

# California Water Plan Update 2009



## Water Plan & Related Activities

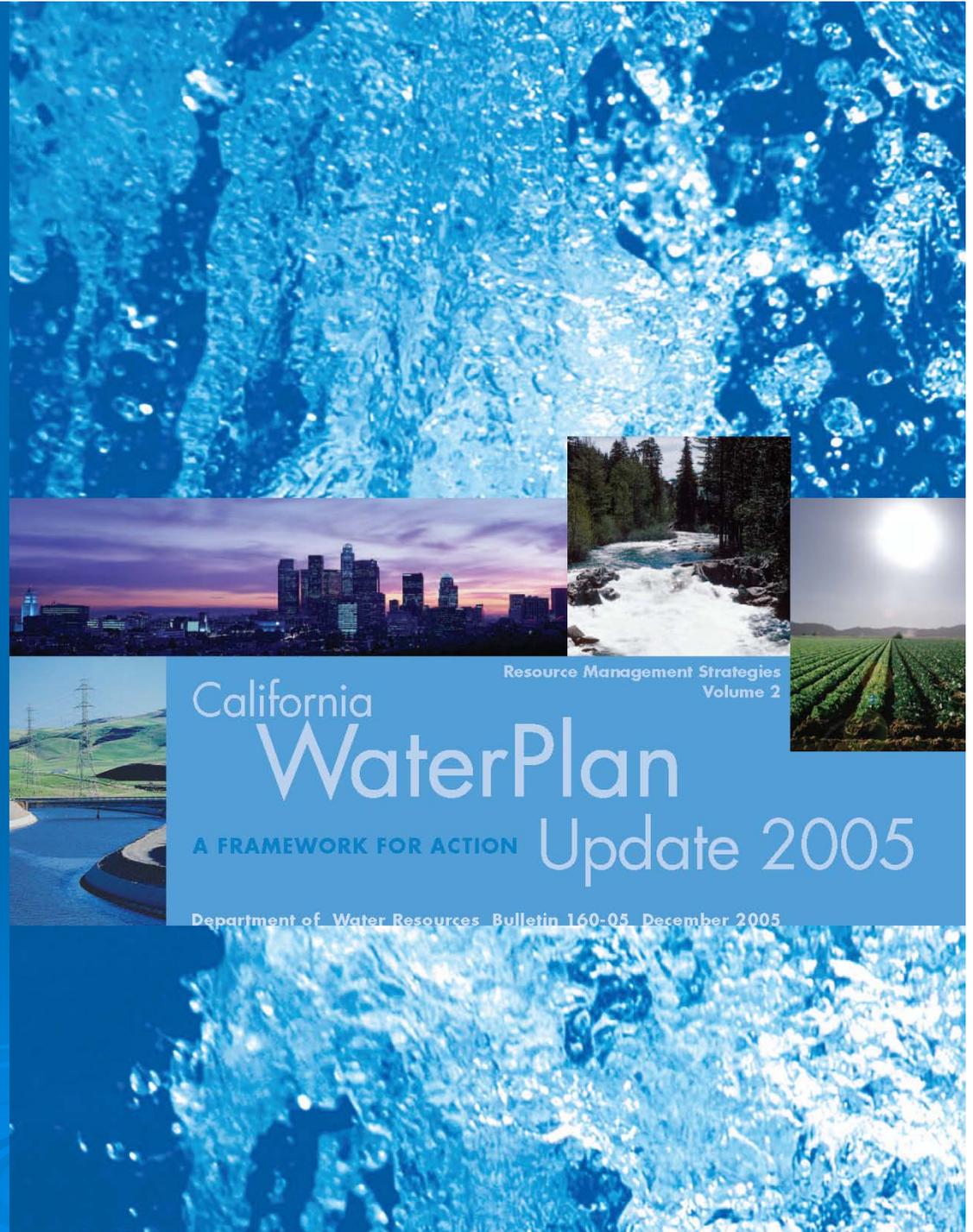


## Pre-Admin Draft Preview



## Strategic Plan Elements

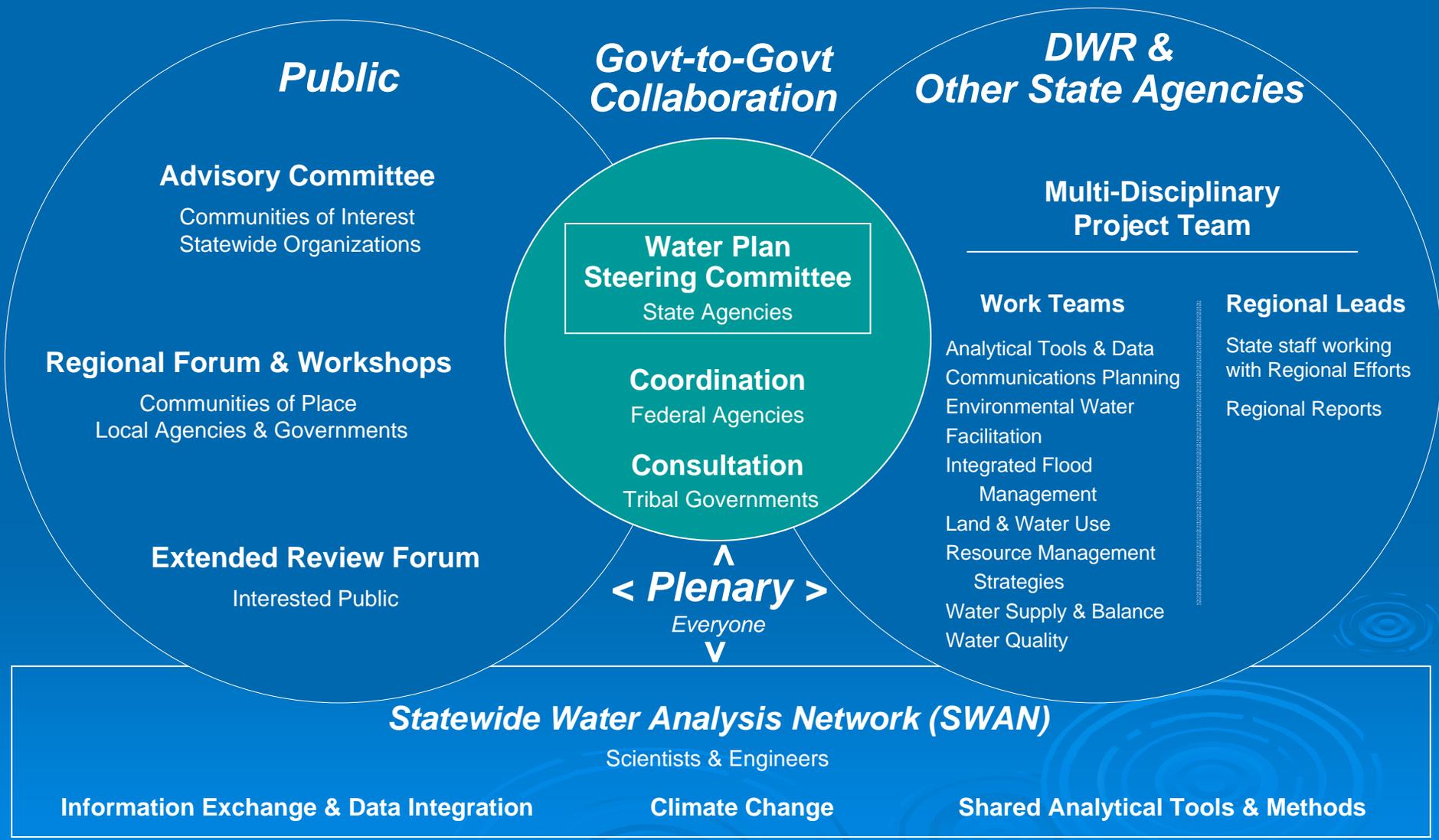
**2<sup>nd</sup> Plenary Meeting  
September 18 & 19, 2008**



# Agenda Item 4

## Recap of Update 2009 Activities

# California Water Plan Update 2009 Process Guide



# Water Plan & Related Activities

## Since 1<sup>st</sup> Plenary (Oct. 2007)

1. 12 - 2008 Regional Workshops & the All-Regions Forum
2. 30 - Resource Mgmt Strategy Workshops over 9 days in July & August
3. AC Mini-Assessment / Process Check-in
4. TCC Tribal Communication Plan, Tribal Water Plenary & Tribal Flood Session at FMA Conference
5. Climate Change TAG
6. 22 - Org. Briefings & Conferences
7. Governor's 20x2020 Urban WUE
8. WETCAT / Draft AB 32 Scoping Plan
9. Draft FloodSafe Strategic Plan

**California Water Plan 2009**  
**Wednesday's Update**  **Feb. 27, 2008**

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This weekly electronic newsletter is designed to keep you current on California Water Plan news. We welcome comments, suggestions and any news tips that may be of interest to water planners.

**Regional Workshops get under way next week in Southern California**

If you plan to attend, please don't forget to RSVP

- Tuesday, March 4, Desert Hot Springs. Meeting materials, including the Initial Draft Regional Report for the Colorado River Region, [can be found here](#).
- Wednesday, March 5, Apple Valley. Meeting materials, including the Initial Draft Regional Report for the South Lahontan Region, [can be found here](#).
- Thursday, March 6, San Diego. Meeting materials, including the Initial Draft Regional Report for the South Coast Region, [can be found here](#).

DWR encourages attendance by the public and representatives of water agencies and associations, local, state, tribal (recognized and non-recognized), federal government, watershed and community groups, and conservancies. Eight more Regional Workshops will be held across the state this year. [You can find more information about them here](#).

**Free Delta Vision workshop to be held in Suisun City**

The Water Education Foundation is offering a free Delta Vision Workshop on Friday, March 7, in Suisun City. The free workshop will run from 8:45 a.m. to 5 p.m. and will outline the Delta Vision plan's recommendations and what they mean to you. Not only is the workshop free, organizers are giving all registered attendees a free box lunch. [Learn more here](#).

**DV Blue Ribbon panel will meet tomorrow and Friday**

The Delta Vision Blue Ribbon Task Force will meet tomorrow and Friday in West Sacramento to continue developing a strategic plan to implement its vision for the California Delta. The meeting will focus on the Delta as an estuarine ecosystem, water and governance and strategic finance. [Read more](#).

**RAND releases two water management studies**

The RAND Corporation has released two studies detailing uncertainties about future water-management. The first is "Presenting Uncertainty About Climate Change to Water-Resource Managers: A Summary of Workshops with the Inland Empire Utilities Agency," [find it here](#). The other report is "Preparing for an Uncertain Future Climate in the Inland Empire: Identifying Robust Water-Management Strategies," [find it here](#).

**Click on links below for more information.**

[Upcoming Meetings](#) [Water Plan Web site](#)

# 14-Month Collaboration Statistics

Mar 2007 - September 2008

## Comparison

Update 2005

23,300 person-hours  
in 60 months

Update 2009

17113 person-hours\*  
in 18 months

Statistic

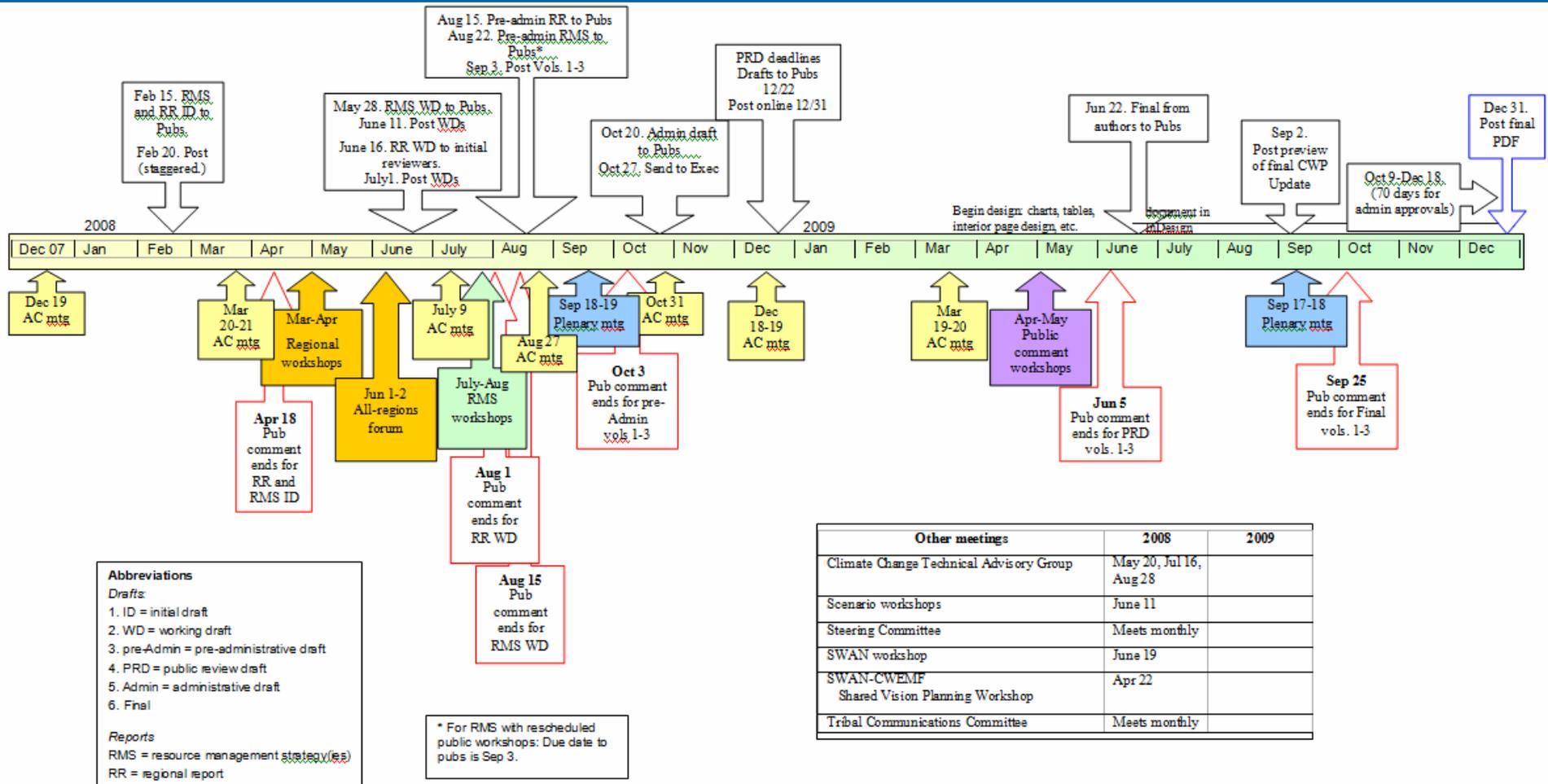
73% of collaboration in  
30% of the time

\* Not including briefings

| Meeting                         | Number    | Person Hours |
|---------------------------------|-----------|--------------|
| Steering Committee              | 11        | 1072         |
| Advisory Committee              | 5         | 3697         |
| Regional Workshops              | 21        | 4725         |
| Mgmt Strategy Workshops         | 27        | 1160         |
| All-Regions Forum               | 2         | 1928         |
| Plenary                         | 1         | 1200         |
| SWAN Workshops                  | 7         | 1420         |
| Scenarios Workshops             | 2         | 82           |
| Climate Change TAG              | 3         | 675          |
| Tribal Communications Committee | 10        | 658          |
| Tribal Water Plenary            | 1         | 496          |
| <b>Totals</b>                   | <b>90</b> | <b>17113</b> |

# Document Production Schedule

## Documents Above & Venues Below Timeline



# Preview of Update 2009 Pre-Admin Draft Vol. 2 & 3

# Vol. 2 – 30 Resource Management Strategies

## Reduce Water Demand

- Agricultural Water Use Efficiency
- Urban Water Use Efficiency

## Improve Operational Efficiency & Transfers

- Conveyance
- 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

- Floodflow Management
- Flood Impact Reduction

## Improve Water Quality

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

## Practice Resource Stewardship

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



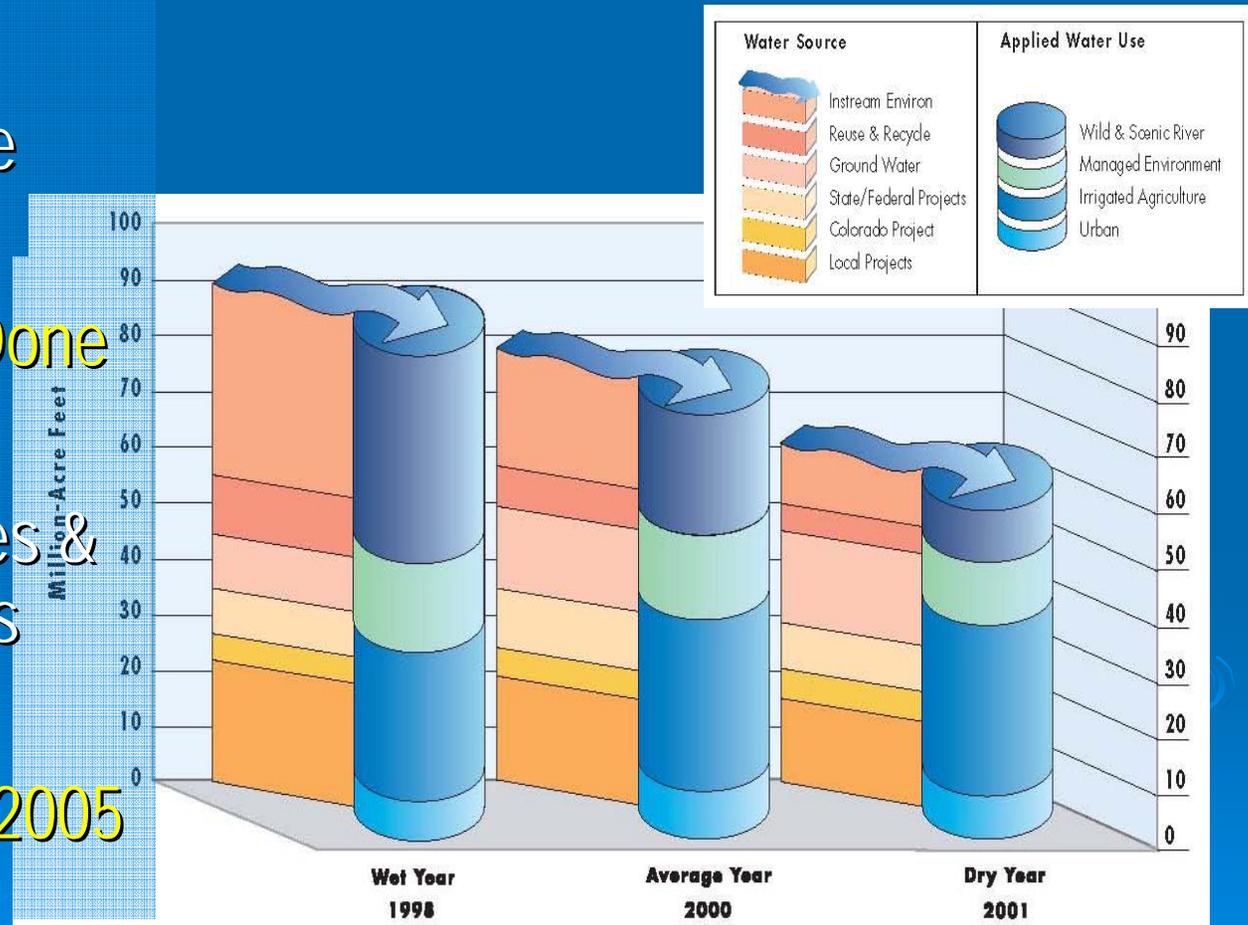
# Volume 3 12 Regional Reports + State Summary

- Initial Drafts reviewed during 2008 Regional Workshops
- Working (2<sup>nd</sup>) Drafts reviewed by Initial Reviewers & Public mid-July & August
- Pre-Admin (3<sup>rd</sup>) Draft comments due Oct. 3

# Volume 3 includes the Water Portfolios

## Adding 5 years: 1999, 2002 – 2005

- 1999 Balances Done
- 2002 – 2005 Uses Done
- 2002 – 2005 Supplies & Balances in progress
- End up with 1998 – 2005



# Questions?



# Agenda Item 5

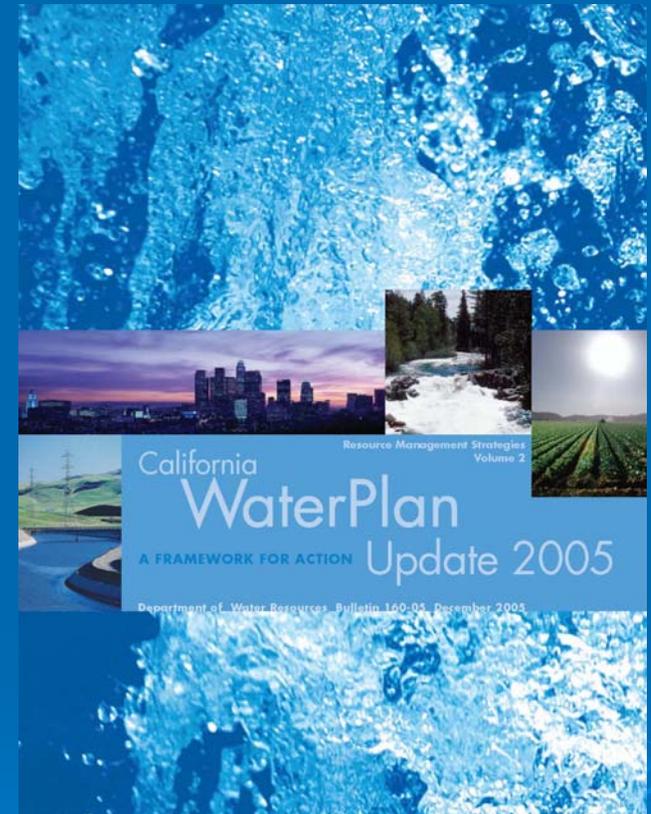
Preview of Update 2009

Pre-Admin Draft

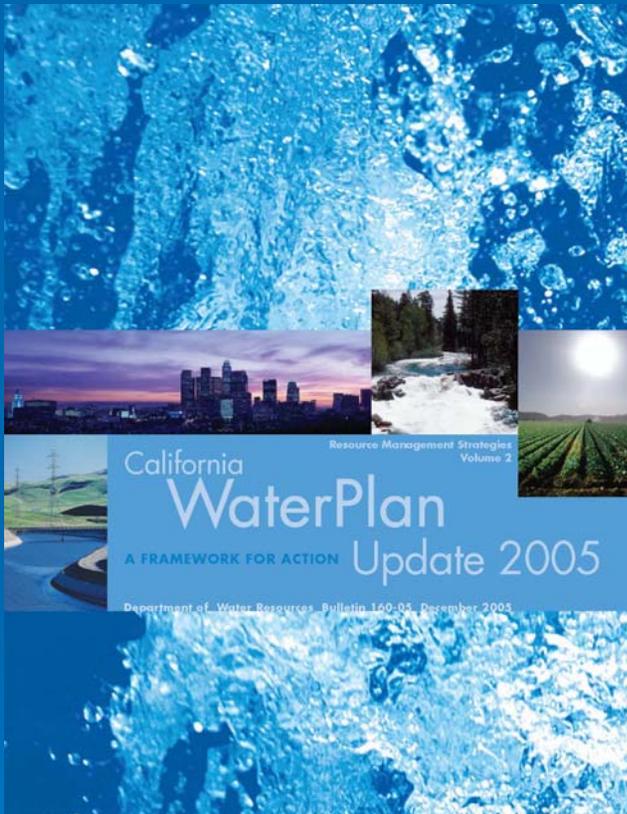
Volume 1

# Volume 1 Chapters --- The Strategic Plan

1. Introduction
2. Imperative to Act
3. Companion State Plans
4. California Water Today
5. Managing for the Future  
Uncertainty, Risk & Sustainability
6. Integrated Data & Analysis
7. Implementation Plan



# Vol 1, Ch 1 -- Introduction



- An Evolving Water Plan
- An Expanded Process
- Inclusive Water Planning
- Expanded Features
- Organization of Update 2009

# Vol 1, Ch 2 – Imperative to Act

## ➤ A Roadmap

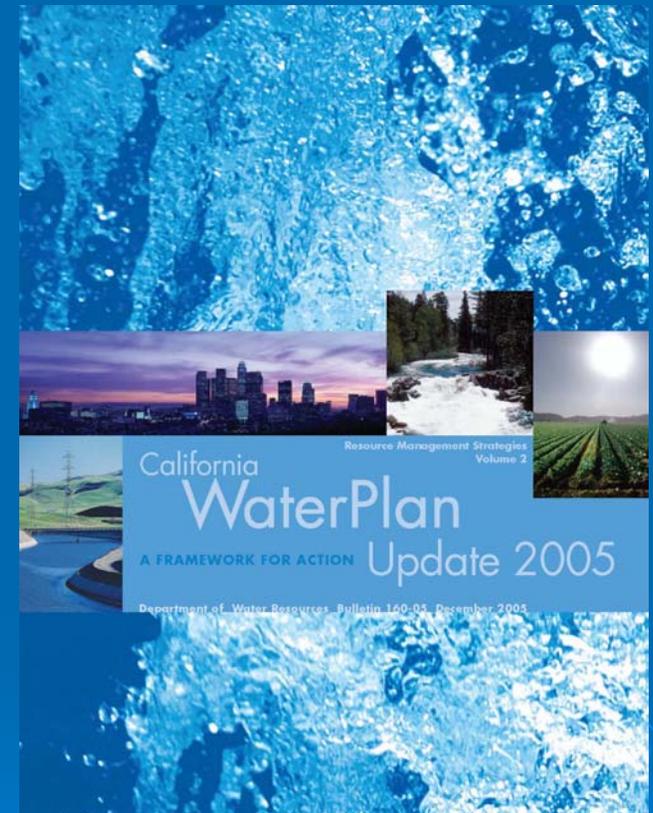
- Strategic Plan elements

## ➤ Paramount Challenges

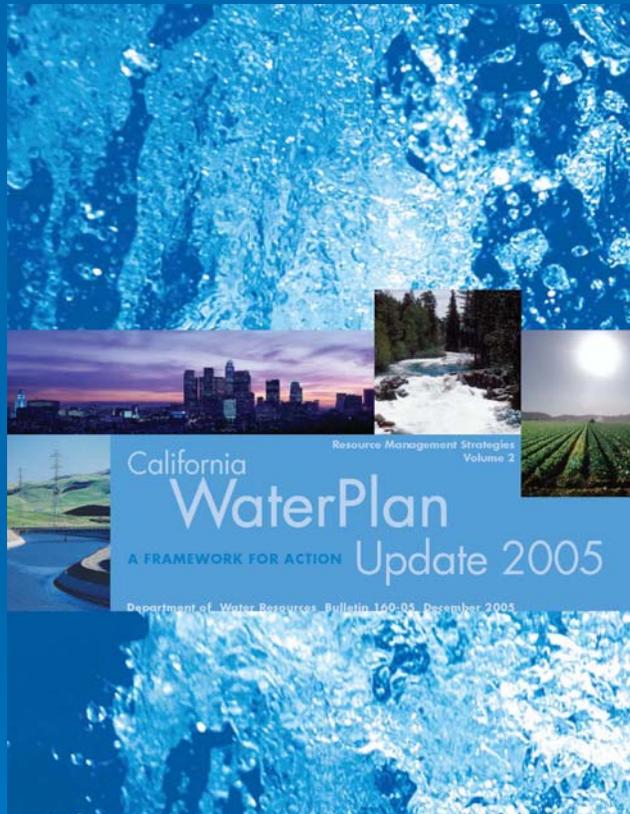
## ➤ Key Initiatives

- Managing for Uncertainty, Risk & Sustainability
- Integrated Resources Plng & Mgmt
- Adapting to Climate Change
- Coordinating Govt Plng & Mgmt

## ➤ 9 Recommendations



# Vol 1, Ch 3 – Companion State Plans



- Water Management in CA
  - Agencies w/ water & flood roles & responsibilities
- Companion State Plans & the CA Water Plan
  - Water Plan Obj & Rec'ds
  - Resource Mgmt Strategies
- Implementation Implications & Considerations

# Vol 1, Ch 4 – CA Water Today

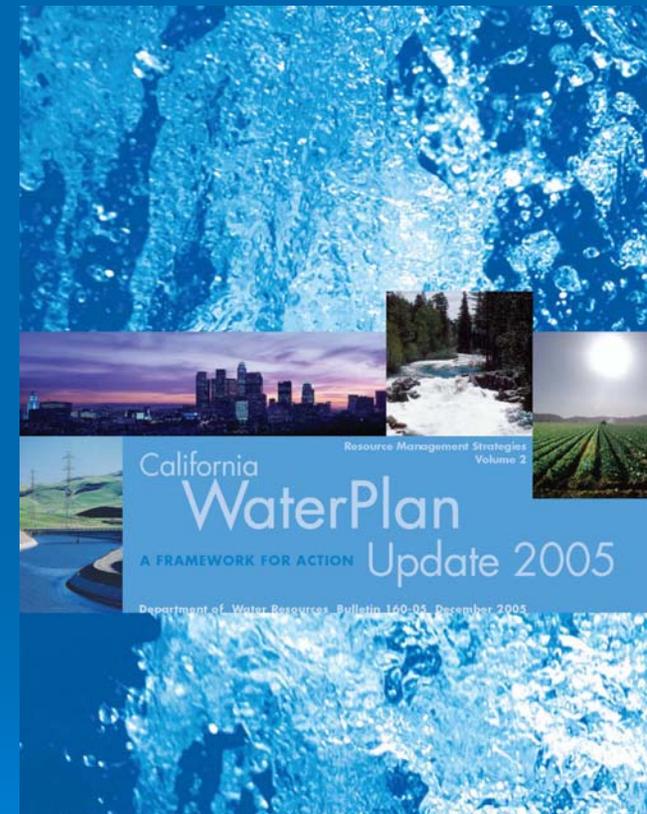
## ➤ Setting & Water Conditions

## ➤ Challenges

- Dry-year (Drought) periods
- Floods & flooding
- Environment / ecosystem
- Contamination of surface & GW
- Climate change
- Others ...

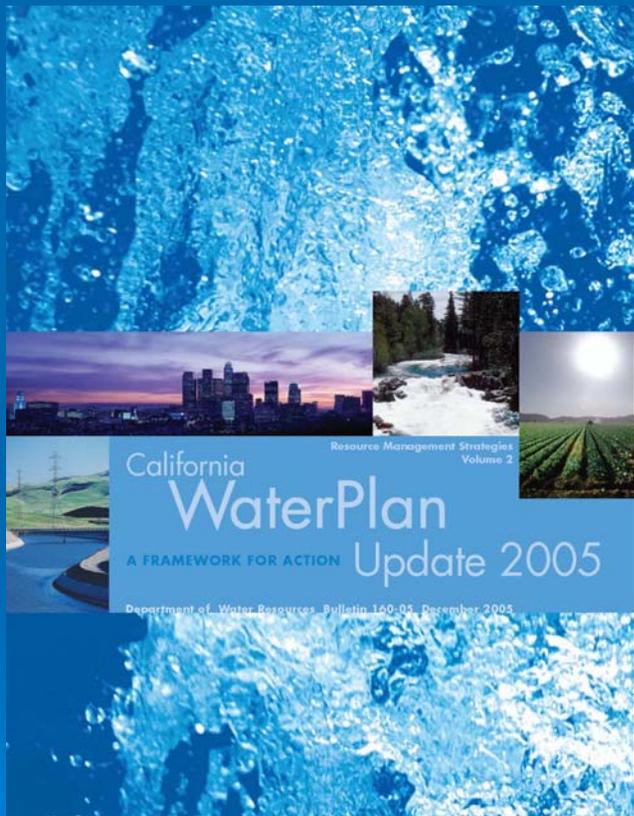
## ➤ Responses & Opportunities

- Stewardship & sustainability
- Regional/Local plng & mgmt
- Statewide & interregional response



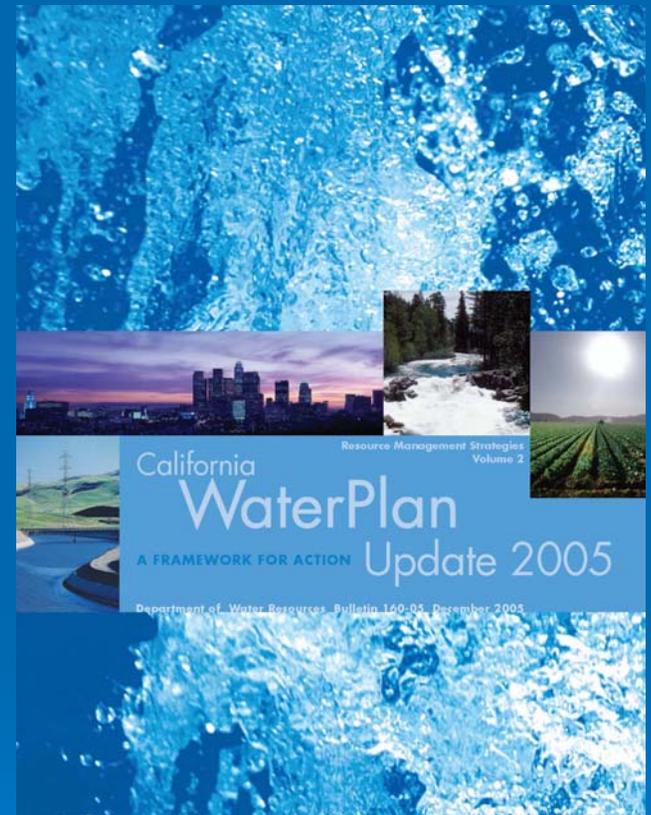
# Vol 1, Ch 5 – Managing for the Future

- Approach for managing for sustainability (past & new)
- Recognizing & reducing uncertainty
- Assessing risk (examples)
- Managing for sustainability
  - Examples / case studies
  - Water Plan analysis scenarios & responses
- Summary

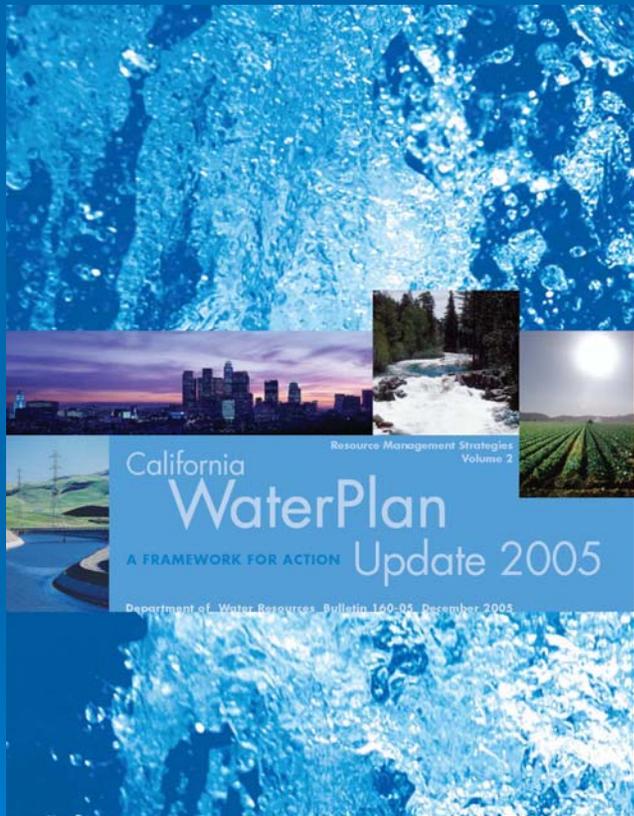


# Vol 1, Ch 6 – Integrated Data & Analysis

- Recent studies & forums for improving information & analysis
- Specific water mgmt information & analytical needs
- Implementing long-term improvements & Shared Vision Plng
- Implementing analytical improvements for Update 2009
- Conclusions & next steps



# Vol 1, Ch 7 – Implementation Plan



- Strategic plan element defns
  - Vision, mission, goals, guiding principles, objectives, actions & recommendations
- Summary of Update 2009  
9 Recommendations
- 12 Objectives & their  
83 related actions

# Questions?



# Agenda Item 6

## Pre-Admin Draft

### Strategic Plan Elements

# Vol. 1 -- Strategic Plan Elements

Discussed draft vision,  
mission, goals &  
guiding principles at  
AC & CCTAG mtgs:

Dec 2007  
July & Aug 2008

Discussed draft obj & actions  
at AC & CCTAG mtgs  
July & Aug 2008

Identified impediments  
& opportunities at  
AC & CCTAG mtg  
Aug 2008

Vision & Mission

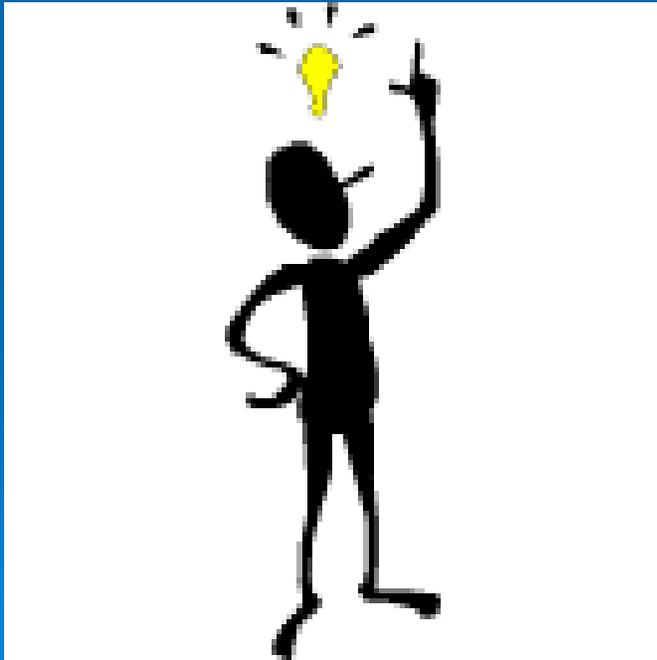
Goals

Guiding Principles

Objectives & Actions

Recommendations

See Volume 1, Chapter 7  
(Implementation Plan)



Definitions of  
Strategic Plan  
Elements

# Genesis of Strategic Plan Elements

- **Vision, Mission, 6 Goals & 10 Guiding Principles**
  - Initial draft from Update 2005
  - Revised after comments from SC, AC, CCTAG & public
- **12 Objectives & 83 Related Actions**
  - From Companion State Plans developed to meet various resource management and communication goals.
  - Revised after comments from SC, AC & CCTAG
- **9 Recommendations**
  - Initial draft from impediments & opportunities offered by AC and CCTAG
  - Revised after comments from SC, AC & CCTAG

# Water Plan Vision

- California has integrated, reliable and secure water resources and management systems that
  - Enhance public health, safety, and quality of life in all its communities;
  - Sustain economic growth, business vitality, and the agricultural industry; and
  - Protect and restore California's unique biological diversity, ecological values, and cultural heritage.

# Water Plan Mission

- Updating the California Water Plan provides State, federal, Tribal, regional, and local governments and organizations a continuous strategic planning forum to collaboratively:
  - Recommend strategic goals, objectives, and near-term actions that conserve, manage, and develop California's water resources and management systems, needed to ensure water supplies that are adequate, reliable, secure, affordable, sustainable and of suitable quality for beneficial uses;
  - Prepare response plans for floods, droughts, and catastrophic events that would threaten water resources and management systems, the environment, property, and the health, welfare and livelihood of the people of California; and
  - Evaluate current and future water conditions, challenges and opportunities.

# Water Plan Goals 1 - 3

1. State government supports long-range, integrated water resources planning and management through leadership, oversight, and public funding.
2. Regional partnerships have a central role in California water resources planning, sustainable water management, and increasing regional self-sufficiency.
3. Water resources planning and management, together with land use planning for urban and rural development, protect, preserve, and enhance watersheds, communities, and environmental and agricultural resources.

# Water Plan Goals 4 - 6

4. Natural resource and land use planners make informed and collaborative decisions to integrate water supply, water conservation, water quality, flood management, and environmental stewardship in light of climate and other drivers of change.
5. Integrated flood management, as part of integrated water resources management, increases flood protection, improves preparedness and emergency response, enhances floodplain ecosystems, and promotes sustainable flood management systems.
6. The benefits and consequences of water decisions and access to State government resources are equitable across all communities.

# Water Plan Guiding Principles

1. Use a broad, stakeholder-based, long-term perspective for water mgmt.
2. Promote sustainable resource management on a watershed basis.
3. Increase regional drought and flood preparedness.
4. Increase regional self-sufficiency.
5. Promote regional coordination and collaboration among local governments and agencies, public and private organizations, and Tribal governments and Tribal communities.
6. Determine values for economic, environmental and social benefits, costs, and tradeoffs to base investment decisions on sustainability.
7. Incorporate future variability, uncertainties, and risk in the decision-making process.
8. Use the longstanding constitutional principles of reasonable use and public trust.
9. Promote environmental justice - the fair treatment of people of all races, cultures, and incomes.
10. Use science, best data, and local and indigenous peoples' knowledge in a transparent and documented process.

# Draft Objectives & Related Actions

# Objective & Actions Taken from Companion State Plans

1. Draft Climate Change Adaptation White Paper (DWR, Aug 20, 2008)
2. Draft Water-Energy Climate Change Mitigation Strategies (WETCAT, March, 2008)
3. Draft FloodSafe Strategic Plan (DWR, May 28, 2008)
4. Fourth Staff Draft Delta Vision Strategic Plan (Delta Vision, September 10, 2008)
5. Water Boards Strategic Plan 2008-2012 (Water Boards, September 2008)
6. Draft Bay-Delta Strategic Work Plan (Water Boards, June, 2008)
7. Water Action Plan (CPUC, November, 2005)
8. California Wildlife Action Plan (DFG, 2007)
9. California Transportation Plan 2025 (April, 2006) and 2030 (Caltrans, October, 2007)
10. Update 2009 Draft Tribal Communication Plan (TCC, June 17, 2008)
11. Preparing for California's Next Drought – Changes Since 1987–1992 (DWR, 2000)
12. Critical Water Shortage Contingency Plan, Governor's Advisory Drought Panel (2000)
13. California Drought, An Update (DWR, April, 2008)

# Format of Objectives & Actions

- Objective Statement
- Narrative describing Objective (in *italic*)
- Related Actions
  - Place holders (XXXX) for completion dates & targets

# Pre-Admin Draft Objectives

1. Promote, improve, and expand Integrated Regional Water Management to build regional partnerships that have a central role in California water resources planning, sustainable watershed & floodplain management, and increasing regional self-sufficiency. (Ch 7, pages 4 - 5)
2. Increase water use efficiency, recycling, and reuse to help meet future water demands and adapt to climate change. (Ch 7, pages 6 – 7)
3. Advance and expand conjunctive management of multiple water supplies to prepare for future droughts and climate change. (Ch 7, pages 8 – 9)

# Pre-Admin Draft Objectives

4. Protect and restore surface water and groundwater quality to safeguard public and environmental health and secure California's water supplies for their intended uses. (Ch 7, pages 10 - 11)
5. Promote, improve, and expand ecosystem stewardship to sustain the environment and water and flood management systems. (Ch 7, pages 12 – 13)
6. Promote and practice Integrated Flood Management to provide multiple benefits for better emergency preparedness and response, higher flood protection, more sustainable flood and water management systems, and enhanced floodplain ecosystems. (Ch 7, pages 14 – 15)<sub>35</sub>

# Pre-Admin Draft Objectives

7. Practice sustainable management of the California Delta with the Delta ecosystem and a reliable water supply for California as co-equal goals and by recognizing the Delta as a unique and valued area. (Ch 7, pages 16 - 17)
8. Prepare response plans for floods, droughts, and catastrophic events to help residents and communities make decisions that reduce the consequences of these events when they occur. (Ch 7, pages 18)
9. Reduce the energy consumption of water and wastewater management systems to mitigate greenhouse gas emissions. (Ch 7, pages 19 – 20)

# Pre-Admin Draft Objectives

10. Improve and expand monitoring, data management, and analysis to support decision-making in light of uncertainties that support Integrated Regional Water Management and statewide flood and water resources management systems. (Ch 7, pages 21 - 22)
11. **Identify and fund focused research on new water technology to help carry out water programs and better manage water systems. (Ch 7, pages 23)**
12. Increase Tribal participation and access to funding for water programs and projects to have more sustainable Tribal water resources. (Ch 7, pages 24 - 25)

# Draft Recommendations

# Draft Recommendations 1 - 5 In Brief

1. California should implement the Water Plan's related actions to achieve its goals and objectives.
2. State government should manage California's water resources with ecosystem health and water supply reliability as co-equal goals, and should protect public trust resources.
3. State government should lead and support planning and research to help California adapt and mitigate for climate change impacts, and emphasize drought and flood contingency planning.
4. California should improve the integration of land use policies and practices, development decisions, and water and flood planning and management.
5. California should maintain, rehabilitate, and improve its aging water and flood infrastructure.

# Draft Recommendations 6 - 9 In Brief

6. California should provide sustainable funding for statewide and regional water and flood management recognizing the critical role of public-private partnerships, the principle of beneficiary pays, incentive-based water pricing and user fees, and investment decisions based on sustainability.
7. State government should provide effective leadership, assistance, and oversight for California's water and flood planning and management activities.
8. California should clarify the roles, authorities, rights and responsibilities of federal, Tribal, State, regional, and local governments and agencies responsible for water and flood management.
9. State agencies should ensure Environmental Justice is all communities and equal access to State funding for water and flood projects.

# Questions? & Discussion

