



Public Advisory Committee Special Debrief Session

*Prepared for:
California Water Plan Update 2013 Public Advisory Committee*



Multi-Agency Water Plan Update Team

December 7 and 13, 2010



CALIFORNIA WATER PLAN, Update 2013

Nov. 9 Public Advisory Committee Debrief

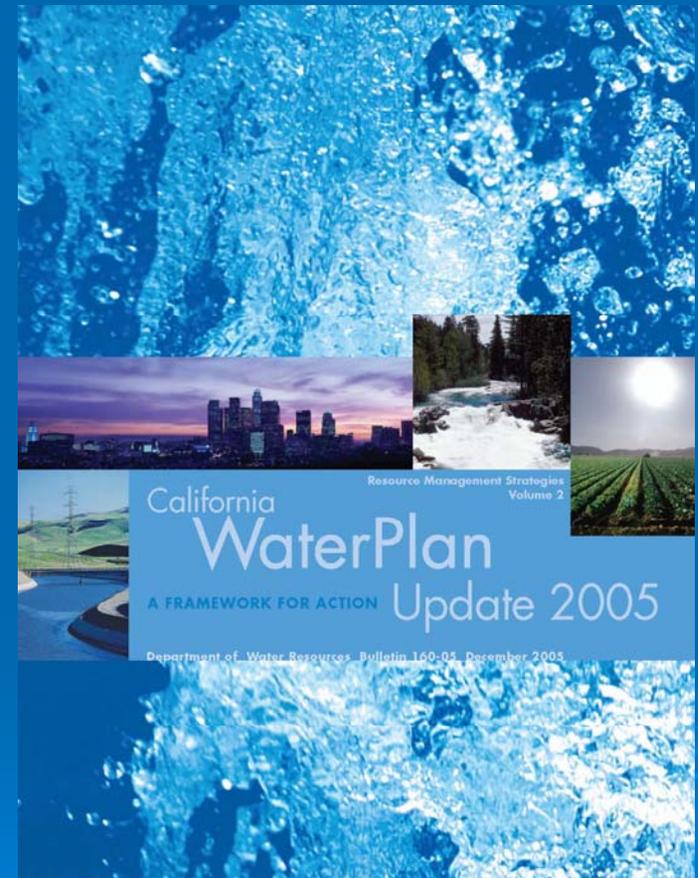
Agenda, December 7, 2010

9:00AM- 11:00PM.

9:00A.M.	WELCOME AND INTRODUCTIONS	Paul Massera, DWR Lisa Beutler, Executive Facilitator, MWH
9:05	REVIEW OF THE PUBLIC AC MEMBER BUSINESS ITEMS	Lisa Beutler
9:15	WHERE WE HAVE BEEN: <ul style="list-style-type: none"> • The Water Plans Of This Millennium 	Paul Massera
9:35	WHERE WE ARE GOING: <ul style="list-style-type: none"> • Overview Of 2013 • Priorities 	Paul Massera
10:15	HOW WE WILL DO IT - <ul style="list-style-type: none"> • Topic- Caucus And Regional Forum Overview 	Lew Moeller
10:50	NEXT STEPS	Lisa Beutler
11:00	ADJOURN	All

The California Water Plan

- First published in 1957 as Bulletin 3
- Updated 9 times as Bulletin 160
 - Update 2009 released Mar 2010
- Water Code requires DWR to update Water Plan every 5 years
 - next one in 2013
- Growing interest by Legislature & stakeholders
- Part of Governor's Strategic Growth Initiative
- Not a mandate & No appropriation



Water Plan 2005 - Framework for Action

Sustainable & Reliable Water in 2030

Vision



Vital Economy
Healthy Environment
High Standard of Living

**2 Initiatives
Ensure Reliable
Water Supplies**



Implement
Integrated
Regional Water
Management

Improve
Statewide Water
Management
Systems

**3 Foundational
Actions Ensure
Sustainable
Water Uses**



Use
Water
Efficiently

Protect
Water
Quality

Support
Environmental
Stewardship



Update 2005 Director's Message

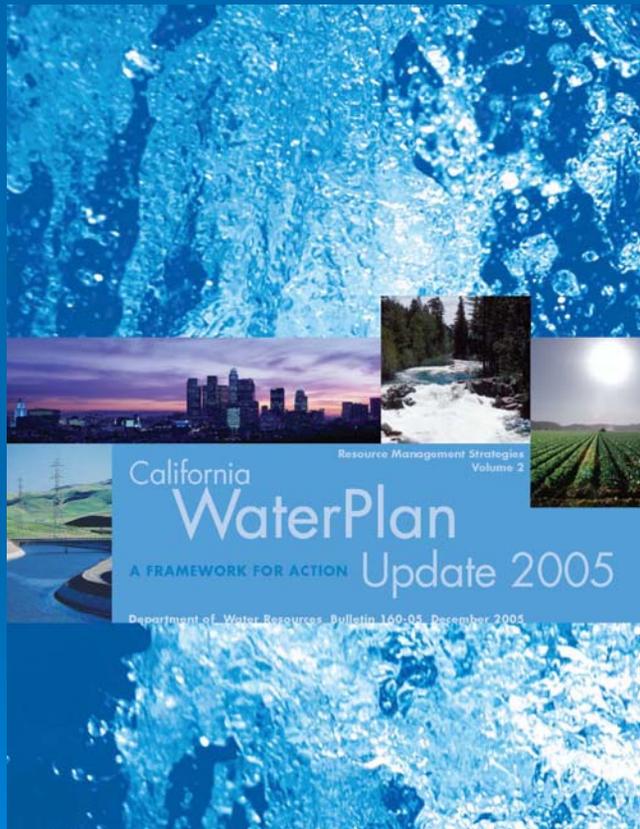


"This is not just another update of the California Water Plan. This document represents a fundamental transition in how we look at water management in California; and a fundamental transition in the way State government needs to be involved with local entities and interest groups in dealing with water resource matters in the state."

Lester Snow
Advisory Committee
April 14, 2005₅

Update 2005

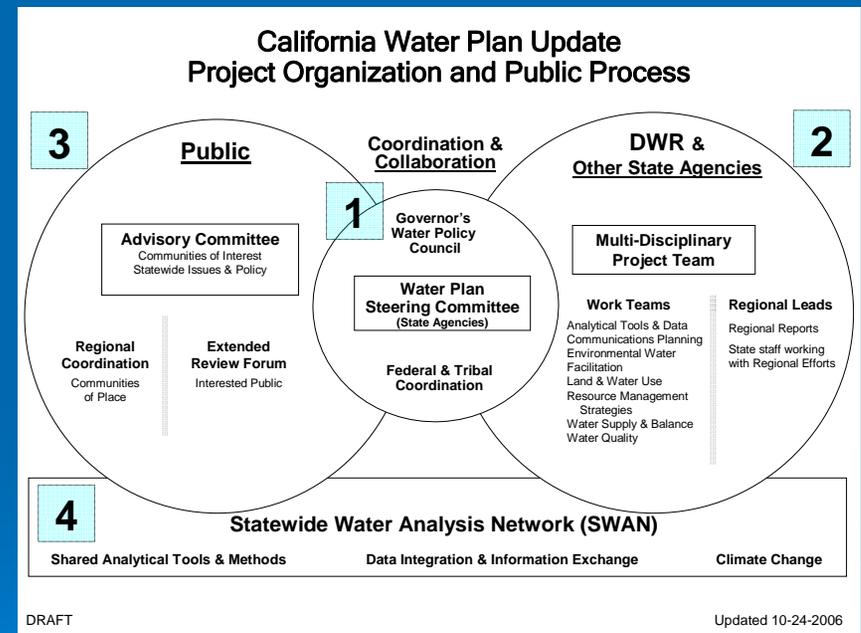
Process Recommendations



- Expand role & participation of other State agencies
- Expand role & participation of regional planning efforts
- Engage communities of interest & communities of place
- Add a technical advisory group

Update 2009 Work Plan Building on Update 2005

1. Evaluate progress on Update 2005 & Revise the Strategic Plan
2. Update the Future Scenarios & develop Response Packages
3. Quantify Climate Change impacts & recommend Adaptation Actions
4. Update & Expand 12 Regional Reports
5. Update 25 Resource Management Strategies
6. Add 5 years to Water Portfolio data 1998, 2002 – 2005
7. Improve Analytical Tools, Data & Data Exchange



Update 2009 – California's Blueprint Integrated Water Management & Sustainability

VISION

- Public Health, Safety, Quality of Life
- Vitality, Productivity, Economic Growth
- Healthy Ecosystem, Cultural Heritage

Foundational Actions for SUSTAINABLE WATER USES

- Use Water Efficiently
- Protect Water Quality
- Expand Environmental Stewardship

Initiatives for RELIABLE WATER SUPPLIES

- Implement Integrated Regional Water Management
- Improve Statewide Water and Flood Management Systems

Update 2009 Features



- Provides water community a framework & investment guide
→ Array of strategies to achieve multiple goals & benefits
- Integrates 2009 Comprehensive Water Legislation and State government companion plans, initiatives & strategies
→ Inform the 115+ near- and long-term actions
- Includes future scenarios to consider uncertainty, risk & resource sustainability into water & flood planning
→ Advocates greater value on sustainable outcomes than on water supply extraction

Update 2009 Features

- Advances strategies for Integrated Flood Management & Climate Change adaptation & mitigation
- Describes 27 resource management strategies to diversify regional water portfolios & increase regional self-sufficiency
- Outlines new data, analytical methods and tools for integrated water management
- Updates 12 regional reports with:
 - IRWM partnerships & planning
 - Water portfolios 1998 – 2005
 - Water quality conditions
 - Flood management
 - Future scenarios to 2050



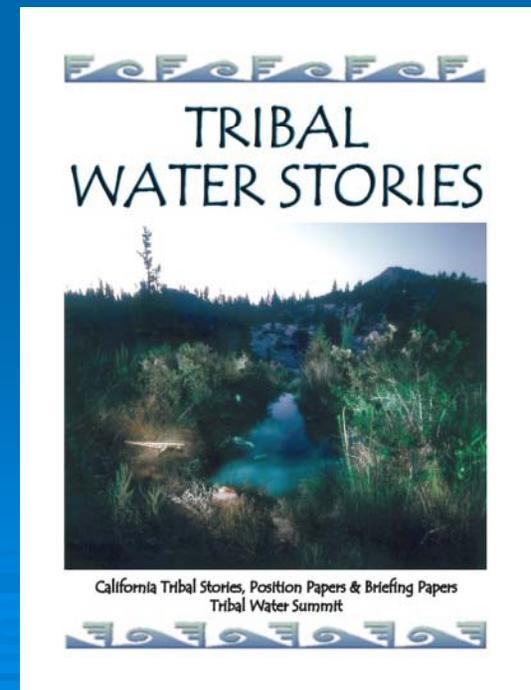
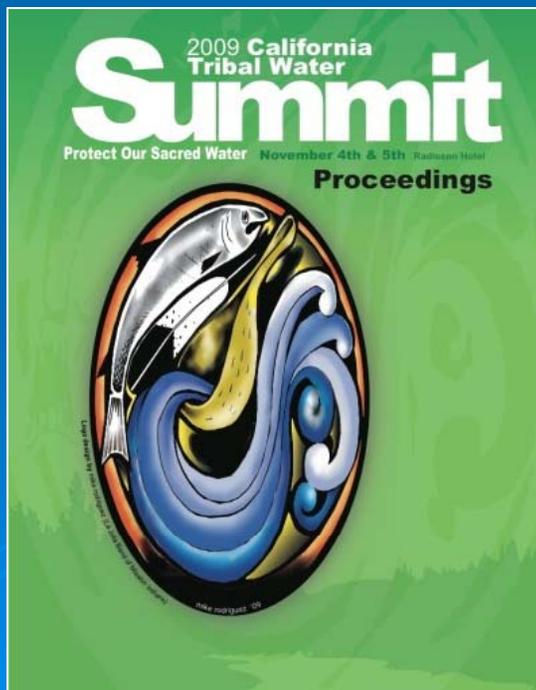
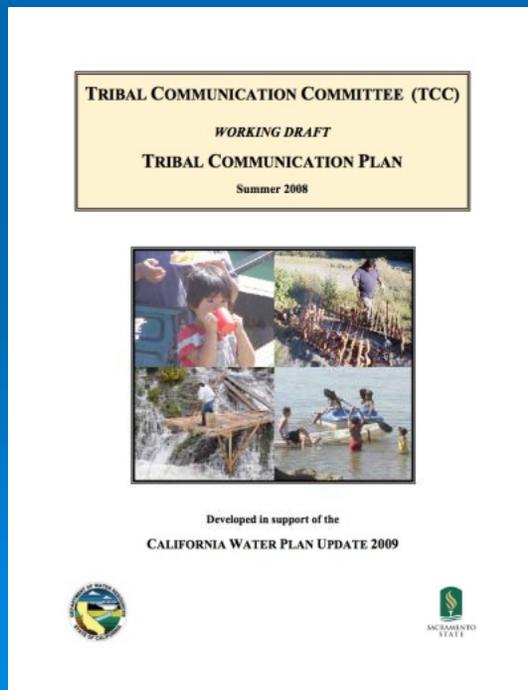
Chapter on Companion State Plans

- Presents role of 21 agencies on Update 2009 Steering Committee
- Features 23 State Plans
- Describes nexus of State Plans and Update 2009 objectives & management strategies



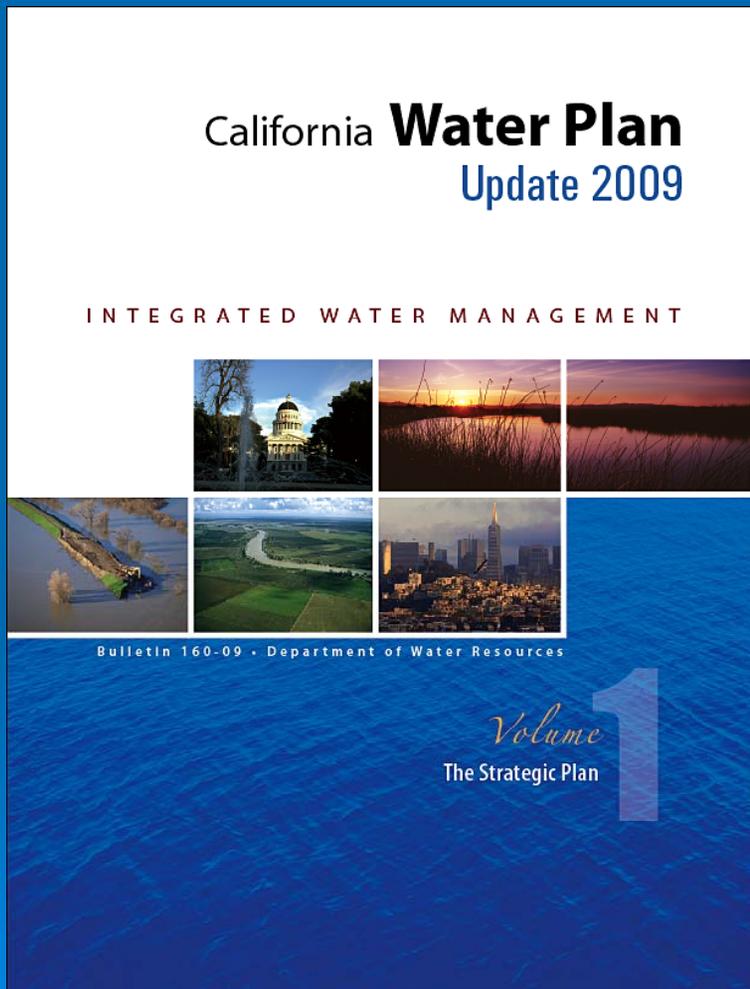
CA Native American Participation

- Developed Tribal Communications Plan
- Convened 2009 Tribal Water Summit
- Compiled Tribal Water Stories



Water Plan Update Organization

Get Your Copy Today !



- Water Plan Highlights
 - CD - Entire Water Plan
 - CD - Tribal Water Summit Proceedings
- Vol. 1 > The Strategic Plan
- Vol. 2 > 27 Resource Management Strategies
- Vol. 3 > 12 Regional Reports
- Vol. 4 > Reference Guide (120+ articles)
- Vol. 5 > Technical Guide (Online documentation)

13 Linked Objectives & 115+ Related Actions

1. Expand integrated regional water management
2. Use and reuse water more efficiently
3. Expand conjunctive management multiple supplies+storage
4. Protect surface and groundwater quality
5. Expand environmental stewardship
6. Practice integrated flood management
7. Manage a sustainable California Delta
8. Prepare prevention, response & recovery plans
9. Reduce energy consumption of water systems & uses
10. Improve data & analysis for decision-making
11. Invest in new water technology
12. Improve Tribal water & natural resources
13. Ensure equitable distribution of benefits

From Water
Legislation,
State Plans
& Initiatives

2009 Comprehensive Water Legislation

Integrated in Water Plan Actions



- Delta Governance
- Statewide Water Conservation
- Statewide Groundwater Monitoring
- Water Rights Enforcement
- \$11.1 Billion for Water Supply Reliability

Regional Strategies: Multiple Responses & Benefits

Regional Strategies:

Multiple Responses and Benefits

Regional partnerships in many parts of the state are successfully employing a mix of resource management strategies. Experience is showing that these regional efforts can better resolve regional needs, especially when paired with statewide water management systems.

With integrated regional water management, regions have been able to take advantage of opportunities that are not always available to individual water suppliers: reduce dependence on imported water and make better use of local supplies; enhance use of groundwater with greater ability to limit groundwater overdraft, increase supply reliability and security; and improve water quality. More is being done to meet water demands with water conservation, reoperation of facilities, water recycling, groundwater storage and management, transfer programs, and, in limited cases, regional or local surface storage reservoirs. Overall, this increased focus on integrated regional water management solves water management problems more efficiently, considers other resource issues, and enjoys broader public support.

Integrated Regional Water Management (IRWM) provides a critical framework for actions to address the uncertainties presented by climate change as well as other risks to California's water future. The extent to which regions have carried these out has been driven by considerations like economics, environment, engineering, and institutional feasibility. For more information on the IRWM Program, go to Web site: <http://www.water.ca.gov/irwm/>



See more about regional strategies in Volume 3 regional reports.



North Coast

- Araujo Dam Restoration Project
- Newell Water System Upper Mattole River Culvert Replacement
- Westport Water Tank



San Francisco Bay

- Mocho Groundwater Demineralization Plant
- Water Saving Hero Campaign



South Coast

- #### Los Angeles
- Calleguas Regional Salinity Management Project
 - Arundo Removal
 - Las Virgenes Creek Restoration
 - Joint Water Pollution Control Plant Marshland Enhancement (Bixby Marshland)
- #### Santa Ana
- Arlington Desalter
 - Orange County Groundwater Replenishment System
 - Solar Array at RP-5 Wastewater Treatment Plant



San Diego

- Tri-County Funding Area Coordinating Committee
- El Monte Valley Groundwater Recharge and River Restoration Project
- Carlsbad Desalination Project Local Conveyance
- Rancho California Water District Water Reclamation Project
- Santa Margarita Conjunctive Use Project



Sacramento River

- Red Clover Valley Restoration – Upper Feather River Watershed
- The Bear River Project: Reducing Legacy Mercury Contamination



San Joaquin River

- Yosemite Spring Park Utility Company Improvements



Central Coast

- Groundwater Recharge Enhancement
- City of Watsonville Recycled Water Facility and Pajaro Valley Water Management Agency Coastal Distribution System
- Salinas Valley Water Project
- Santa Maria Wastewater Treatment Plant Expansion
- Los Osos Wastewater Project



North & South Lahontan

- Inyo-Mono Integrated Regional Water Management Project
- Upper Amargosa Creek Recharge and Nature Park Project
- Antelope Valley Regional Recycled Water Project



Colorado River

- Coachella Valley Regional Water Management Group potential projects include water conservation, recycling, conjunctive use and water quality improvements.
- Salton Sea restoration partnership
- Coachella Lining Project
- All-American Canal Project

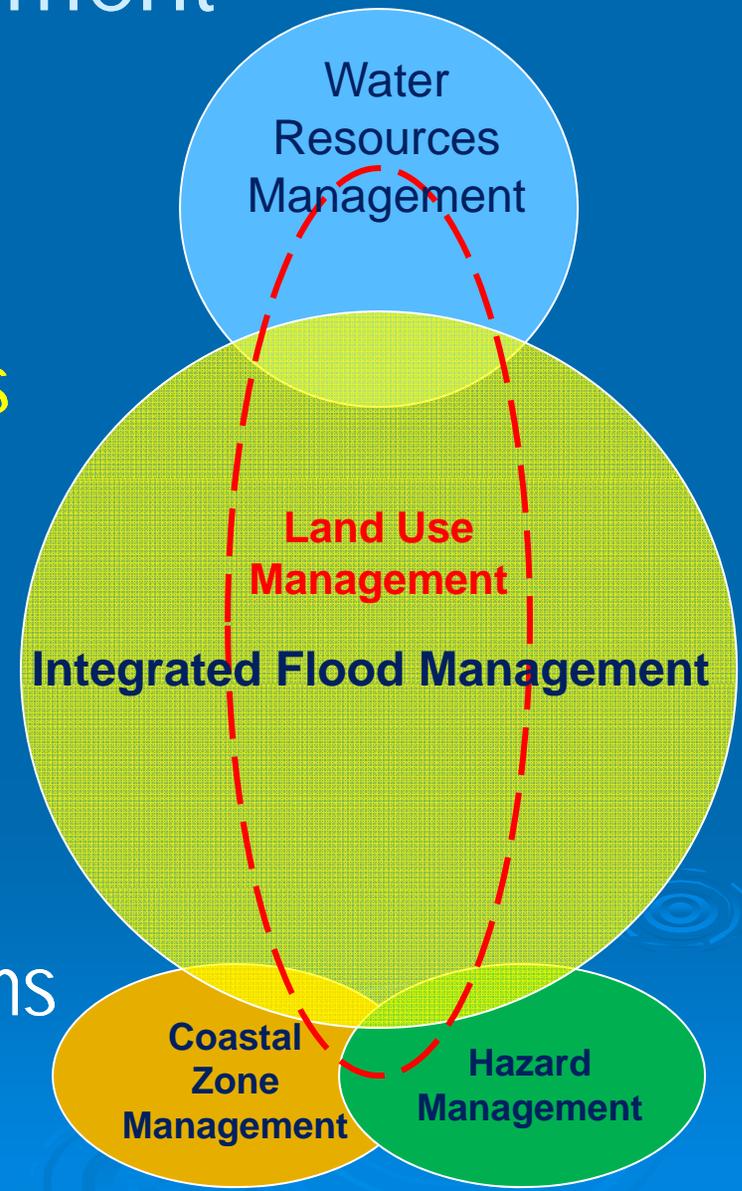


Tulare Lake

- Southern Sierra IRWM Effort
- Alta Irrigation District Harder Pond recharge and banking project

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
- Use IRWM to coordinate land use planning with water supply, quality, flood management, and climate adaptation
- State Government provides technical assistance and financial incentives
- Improve coordination among State agencies and with IRWM Partnerships

2010 Drought Contingency Plan Coming

Part of the CA Water Plan Objective 8



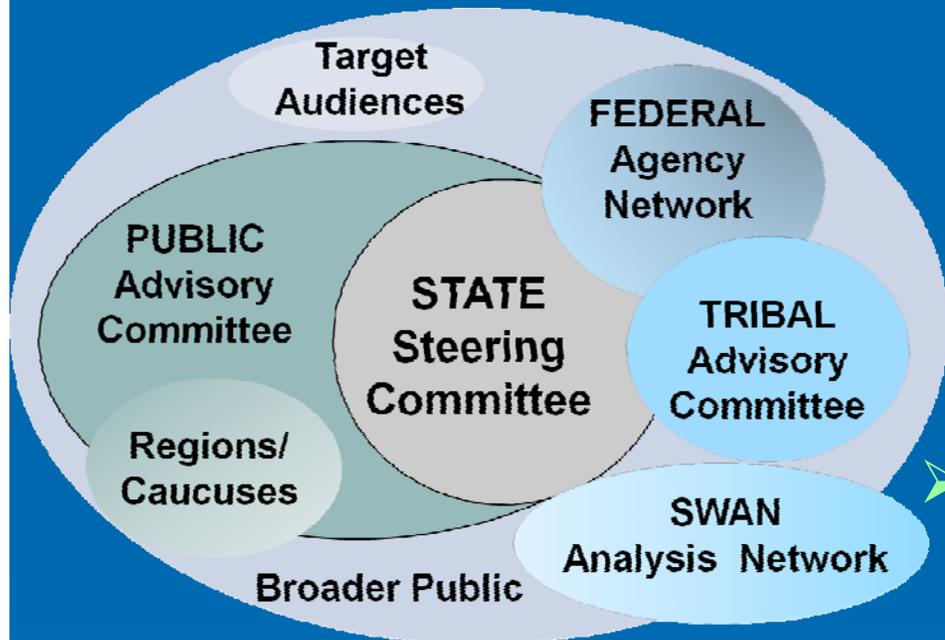
➤ Recommends Drought Actions

- Before --- Preparing for
- During --- Responding to
- After --- Recovering from

➤ Provides Interagency coordination framework

➤ Promotes efficient & effective resource use

Today Preparing for Update 2013



➤ 18 Content Enhancements

- Integrated Water Management
- Regional Planning
- Collaboration
- Data, Metrics & Analysis
- Adaptive Management

➤ Process Improvements

- *Expand* State Steering Comm.
- *Mod* Public Advisory Committee
- *Add* Tribal Advisory Committee
- *Add* Federal Agency Network
- *Add* Regional Forums
- *More* Topic Caucuses
- *Cont* SWAN Analysis Network