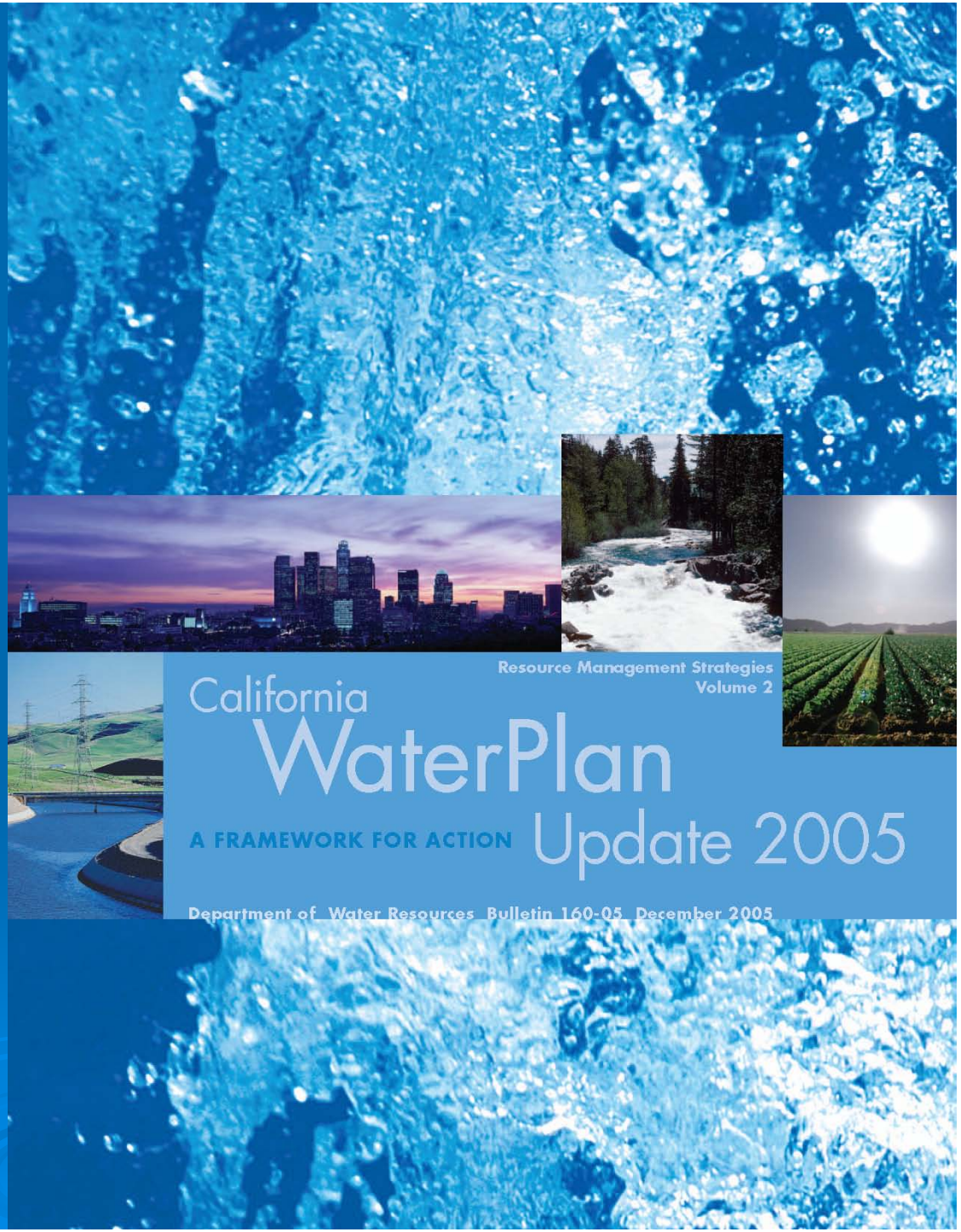
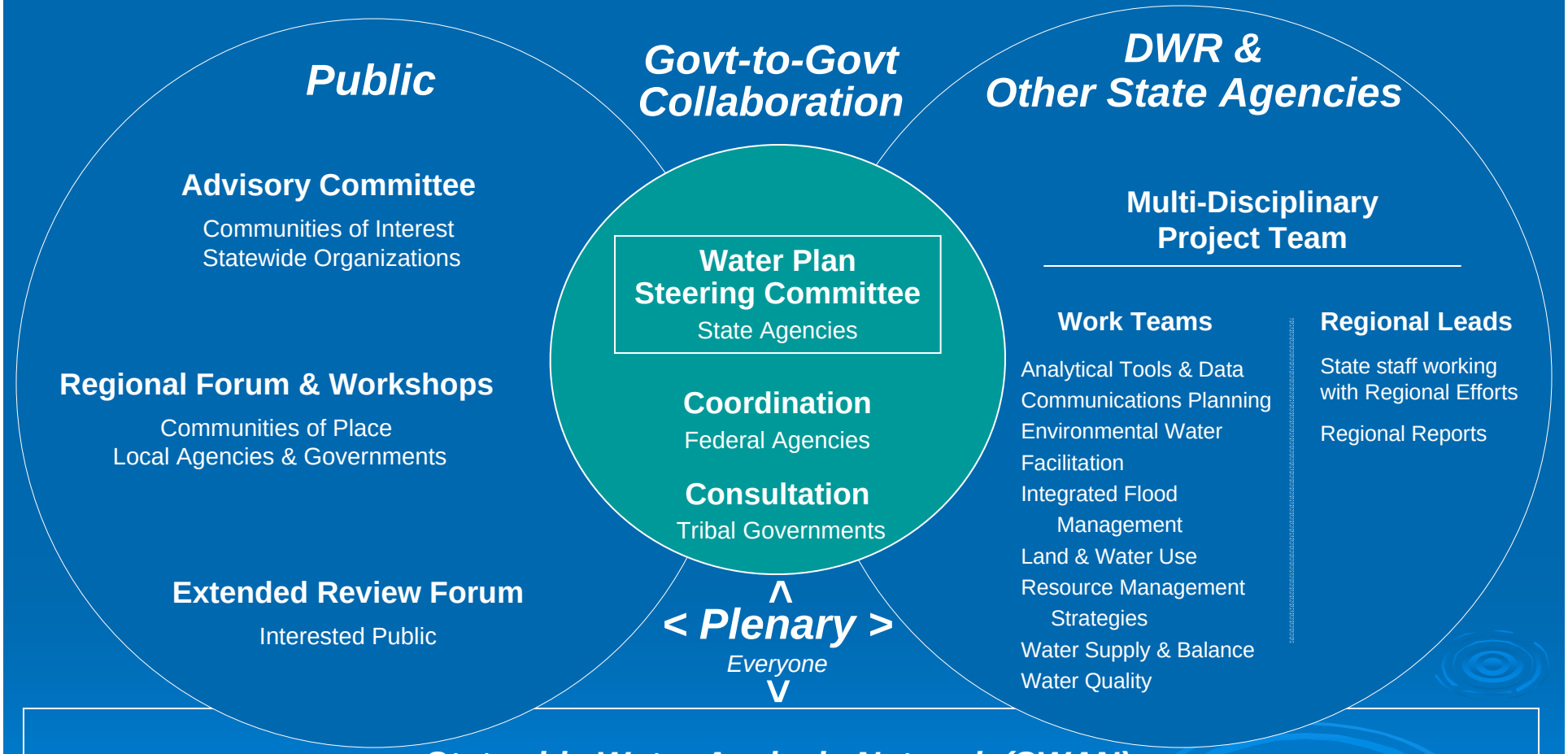
California Water Plan Update 2009

Where We've Been
Where We Are Going

All-Regions Forum
June 2-3, 2008



California Water Plan Update 2009
Process Guide



Statewide Water Analysis Network (SWAN)

Scientists & Engineers

Information Exchange & Data Integration | **Climate Change** | **Shared Analytical Tools & Methods**

14-Month Collaboration Statistics

Mar 2007 - May 2008

Comparison

Update 2005

23,300 person-hours in 60 months

Update 2009

12955 person-hours* in 14 months

Statistic

56% of collaboration in 23% of the time

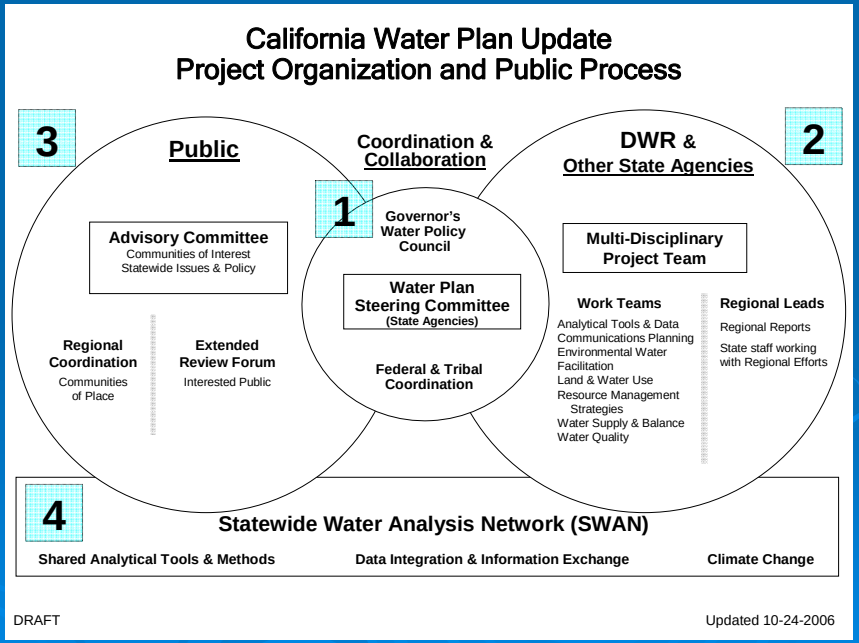
*** Not including briefings**

Meeting	Number	Person Hours
Steering Committee	10	1017
Advisory Committee	4	2897
Regional Workshops	18	4305
All-Regions Forum	1	1040
Plenary	1	1200
SWAN Workshops	5	1060
Scenarios Workshop	1	90
Climate Change TAG	1	360
Tribal Communications Committee	7	490
Tribal Water Plenary	1	496
Totals	**49**	**12955**

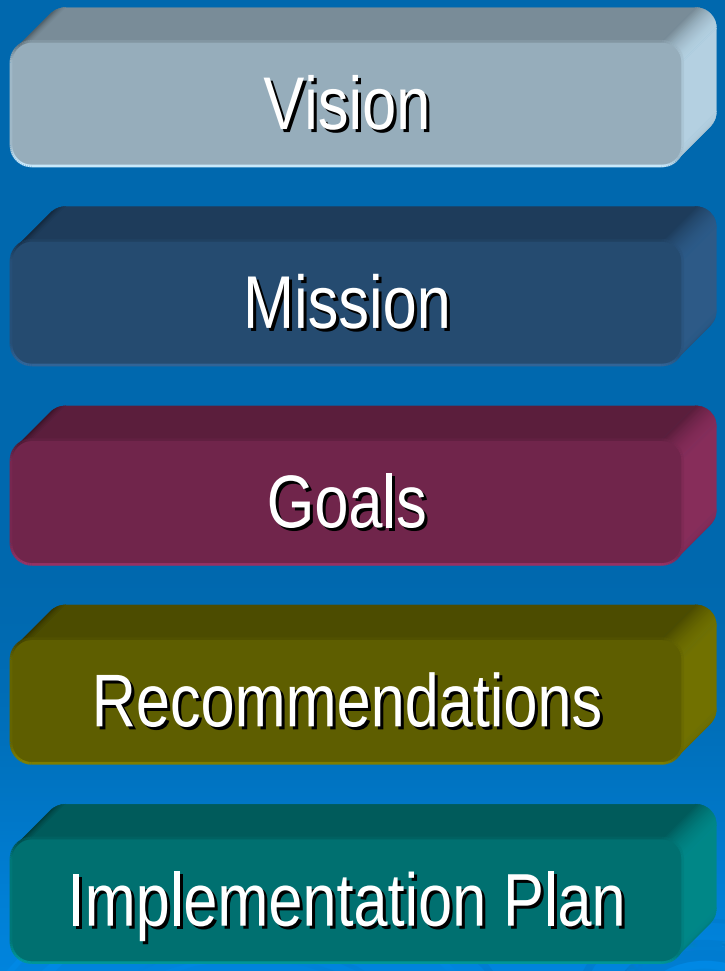
Key Activities & Work Plan

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
6. Add Water Portfolio data for 5 years: 1999, 2002 – 2005
7. Improve Analytical Tools, Data & Data Exchange
8. Incorporate Companion State Plans



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



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 29 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 & Recommending 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

- 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
- Recharge Areas Protection
- 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

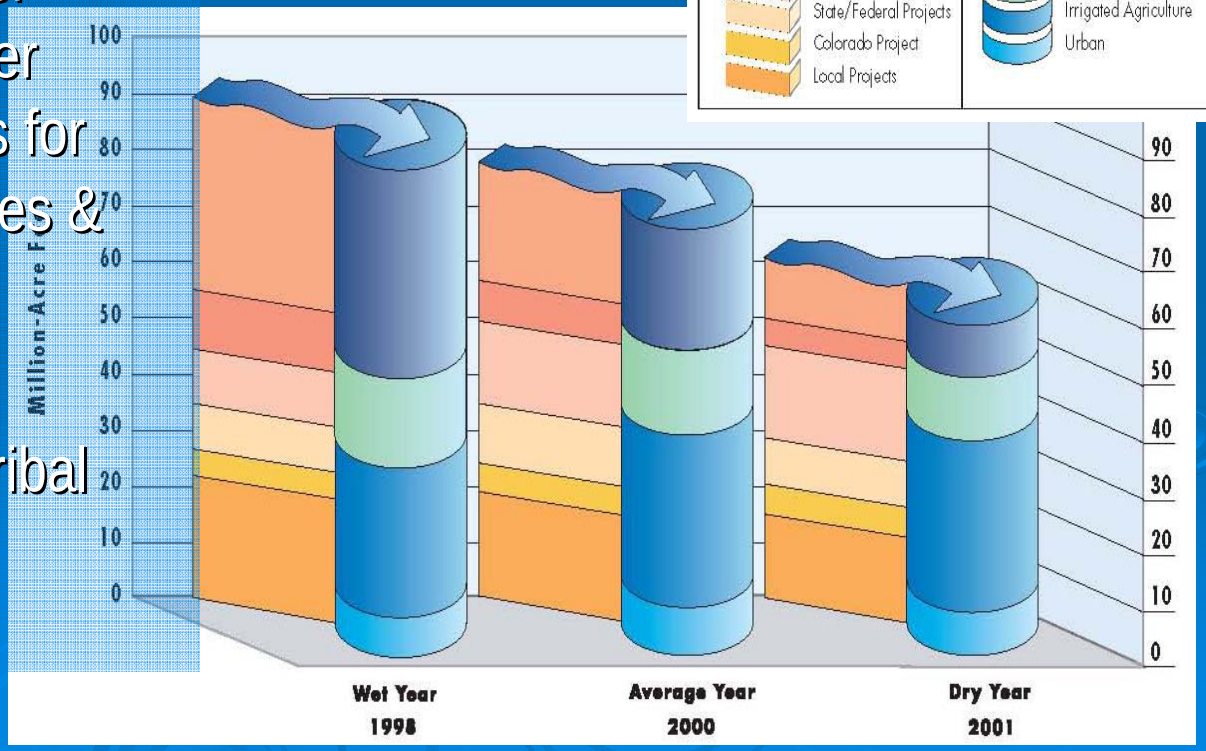
** Floodplain Management is merged into these strategies

6. Add Water Portfolio Data for 5 years: 1999, 2002 – 2005

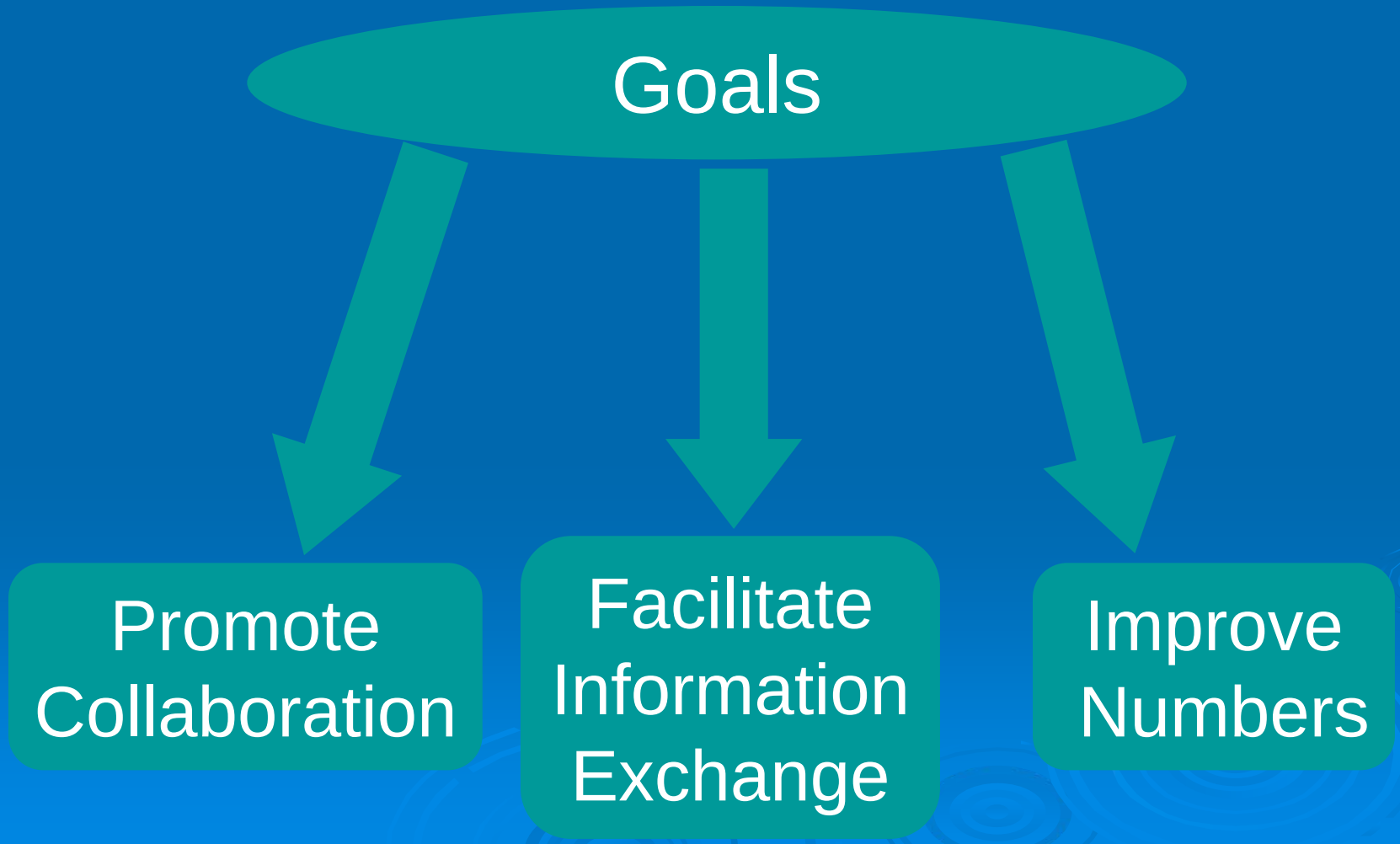
Water Portfolios

- 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

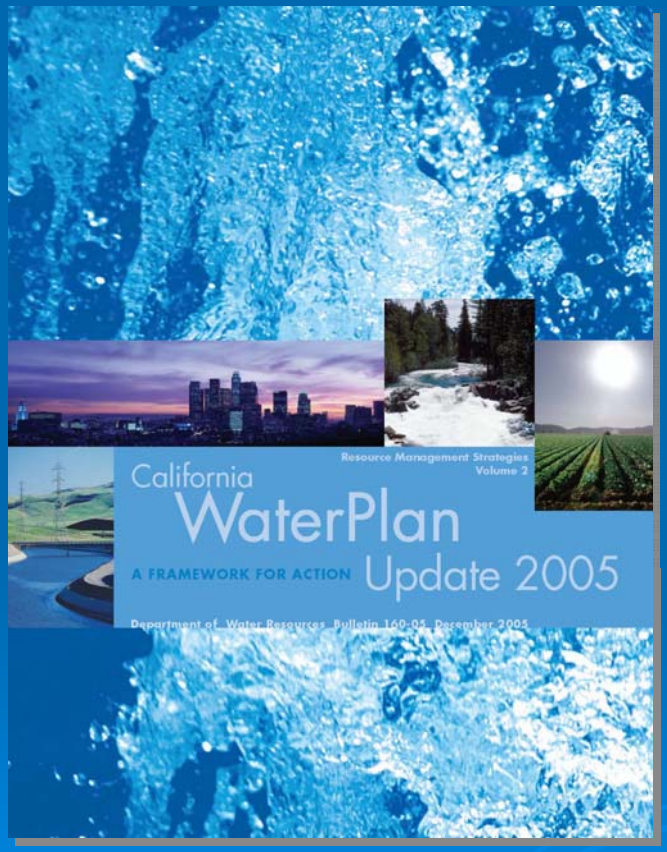


8. Incorporating Companion State Government Plans

- 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

Documents
&
Meeting Schedule

Mandated Documents & Due Dates



- Jan. 2008
  Draft Assumptions & Estimates Report
- Dec. 2008 –
  Public Review Draft
  Final A&E Report
- Dec. 2009 –
  Final Water Plan

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