural Lands Stewardship
- Economic Incentives
(Loans, Grants & Water Pricing)
- Ecosystem Restoration
- Forest Management
- Land Use Planning & Management
- Recharge Areas Protection
- Water-Dependent Recreation
- Watershed Management

New – Education & Outreach
Sediment Management
Water & Culture

Taking Steps To Strengthen Agency Alignment

- **Oct 2010 IRM Summit**
 - Challenges, approach & rec'ds
- **Oct 2012 CBC IRM Workshop**
 - Challenges & lessons learned
 - Alternative strategies & tools
- **Feb 2013 CBC Alignment Resolution**
 - Vision, goals & guiding principles
 - Practices, tools & organization
 - Interagency Alignment Team
- **Update 2013 Alignment Objective**
 - Related actions



3 I's - Invest in Innovation & Infrastructure

California State Government in partnership with others should invest in water innovation & infrastructure to support integrated water management and sustainable outcomes

➤ Innovation actions

- Governance improvements
- Planning & public engagement improvements
- Agency alignment (data, plans, policies & regulations)
- Information technology (data & tools)
- Water technology & science

➤ Infrastructure improvements -- natural (green) & human (grey)

- Regional projects
- Inter-regional projects
- Statewide systems

➤ State Investments - Finance Plan

- Stable funding for innovation actions & statewide systems
- Seed money to incentivize regional infrastructure improvements ¹¹



Finance Planning Framework

- A common approach, language, and understanding of IWM investments & finance planning
- Finance-related data & issues impeding IWM projects
- Suite of IWM finance mechanisms & revenue sources for reliable funding
- Shared values to guide State government investment prioritization
- State government obligations, commitments & role of public financing
- Attributes to frame future water finance deliberations

Figure 7-3 Recent Trends in Local, State, and Federal IWM Expenditures (in millions) 1995-2010

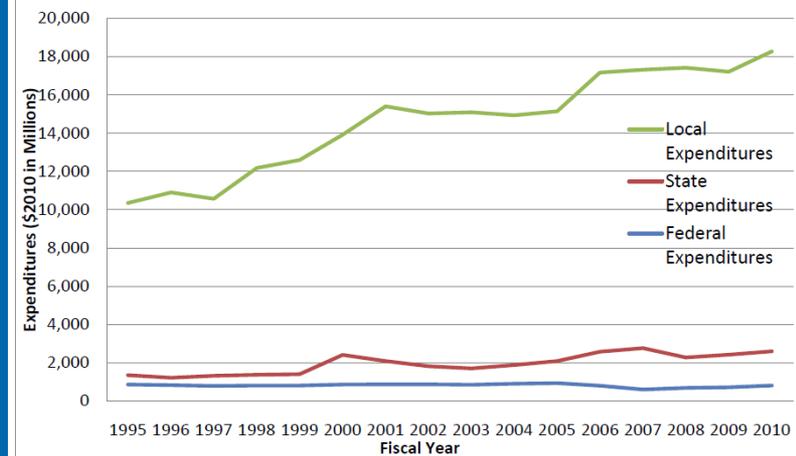
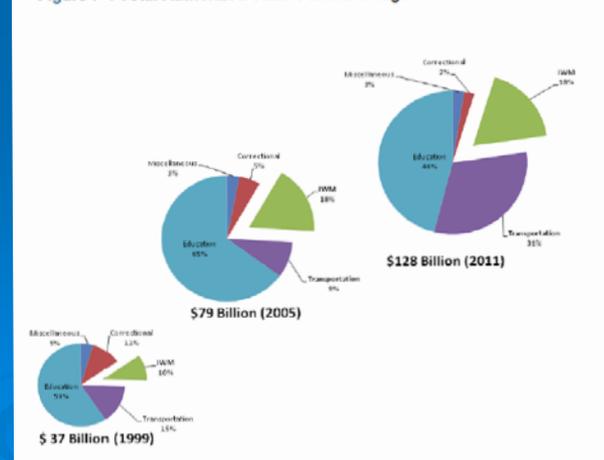


Figure 7-4 Total Authorized State General Obligation Bonds in California



Roadmap for Action at a Glance

➤ Desired future for CA water & Purpose of Water Plan

Vision & Mission

➤ Desired outcomes for the 2050 planning horizon

7 Goals

➤ Core values & philosophies

10 Guiding Principles

➤ Statements of intent / Focus on what & when

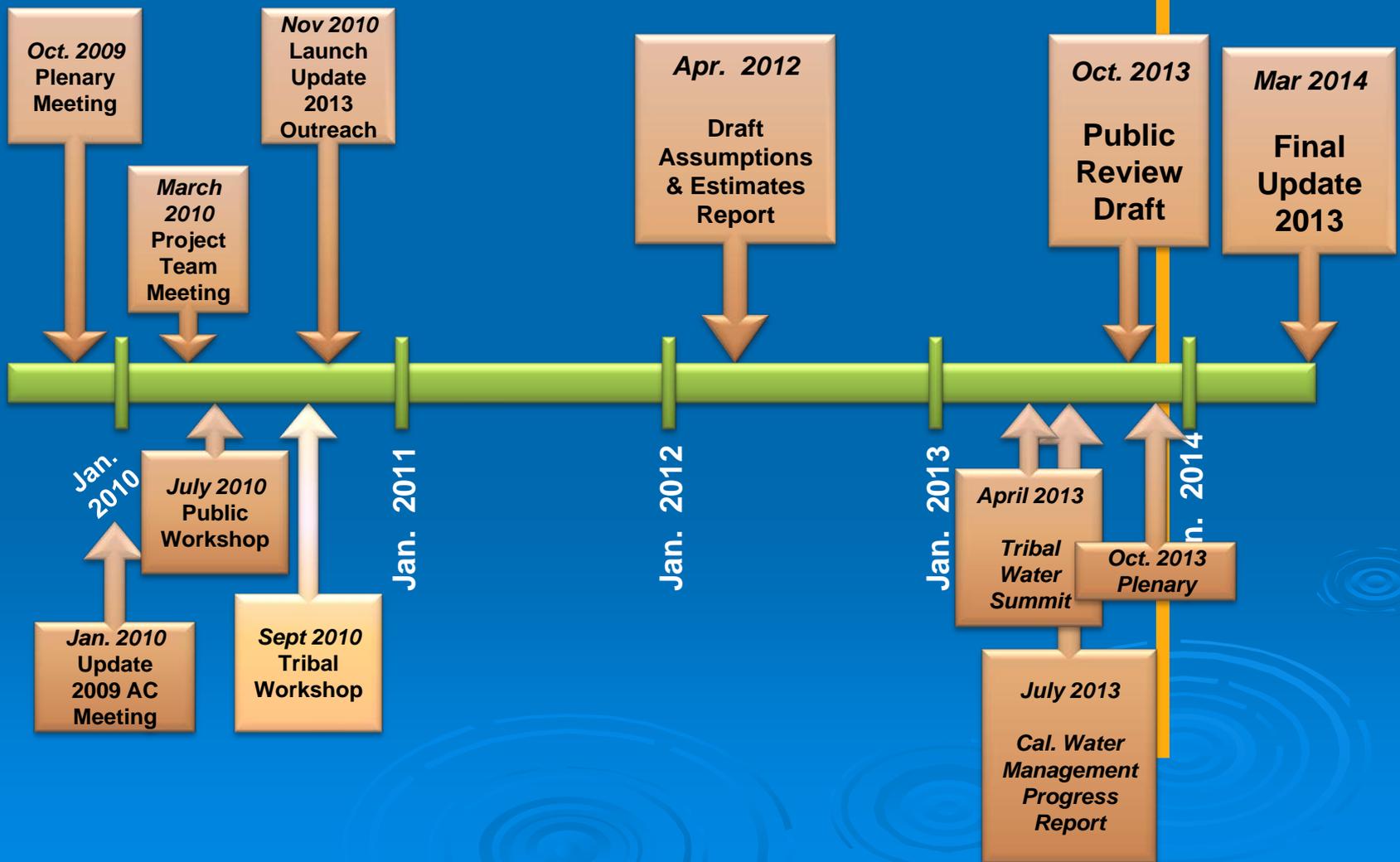
17 Objectives & 350+ Actions

➤ Removing impediments & leveraging opportunities

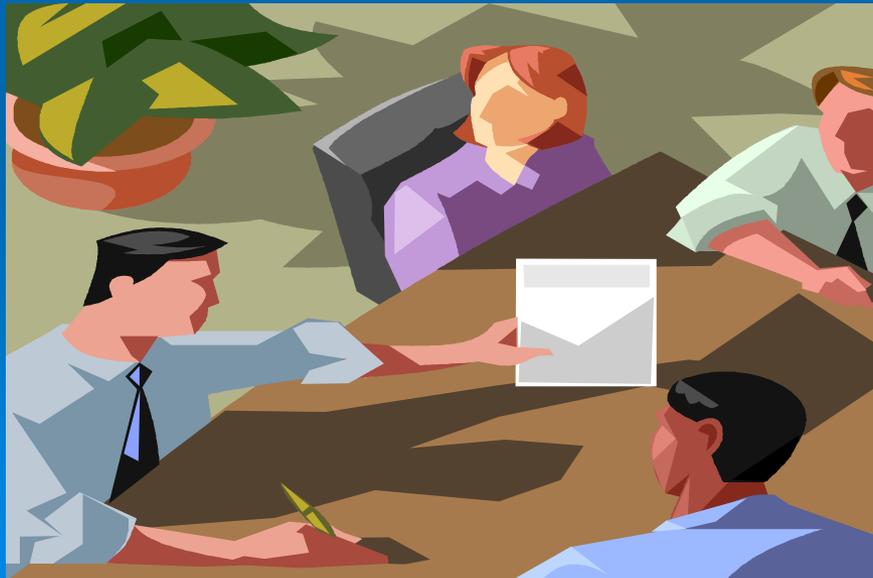
30 Resource Mgmt Strategies

Water Plan Update 2013 Journey

We Are Here



Questions & Comments



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