Topics

- What is the California Water Plan?
  - And what it’s not

- What is different about CWP Update 2005?
  - How Tribal water was considered

- How is Update 2009 changing?
  - Increasing Tribal participation & input

- What are some next steps?
  - Key activities and work plan
California Water Plan
Overview
The California Water Plan

- First published in 1957 as Bulletin 3
- Updated 8 times (Bulletin 160); last one in 2005
- DWR required by law (Water Code) to update the Water Plan every 5 years; next one in 2009
- Growing interest by Legislature and stakeholders; a part of Governor’s Strategic Growth Initiative
- Tribal water is explicitly considered in Update 2005
What is the CA Water Plan?

- **A Framework for California Water Policy**
  - A long-range strategic plan
  - Recommends policy & technical changes
  - Guides the investment of public funds

- **A Resource for Water Community**
  - Quantifies current supplies and water uses
  - Examines future scenarios -- key trends & uncertainties
  - Advances Resource Management Strategies for regional and statewide water planning and management
  - Develops analytical tools and methods for sustainable resource management
Important Footnotes

- No mandates
- No spending authorization for implementation
- Recommendations are not project or site specific
- No CEQA process
- Action needed by the Governor, Legislature or Ballot Initiatives to implement recommendations
Update 2005
Overview
Director’s Message

“This is not just another update of the California Water Plan. Update 2005 represents a fundamental transition in how we look at water resource management in California. It also represents a fundamental transition in the way state government needs to be involved with local entities and interest groups to deal with water issues in the state.”

Lester Snow
April 14, 2005
California Water Plan Update 2005

- New model for water management – portfolio approach:
  - Integrated Regional Water Management (aka IRWM)
  - Manage for Risk, Uncertainty & Sustainability

- New role for State government
  - Manage statewide systems
  - Support IRWM with technical assistance & funding

- A Strategic Plan
  - Goals, recommendations & actions
  - Ensure sustainable water use and reliable supplies in the face of uncertainty
New Process

- **Open & transparent public process**

- **Collaborative recommendations**
  - 65 on Advisory Committee
  - 350 in Extended Review Forum
  - 2000 Participants

- **A strategic plan**

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Number</th>
<th>Person Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advisory committee</td>
<td>43</td>
<td>12,681</td>
</tr>
<tr>
<td>Extended review forum &amp; organizational briefings</td>
<td>43</td>
<td>1,558</td>
</tr>
<tr>
<td>Workshops</td>
<td>43</td>
<td>3,161</td>
</tr>
<tr>
<td>2005 Public comment workshops</td>
<td>15</td>
<td>1,512</td>
</tr>
<tr>
<td>Work groups</td>
<td>62</td>
<td>4,271</td>
</tr>
<tr>
<td>Tribal outreach</td>
<td>7</td>
<td>69</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td>197</td>
<td><strong>23,252</strong></td>
</tr>
</tbody>
</table>
Water Plan Update Organization

- Introductory Video (8-minutes)
- Water Plan Highlights (with CD & DVD)
- Vol. 1 > Strategic Plan
- Vol. 2 > 25 Resource Management Strategies
- Vol. 3 > 12 Regional Reports
- Vol. 4 > Reference Guide (60+ online articles)
- Vol. 5 > Technical Guide (Online documentation)
Comprehensive Framework for Action
Sustainable & Reliable Water in 2030

Vision

2 Initiatives
Ensure Reliable Water Supplies

3 Foundational Actions
Ensure Sustainable Water Uses

Vital Economy
Healthy Environment
High Standard of Living

Implement Integrated Regional Water Management

Improve Statewide Water Management Systems

Use Water Efficiently

Protect Water Quality

Support Environmental Stewardship

Vision
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
- Urban Runoff Management

Practice Resource Stewardship
- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants, and Water Pricing)
- Ecosystem Restoration
- Floodplain Management
- Recharge Areas Protection
- Urban Land Use Management
- Water-Dependent Recreation
- Watershed Management
Linking the California Water Plan & IRWM Implementation

IRWM Program
- Define IRWM guidelines & criteria
- Develop standards for IRWM plans
- Assist regions in plan development

Regional Planning Partnerships
- Evaluate grant proposals
- Award State funding
- Oversee implementation

California Water Plan Update
- Set State water policy and priorities
- Statewide & regional conditions
- Future Scenarios
- Data and tools for water community

IRWM Grants
- Set Regional objectives & solutions
- Inform Water Plan on regional status
- Participate in IRWM Program
- Apply for State funding
Recommendation 13

----

Increase Tribal Participation & Access to Funding
Recommendation 13

DWR and other State agencies should invite, encourage, and assist tribal government representatives to participate in statewide, regional & local water planning processes, and to access State funding for water projects.
Recommendation 13
Action Plan

- Engage tribes at all stages of water planning
- Identify and evaluate tribal water concerns
- Work cooperatively to ensure potable water supply
- Assess water quality for intended uses
- Discuss tribal water rights
- Reinstate water source and sewage disposal questions to US Census
Update 2009
Process Guide
California Water Plan Update 2009
Process Guide

Public
- Advisory Committee
  - Communities of Interest
  - Statewide Organizations
- Regional Forum & Workshops
  - Communities of Place
  - Local Agencies & Governments
- Extended Review Forum
  - Interested Public

Govt-to-Govt Collaboration
- Water Plan Steering Committee
  - State Agencies
- Coordination
  - Federal Agencies
- Consultation
  - Tribal Governments

< Plenary >
Everyone

DWR & Other State Agencies
- Multi-Disciplinary Project Team
  - Work Teams
    - Analytical Tools & Data
    - Communications Planning
    - Environmental Water Facilitation
    - Integrated Flood Management
    - Land & Water Use Resource Management Strategies
    - Water Supply & Balance
    - Water Quality
- Regional Leads
  - State staff working with Regional Efforts
  - Regional Reports

Statewide Water Analysis Network (SWAN)
- Scientists & Engineers
- Information Exchange & Data Integration
- Climate Change
- Shared Analytical Tools & Methods
Steering Committee Members
19 State Agencies

- Boating & Waterways
- Business, Transportation & Housing
- Cal-Environmental Protection
- CALFED Bay-Delta Program
- California Energy Commission
- California Public Utilities Commission
- Conservation
- Fish & Game
- Food & Agriculture
- Forestry & Fire Protection
- Health Services
- Parks & Recreation
- Office of Emergency Services
- Office of Planning & Research
- Native American Heritage Commission
- Resources
- State Lands Commission
- Water Boards
- Water Resources
Tribal Consultation & Participation
Governments, Organizations & Communities

- **Summer 2007** - informed California Tribes of Update 2009 launch & invited Tribes to participate

- **Oct 2007** - convened **Tribal Communication Committee** to prepare a Communication Plan for improving Tribal participation and input -- TCC has met 4 times

- **Jan. 2008** - holding a **Tribal Water Plenary** to introduce Update 2009 & identify Tribal water issues

- **2008 & 09** - implement the **TCC’s Communication Plan**

- **Mid-2009** – high-level **California Tribal Water Summit** & include Summit Proceedings in Update 2009
California Water Plan Update 2009
Process Guide

Public
- Advisory Committee
  - Communities of Interest
  - Statewide Organizations

- Regional Forum & Workshops
  - Communities of Place
  - Local Agencies & Governments

- Extended Review Forum
  - Interested Public

Govt-to-Govt Collaboration
- Water Plan Steering Committee
  - State Agencies

- Coordination
  - Federal Agencies

- Consultation
  - Tribal Governments

< Plenary >
Everyone

DWR & Other State Agencies
- Multi-Disciplinary Project Team
  - Work Teams
    - Analytical Tools & Data
    - Communications Planning
    - Environmental Water Facilitation
    - Integrated Flood Management
    - Land & Water Use Resource Management
    - Strategies
    - Water Supply & Balance
    - Water Quality

- Regional Leads
  - State staff working with Regional Efforts
  - Regional Reports

Statewide Water Analysis Network (SWAN)
- Scientists & Engineers
  - Information Exchange & Data Integration
  - Climate Change
  - Shared Analytical Tools & Methods
Advisory Committee Members

Statewide Organizations – Communities of Interest

** Specified in Water Code

- Business **
- Citizen Organizations
- Energy & Water Consumer Advocates
- Environment **
  & Public Trust
- Environmental Justice
- Flood Management
- Local Government **
  & Land Use Planning
- Production Agriculture **
- Recreation
- Tribal Organizations
- Water Efficiency
- Water Quality & Public Health
- Water Suppliers **
  – Agricultural & Urban
- Watershed Management
Regional Workshops & Forums
Local Agencies & Govts. – Communities of Place

In each region:

- Regionally-based Water Collaboratives
- IRWM Planning Partnerships
- Local Governments, Agencies & Organizations
- Tribal Governments, Communities & Organizations
- State Commissions & Conservancies
- Regional Offices of State & Federal Agencies
Next Steps
------
Key Activities
& Work Plan
8 Key Activities of Update 2009

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
7. Improve Analytical Tools, Data & Data Exchange
8. Incorporate Companion State Plans

We need to incorporate Tribal perspectives, issues & information
1. Evaluate Progress on Update 2005 & Revise the Strategic Plan Elements

- Vision
- Mission
- Goals
- Recommendations
- Implementation Plan
2. Update the Future Scenarios & Develop Response Packages

- Develop Future Scenarios
  - “Current Trends”
  - “Optimistic Outlook”
  - “Challenging Conditions”

- Examine Response Packages
  - Different combinations of actions selected from the 25 (28) resource management strategies

- Reduce Water Demand
- Improve Operational Efficiency & Transfers
- Increase Water Supply
- Improve Water Quality
- Resource Stewardship
- Improve Flood Mgmt
3. Quantify Climate Change Impacts & Recommend Adaptation Actions

What risks does climate change pose for the management of California’s water resources?
4. Update & Expand 12 Regional Reports

- Build on Update 2005 reports
- Engage regional water planning efforts
- Utilize integrated regional water management plans
- Include regional scenarios and strategies
- Add Tribal perspectives
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
- Urban Runoff Management

**Practice Resource Stewardship**
- Agricultural Lands Stewardship
- Economic Incentives (Loans, Grants, and Water Pricing)
- Ecosystem Restoration
- Floodplain Management
- Recharge Areas Protection
- Urban Land Use Management
- Water-Dependent Recreation
- Watershed Management
Add a New Category of Strategies
“Improve Flood Management”

Working on New Strategies for Integrated Flood Management

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

*Floodplain management* is included in these strategies

- Water Portfolios
  - Describe hydrologic cycle and historical water conditions with over 80 data categories for water uses, supplies & water quality
  - Need to quantify tribal water resources
7. Improve Analytical Tools, Data & Data Exchange

Goals

- Promote Collaboration
- Facilitate Information Exchange
- Improve Numbers
8. Incorporate Companion State Government Plans

- Water Boards Basin Plans
- FloodSafe Strategic Plan
- Delta Vision & Strategic Plan
- CPUC Water Action Plan
- And many other plans
Documents & Meeting Schedule
Mandated Documents & Due Dates

- **Jan. 2008** – *Just Released !!*
  Draft Assumptions & Estimates Report

- **Dec. 2008** –
  Public Review Draft
  Final A&E Report

- **Dec. 2009** –
  Final Water Plan
Meeting Schedule for 2007 - 2009

- 9 Advisory Committee Meetings
- 25 - 30 Regional Workshops
- 3 All-Regions Forums
- 10 - 15 SWAN Workshops
- Topical Workshops (as needed)
- 4 Plenary Summits (Everyone)
- 15 – 20 Steering Committee Mtgs
- Tribal Consultation Meetings
- Federal Coordination Meetings
Questions?