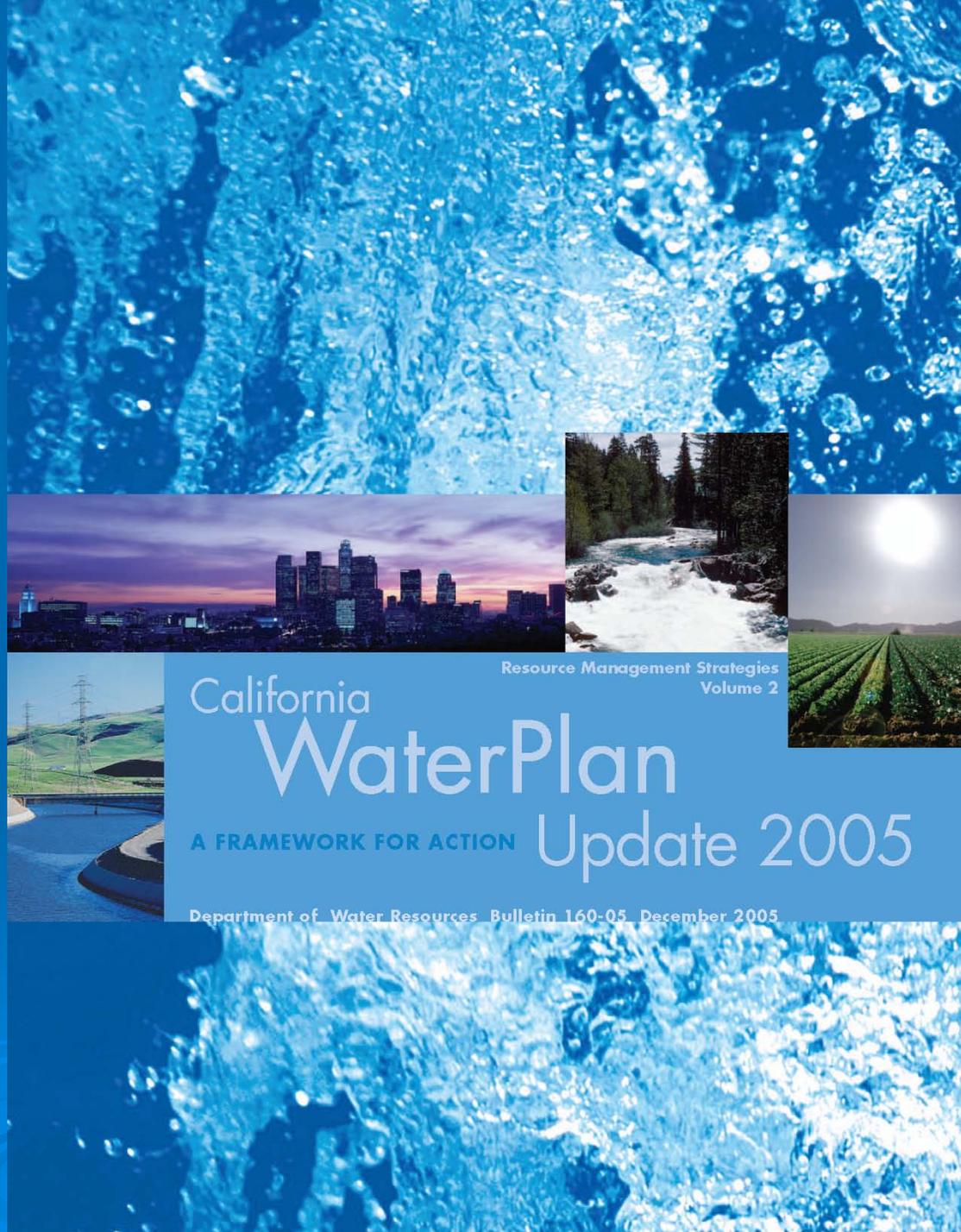


California Water Plan Update 2009

Overview of California Water Plan Activities

2008 Regional Workshops



Resource Management Strategies
Volume 2

California WaterPlan

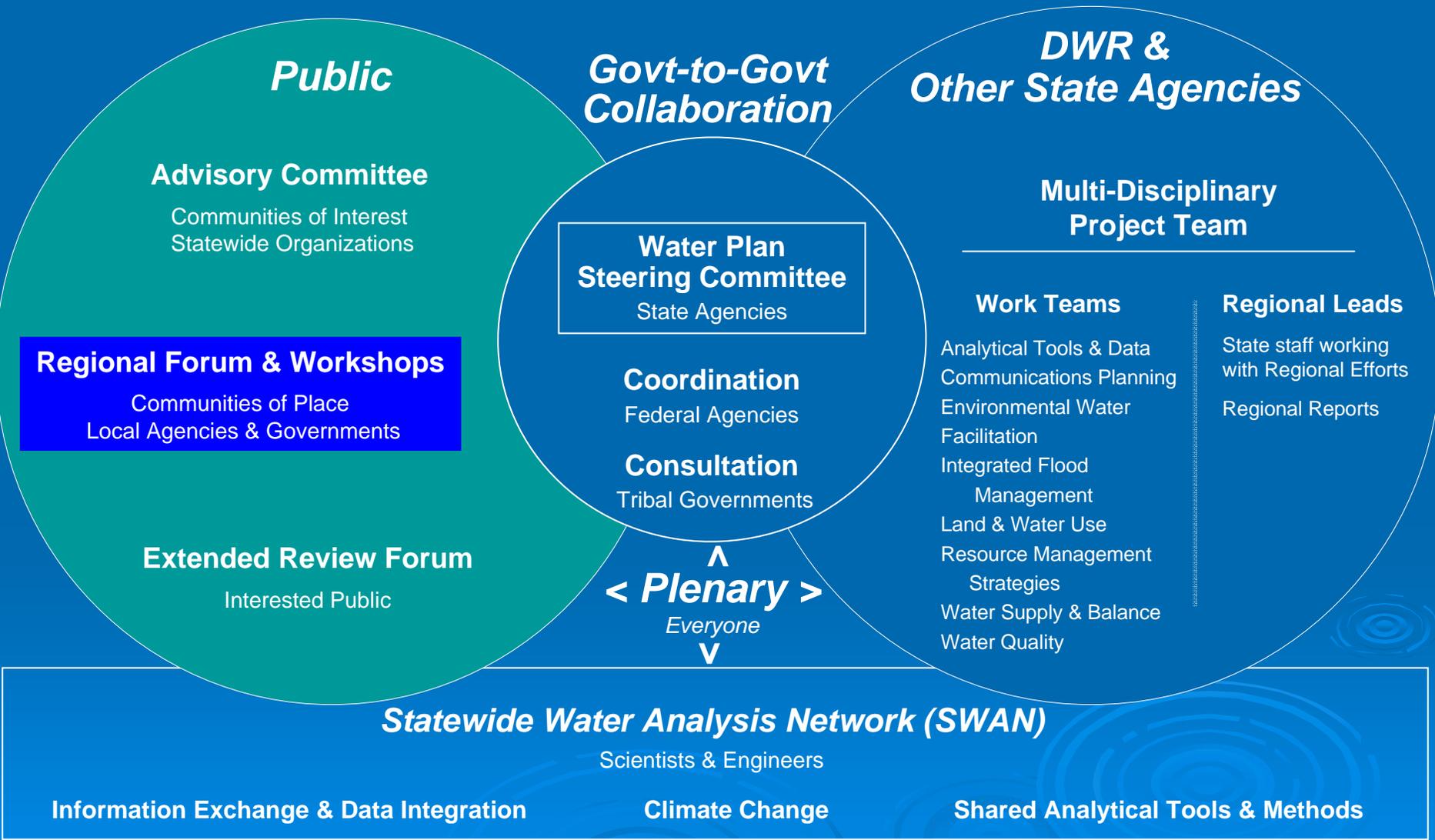
A FRAMEWORK FOR ACTION Update 2005

Department of Water Resources Bulletin 160-05 December 2005

Topics

- Recap Water Plan Regional Outreach
- Nexus of Water Plan – IRWM – FloodSafe
- 2007 Activities & Accomplishments
- Looking Ahead in 2008

California Water Plan Update 2009 Process Guide



Regional Workshops & Forums

Local Agencies & Govts. – Communities of Place

The goal is to engage & involve:

- Regionally-based Water Collaboratives
- IRWM Planning Partnerships
- Local Governments, Agencies & Organizations
- Tribal Governments, Communities & Organizations
- State Commissions & Conservancies
- Regional Offices of State & Federal Agencies

2008 Regional Workshops - Round 2

- 11 interactive workshops
- Status of Water Plan Update 2009 activities
- Review Regional Report Outline & Schedule
- Recap what we heard during 2007 Workshops
- Discuss Initial Draft Regional Reports
- Preview Initial Draft Resource Mgmt Strategies

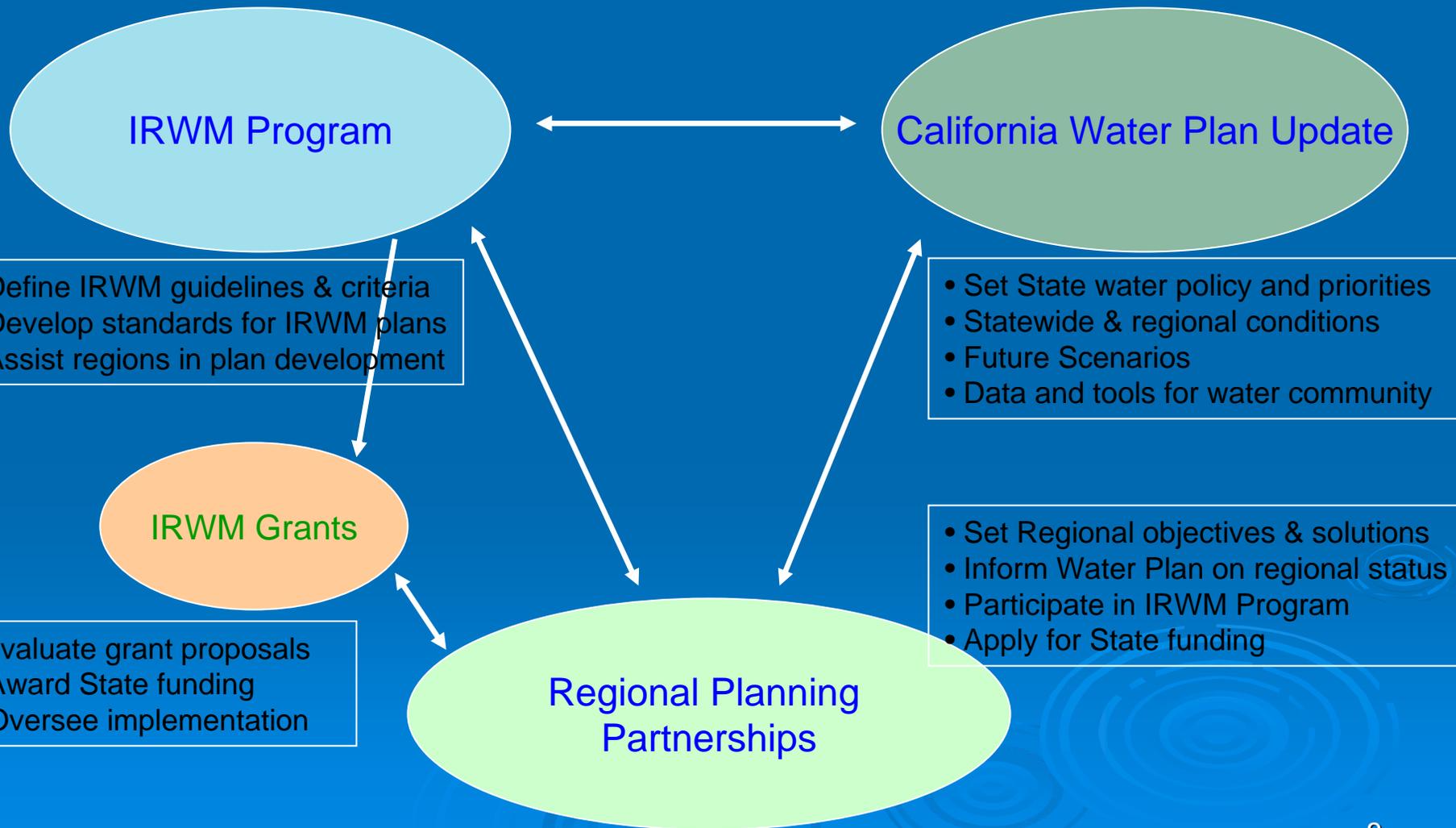
Nexus of Water Plan IRWM & FloodSafe

Update 2005 Initiative 1 Implement Integrated Regional Water Management

- Foster regional partnerships
- Develop integrated regional water management plans
- Diversify regional water portfolios using mix of strategies



Linking the California Water Plan, IRWM Program & Regional Planning



Update 2005 Initiative 2 Improve Statewide Water Management Systems



- Improve aging facilities
- Improve & integrate flood management
- Sustain the Sacramento-San Joaquin Delta
- Adapt for climate change

Linking Water Plan & FloodSafe Planning

Plan Improvements

FloodSAFE Strategic Plan

FloodSAFE Implementation Plan

California Water Plan
Add Statewide Flood Management Planning

Central Valley Flood Management Plan

Integrated Regional Water Management Plans

Project Feasibility Studies

What to accomplish...

How to accomplish...

Statewide strategic policy document...

Operations, maintenance, and improvement plan for Central Valley ...

Regional flood plans with State assistance...

Conduct specific feasibility studies ...

Statewide Flood Planning

California Water Plan
Add Statewide Flood
Management Planning

- Integrate flood management in CA Water Plan
 - Statewide goals and guiding principles
 - Integrated flood management approach and methods used
 - Inventory of expected costs of feasibility flood management investments and statewide risk assessment
 - Current and expected near-term activities by region
 - Key opportunities for real “on the ground” integration and make recommendations for preferred methods by region

- Add resource management strategies for improving flood management

2007 Activities & Accomplishments

12-Month Collaboration Statistics

Mar 2007 – February 2008

Comparison

Update 2005

23,300 person-hours
in 60 months

Update 2009

9558 person-hours
in 12 months

Statistic

40% of collaboration in
20% of the time

Meeting	Number	Person Hours
Steering Committee	8	866
Advisory Committee	3	1945
Regional Workshops	10	2565
All-Regions Forum	1	1040
Plenary	1	1200
SWAN Workshops	4	946
Scenarios Workshop	1	90
Tribal Communications Committee	5	410
Tribal Water Plenary	1	496
Totals	34	9558

Expanding Tribal Outreach & Consultation

- Informed California tribes of Update 2009 launch & Invited tribes to participate
- Convened a *Tribal Communications Committee* to design tribal outreach & Communication Plan
 - Met 5 times >> October - February
- Training session for Steering Committee members
- Held *California Tribal Water Plenary* - January 2008
- Planning for a *California Tribal Water Summit* in 2009 – Summit Proceedings in Update 2009

1. Evaluate Progress on Update 2005 & Revise the Strategic Plan

Vision

Goals

Guiding Principles

Recommendations

Implementation Plan

- **April '07** – Advisory Committee reviewed Update 2005 Strategic Plan Elements and commented on status of their implementation
- **Dec '07** – Advisory Committee offered changes to Strategic Plan Elements (not recommendations)
- **July '08** – Advisory Committee will begin work on Update 2009 policy objectives & recommendations

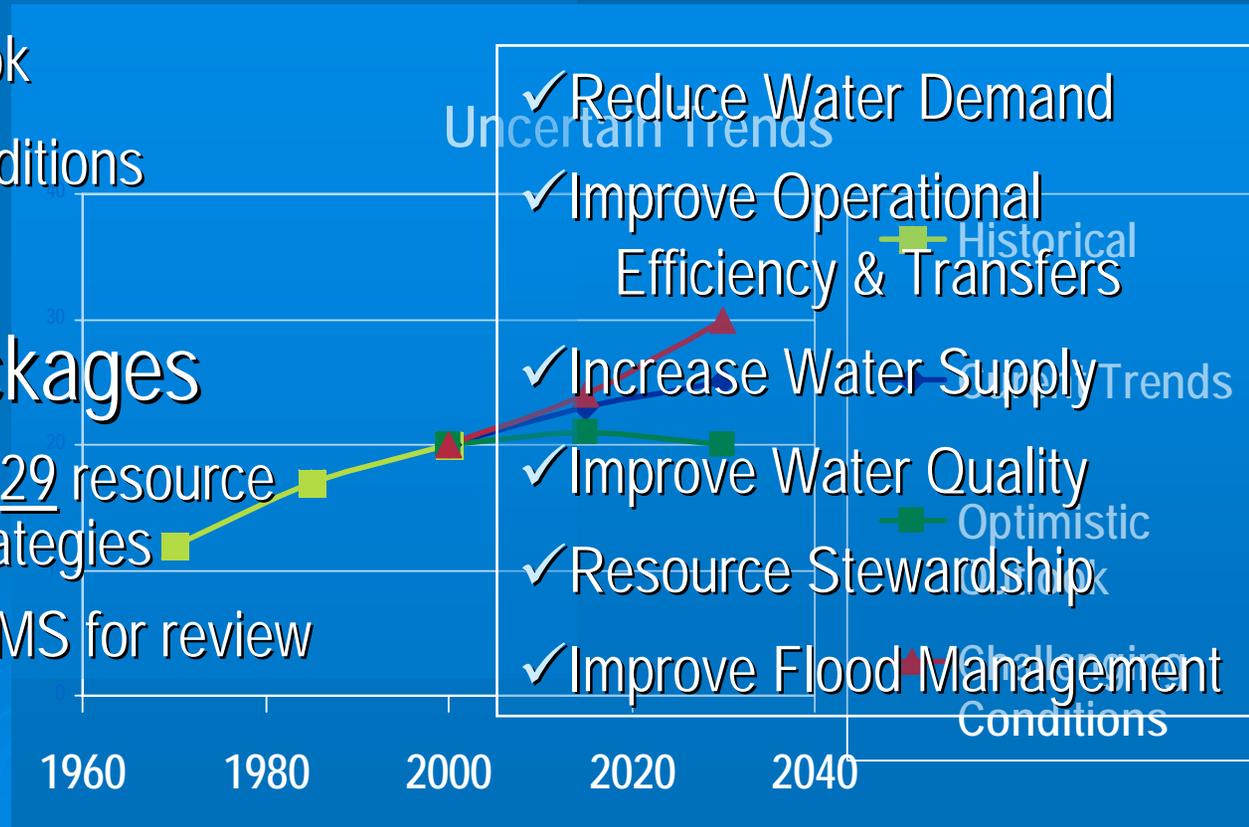
2. Update the Future Scenarios & Develop Response Packages

➤ Update 2009 Future Scenarios

- Current Trends
- Optimistic Outlook
- Challenging Conditions

➤ Response Packages

- Combinations of 29 resource management strategies
- Initial Drafts of RMS for review



3. Quantify Climate Change Impacts & Recommend Adaptation Actions

- Established Climate Change Technical Advisory Group
- Collaborating with Governor's Water-Energy Climate Action Team (WET CAT)
- Incorporated climate factors in Update 2009 Scenarios
- Developing climate change mitigation & adaptation strategies



4. Update & Expand 12 Regional Reports



- Building on Update 2005 reports
- Engaging regional water planning efforts & California Tribes
- Utilizing integrated regional water management plans
- Considering regional scenarios & response strategies
- Added 1999 to Water Portfolios – working on 2002 & 2003
- Recognizing regional issues having Statewide Implications

2007 Regional Workshops

- Completed 1st of 3 cycles – 10 interactive workshops
- Consolidated input posted on Regional Outreach Webpage www.waterplan.water.ca.gov/regional/
- Designated 4 DWR Regional Leads
+ Regional staffs from State Agencies are attending
- Work Topics:
 - Update 2005 Overview & Update 2009 Process Guide
 - Regional Outreach approach & participants
 - Content & Draft Outline for Regional Reports
 - Related Statewide Initiatives (IRWM, FloodSAFE, SWAN)
 - Roll up regional issues that have Statewide Considerations

2007 Regional Workshops

Statewide Considerations for Regional Reports

- Map out locations/condition of existing infrastructure and see what is missing for:
 - drinking water distribution
 - wastewater treatment
 - recycling (purple pipes)
 - stormwater reuse
- Consider water quality of imports, exchanges, and recharge of water
- Include information on impervious surface data and associated land use
- Describe emergency response planning and emergency water supplies

5. Update 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 Water Quality

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

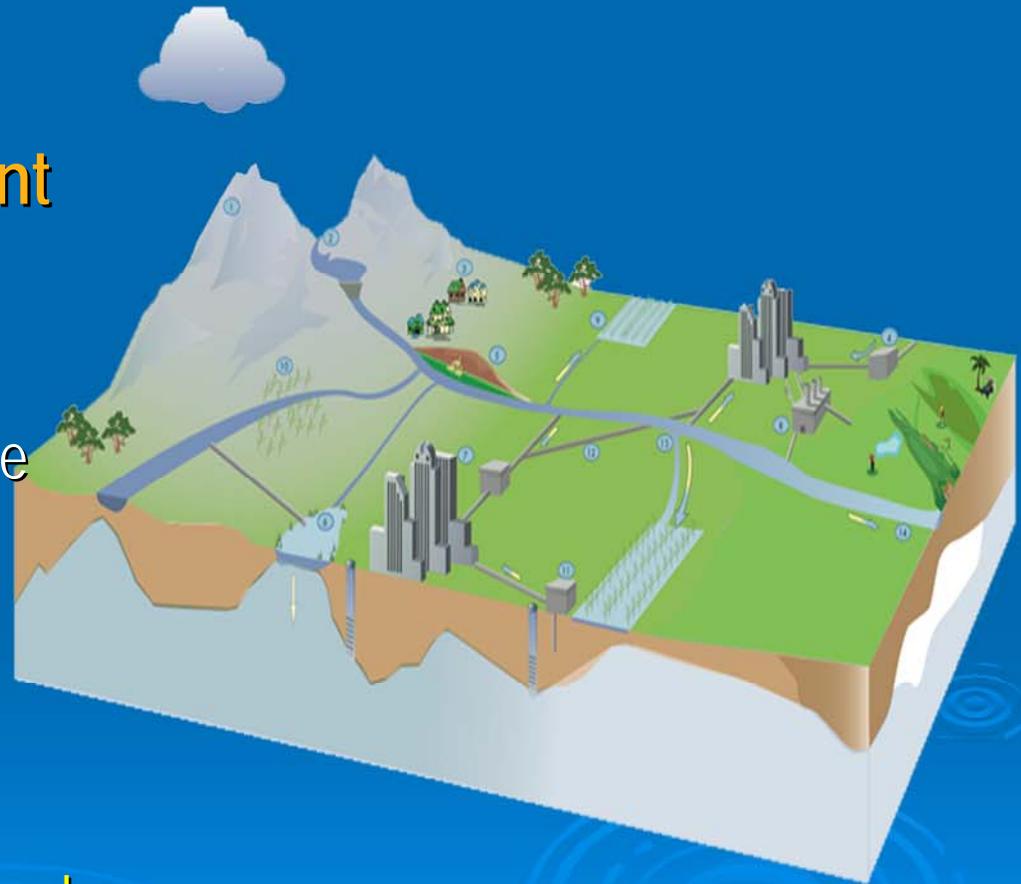
Practice Resource Stewardship

- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants, and Water Pricing)
- Ecosystem Restoration
- Urban Land Use Management
- Water-Dependent Recreation
- Watershed Management
- **Forest Management**
(new stewardship strategy including meadow restoration)

Added a New Strategy Category "Improve Flood Management"

New Resource Management Strategies

- Modify Flooding
- Modify Susceptibility to Damage
- Modify Impacts of Flooding
- Preserve Natural Floodplain Resources

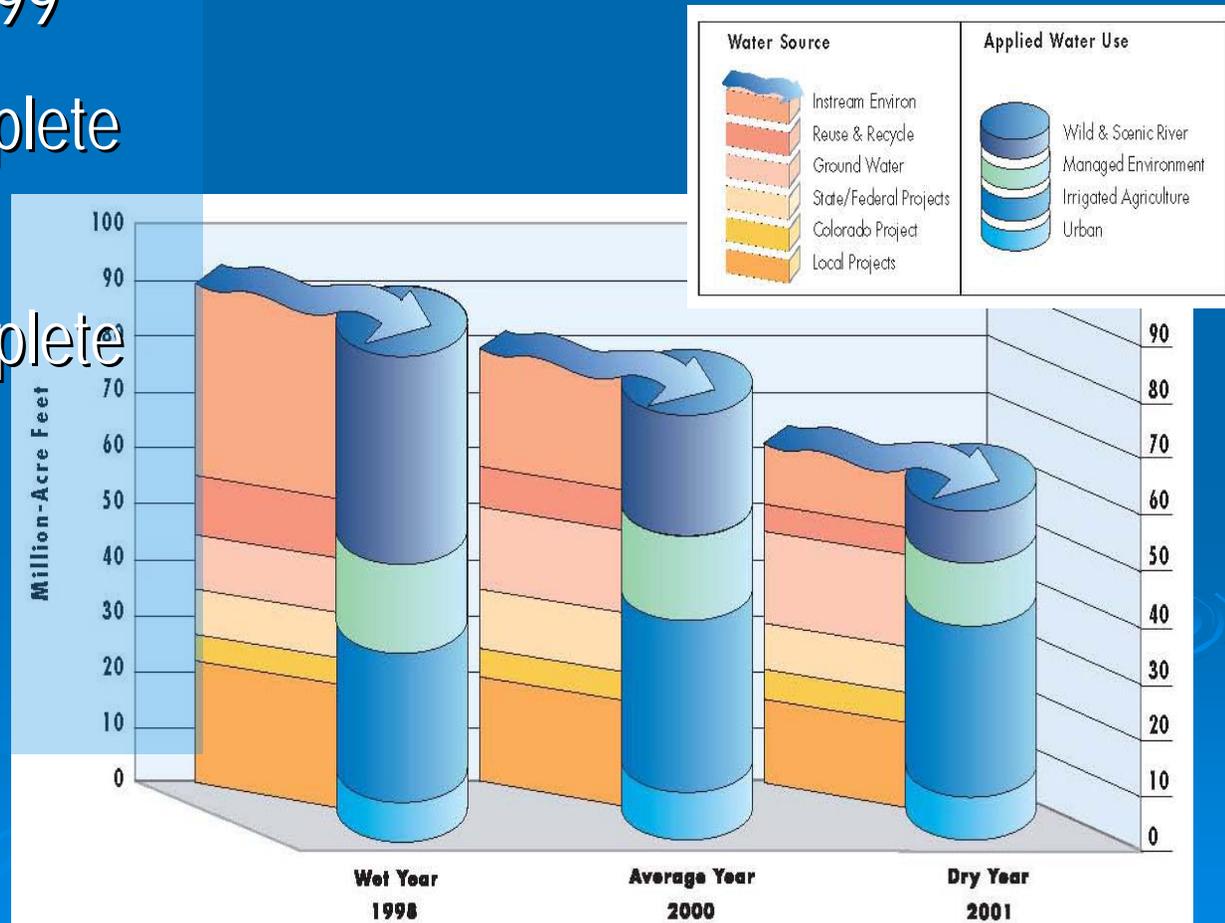


** Floodplain Management is merged into these strategies

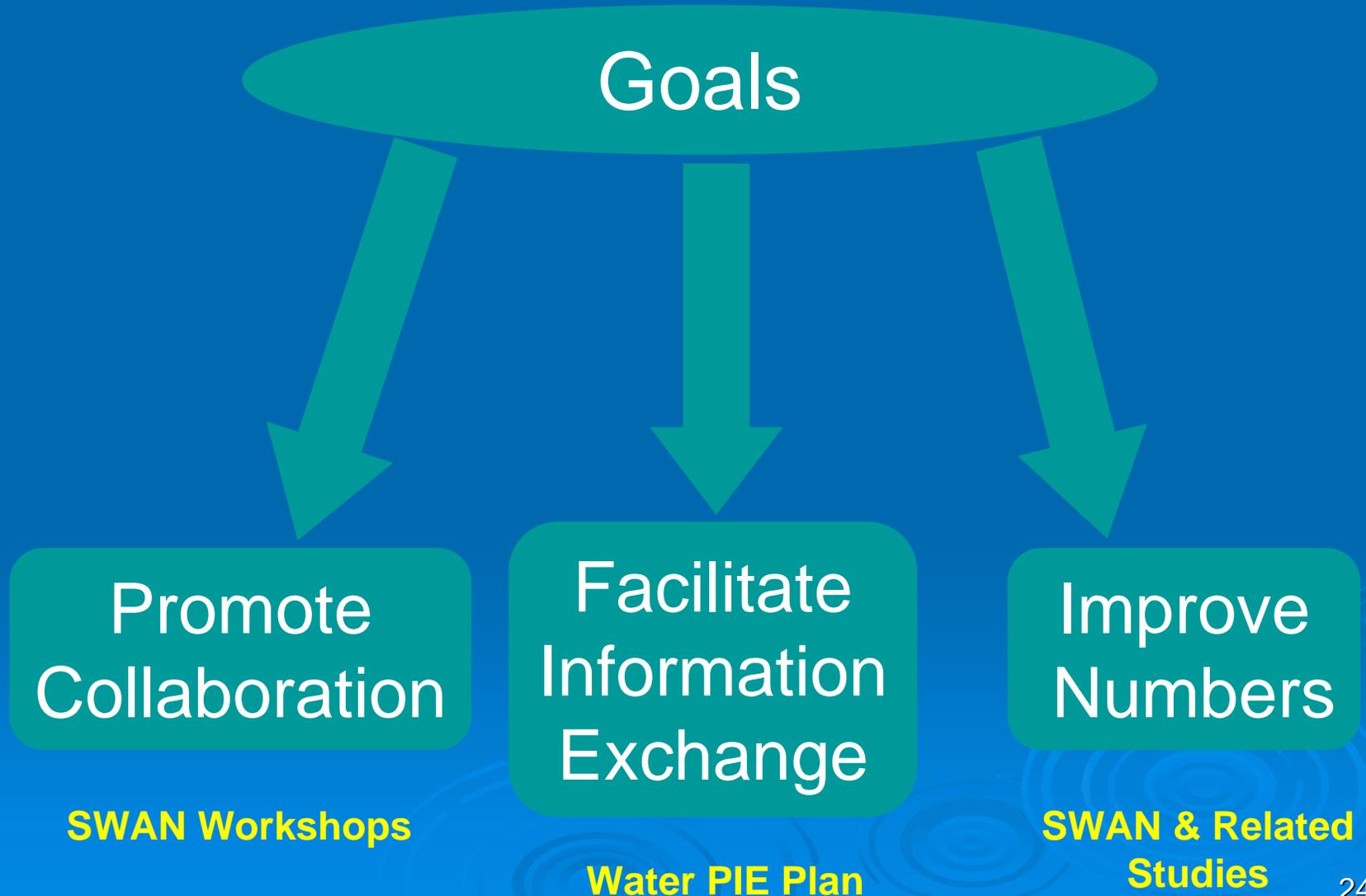
6. Add 5 Years to Water Portfolios

Outcome: 1998 – 2005 Data Set

- Completed WY 1999
- By mid-2008, complete WY 2002 & 2003
- By end-2008, complete WY 2004 & 2005



7. Improve Analytical Tools, Data & Data Exchange



Statewide Water Analysis Network (SWAN)

- Held 5 Workshops since December 2006
- Held Water Plan Session at CWEMF Annual Conf.
- Work Topics:
 - Shared Vision Planning approach
 - Conceptual Analytical Framework
 - SWAN Pilot Studies
 - Case Studies for implementing Future Scenarios
 - Water Portfolios & new Inflow-Outflow method
 - How to describe current water conditions
 - Quantification of Future Scenarios & Response Strategies

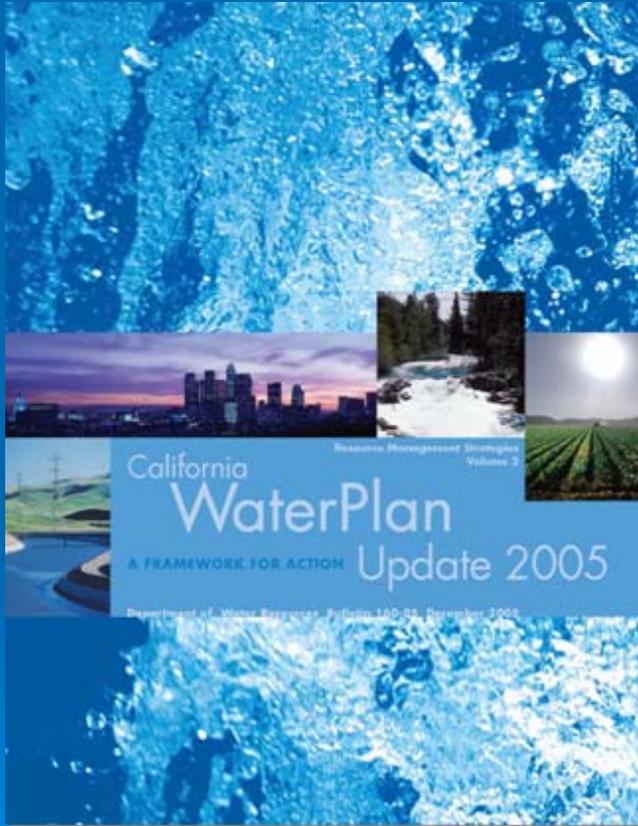
8. Incorporate State Companion Plans

- Water Boards Basin Plans
- FloodSafe Strategic Plan
- Delta Vision & Strategic Plan
- CALTRANS CA Transportation Plan & Regional Blueprint Plans
- CEC Integrated Energy Policy Report
- CPUC Water Action Plan
- DFG Ecosystem Restoration Plan
- OES Emergency Response Plan
- OPR General Plan Guidelines
- And Others



Looking Ahead in 2008

Mandated Documents & Due Dates



- **Dec. 2007** – Just Released Draft Assumptions & Estimates Report
- **Dec. 2008** – Public Review Draft Final A&E Report
- **Dec. 2009** – Final Water Plan

Draft Assumptions & Estimates Report

- Released in January 2008
- Seeking **comments by June 30, 2008** on
 - Additional information sources
 - How to improve utility of the A&E Report
 - How to improve data and information for *Update 2009*
- Release Final A&E Report in December 2008 along with Public Review Draft of Water Plan Update

2008 Public Meetings

- March - April 11 Regional Workshops
- March 20-21 AC Meeting
- Late May All Regions Forum
- May – June Res. Man. Strategies
Workshop Series
- July AC Meeting
- Sept. 18-19 Plenary Meeting
- Dec. 18-19 AC Meeting

Five Bites at the Water Plan Apple

Schedule of Draft Regional Reports & Resource Management Strategies

Draft Document	Public Distribution (Post Online)	Public Venues for Discussion of Drafts	Final Date for Public Comments
Initial Draft	<u>Regional Reports:</u> 2 weeks before workshops <u>Resource Mgmt Strategies:</u> Week of March 3	2008 Regional Workshops (Regional Reports) March '08 - Advisory Committee (RMS)	April 18, 2008
Working Draft	May 28, 2008	May/June '08 All-Regions Forum July '08 Advisory Committee	Aug 1, 2008
Preview Administrative Draft	September 3, 2008	Sep '08 Plenary Meeting	Oct 6, 2008
Public Review Draft	December 31, 2008	Mar '09 Advisory Committee Spring '09 - Public Comment Workshops	June 12, 2009
Preview Final Update 2009	August 31, 2009	Sep '09 Plenary Meeting	Oct 1, 2009
Final Update 2009	December 31, 2009	To Governor, Legislature & Public distribution	FINAL

2008 Regional Workshops - Round 2

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2 Ways to Access Water Plan Information

- Visit the Water Plan Web Portal
www.waterplan.water.ca.gov

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

Subscribe Comments/Suggestions Unsubscribe

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



- Subscribe to Water Plan eNews
a weekly electronic newsletter
www.waterplan.water.ca.gov/enews

California Home Governor Home Amber Alert Friday, February 29, 2005

Welcome to **California**

DWR Home
DELA Home
Water Plan Home

Water Plan Internal

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California Water Plan News

- Water Plan eNews — DWR and the CA Water Plan publishes a weekly electronic newsletter to keep you current on Water Plan news. We welcome comments, suggestions and any news tips that may be of interest to water planners, email us at wpnews@water.ca.gov.
► February 27, 2005 ► [eNews archives](#)
- 2008 Regional Workshops Announced — DWR in cooperation with other State agencies, invites you to participate in a series of regional workshops to gather and share information about the California Water Plan Update 2009. (02/02/2008)
[More info.](#)
- Delta Vision Workshop, March 7 — The Water Education Foundation presents a FREE one-day workshop to outline the Delta Vision Blue Ribbon Task Force implementation plan and includes a unique opportunity to provide input to key decision makers about the future of the Delta. The workshop is all-day on March 7, 2008 and will be held in Suisun City. (02/06/2008)
[Workshop Date, Web site](#)