

Recommendation 1

Diversify Regional Water Portfolios

To improve California's economy, environment, and standard of living, California must invest in:

- (a) **Reliable, high quality, sustainable, and affordable water conservation, and**
- (b) **Efficient water management, and**
- (c) **Development of water supplies to protect public health**

ACTION PLAN

Invest:

- Regions invest in **water conservation, efficient water management, and development** of reliable, high quality, sustainable and affordable water supplies.
- The State should provide public funding for **implementing local strategies** that have broad public benefits.
- DWR will use its technical and financial assistance programs (including Proposition 50 funded programs) to effectively and equitably **support planning and implementation of local and regional** water use efficiency, water recycling, groundwater storage and management, ecosystem restoration, urban streams, flood management, and related planning efforts.

Diversify:

- Local and regional planners diversify and increase the **resource management strategies** in their integrated regional water management plans.

Assist:

- DWR will continue to promote **implementation of recommendations from California's Groundwater Update 2003** (DWR Bulletin 118-03) to improve groundwater management and work with local agencies to develop guidelines to reduce overdraft.
- DWR will work with local agencies and private utilities to **overcome constraints to implement recycling and desalination projects.**

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Use and manage its existing water supplies efficiently

Implement new technologies to further water conservation and recycling, augment supplies, and improve water quality

Increase water storage and improve conveyance to gain flexibility and complement the benefits of other water management tools

Reduce and eliminate groundwater overdraft

Improve watershed management, restore ecosystems and promote stewardship of resources

Make significant and continuous investments for integrated regional water management, more public and private partnerships, project implementation, and better data and analytical tools

Current Status

- Development of Regional Outreach
- Distribution of Proposition 50 bond funds
- Approval of Proposition 1E bond funds for rebuilding Delta levees and system-wide flood control
- Approval of Proposition 84 bond funds
- In February or March 2007, State Food and Ag Board held a hearing “Is CA Ready for the Next Drought”, which included testimony from states major agricultural and urban water agencies
- Completion and expansion of existing and proposed IRWMP’s
- DWR Proposition 50 - round 2 of grant funding program now underway
- In FY 2007-08, will develop programs to administer new funds under new Propositions 1E and Proposition 84
- DWR sponsors programs, provides information and technical assistance to agencies
- AB303 Groundwater management assistance and studies to public agencies
- CPUC has a proceeding to determine best policies for encouraging water conservation by water Investor Owned Utilities (IOU’s)
- Initiated discussions with SWRCB
- SWRCB developing statewide water recycling policy
- SWRCB is developing a once through cooling policy to address intakes’ environmental effects of power plants and desalination plants.

Recommendation 2

Promote and Practice Integrated Regional Water Management

State government must provide incentives and assist regional and local agencies and governments and private utilities to prepare integrated resource and drought contingency plans on a watershed basis; to diversify their regional resource management strategies; and to empower them to implement their plans.

ACTION PLAN

Assist:

Regional efforts should incorporate integrated resource planning to meet multiple water management objectives consistent with the principles advanced in this water plan.

Regional entities in evaluating the best ways to meet their groundwater and surface storage needs and the possible means of sharing storage capacity among regions.

Improve coordination between land use planning and water planning and management to ensure that new infrastructure has adequate water supply and that land uses are protective of water quality.

Develop guidelines for technical and financial assistance and templates for integrated regional water management plans, urban and agricultural water management plans, and drought contingency plans.

Improvements to water use efficiency by implementing actions under the California Urban Water Conservation Council, “Memorandum of Understanding Regarding Urban Water Conservation in California” and the Agricultural Water Management Council, “Memorandum of Understanding”.

Identify priorities for ecosystem restoration by supporting development and use of statewide natural resource databases, analytical tools, and evaluation criteria and provide information to planners and decision-makers.

Develop the necessary tools for successful integrated regional water management and planning and will monitor the development and implementation of these plans to ensure an equitable distribution of technical and financial assistance in planning efforts. Data from these plans can be integrated into future California water plan updates.

Incentives:

Give preference to applicants of Proposition 50, Chapter 8 grants who have plans that apply DWR and State Water Resource Control Board (SWRCB) grant program guidelines .

Provide incentives and technical assistance to regional and local agencies and governments to prepare comprehensive, integrated water management plans that include actions to protect public trust resources and promote efficient, beneficial water use.

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Recognize the critical role regional efforts must play in California water planning and management including the need for:

- Integrated resources planning across jurisdictional boundaries as regionally-based efforts,
- More closely coordinated water planning with land use planning and urban development.

Should assist cities, counties, local water agencies and private utilities to:

- Prepare urban and agricultural water management plans,
- Prepare watershed and groundwater management plans,
- Prepare a Water Element for local General Plans,
- Implement existing legislation and State policies to improve coordination between water and land use planning.

Current Status

- Prop 84 requires consideration of all 25 Resource Management Strategies.
- CPUC's Division of Ratepayer Advocates (DRA) and Cal Am Water with other organizations are developing an IRWM Plan in Monterey Watershed. (Ted H)
- Prop 84 gives preference for effective integration water management with land use planning
- Discussions ongoing with OPR regarding General Plan Guidelines
- CA Supreme Court "Vineyards" Decision strengthened linkage between land and water use.
- Mandated for IRWM funding and Prop 1E stormwater funding, preference for WUE funding. Program guidelines to be updated to address requirements of Prop 84
- IRWM Plan guidelines and standards have been developed and are being updated. UWM plan standard and guidance is available.
- SWAN is working to establish data exchange standards and metadata.

Recommendation 3

Remediate Surface Water and Groundwater Contaminants

State government must lead an effort with local agencies and governments to remediate the causes and effects of contaminants on surface water and groundwater quality.

ACTION PLAN

Assist:

- **Resolve long-standing water quality issues in the state**, such as Delta salinity, dissolved oxygen in San Joaquin River (SJR) near Stockton, salinity at Vernalis, and ecosystem restoration flow needs, extending from the Klamath River in the north to Salton Sea in the south.
- **Develop a coordinated process** with State Federal and local agencies to monitor, evaluate, prevent, mitigate, and treat the effects of contaminants on surface water and groundwater quality. DWR could participate by sharing data, coordinating data collection efforts, identifying problem watersheds and aquifers, and conducting analysis of surface water and groundwater flow and transport of contaminants.

Study:

- **SWP will complete feasibility studies** and recommendations for re-operation of the Delta Cross Channel and the Through-Delta Facility in 2005 and feasibility studies for Franks Tract Improvements in 2006.

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Inventory, evaluate, and examine the effect of contaminants on public health, long-term sustainability of water resources and treatment costs,

Identify cost-effective ways and propose management strategies to improve water quality.

Adopt preventive programs that integrate source water protection, pollution prevention, matching water quality to use, and water treatment and distribution in order to safeguard water quality for all beneficial uses.

Current Status

- Revised Water Quality Control Plan (Nov 29, 2006 by SWRCB)
- Salinity Workshop (SWRCB Jan 16 & 19 2007)
- Salton Sea – Secretary of Resources Mike Chrisman expected to release recommendation soon. Senate's natural resources and water committee discussing bill recognizing the importance of saving the dying lake and creating a fund for the project.
- Dissolved Oxygen on the SJR near Stockton – San Joaquin River Dissolved Oxygen Technical Working Group has outlined actions to address the issues and continues to monitor and assess the conditions. See <http://www.sjrdotmdl.org/background.html>
- Klamath River -Interior Department and NOAA issued decision January 30, 2006 that as a necessary condition for obtaining a new federal license, PacifiCorp must build fish ladders and other fish-passage devices at each of the dams on the Klamath. PacifiCorp is evaluating options and the associated costs and risks.
- Water Boards Instream Flow Policy – Public Scoping meeting held August 16, 2006. Final Draft Substitute Environmental Document and Final Draft Policy for potential adoption by Water Board in Fall 2007.
- Water Boards have initiated CEQA analysis of proposed Wetland and Riparian Area Protection Policy (April 2007) this policy could address ecosystem restoration flow needs.
- DWR Key sponsor in Delta Vision Initiative
- Pacific Institute Study – Delta Salinity: Higher salinity may be “normal” and may help resolve invasive species.
- IFDM Program at San Joaquin District (Fresno)
- Water Plan Water Quality work team initiated. Water Plan Steering Committee briefed on new work team and invitations for team members extended to all SC member agencies. Next steps; team formation meeting, prioritizing issues to be addressed, preparing team work plan.
- CDFA/UC Conference just completed on the Science & Science gogss? Re: Food Safty (E-coli) and Water Quality (K Trott, CDFA 651-9445)
- CDFA is leading effort to assist dairy industry I.D. Air and Water Quality research needs related to dairy agriculture (K. Trott)
- SWRCB's GAMA and SWAMP for data sharing.
- Franks Tract Project – Flooded island FS/Recon Studies, January 2006. Final Feasibility EIR/EIS, October 2007
- Delta Cross Channel reoperation recommendation report expected July 2008
- Through-Delta Facility recommendation report expected November 2008
- DHS- CPUC-DWR-SWRCB Quarterly meeting to coordinate on Water Quality Policies.

- CPUC has and order instituting rulemaking (OIR) to determine proper level of CPUC involvement in WQ regulation of water IOU's.
- CPUC considering hiring a Water Quality consultant to testify in CPUC proceedings for water IOU's.

Recommendation 4

Improve Aging Water Infrastructure

California must maintain, rehabilitate and improve its aging water infrastructure, especially drinking water and sewage treatment facilities, operated by State, federal, and local entities.

ACTION PLAN

Plan:

- **Develop and carry out a comprehensive flood management plan.** DWR has prepared a White Paper that addresses the need for an aggressive investment in the State's flood management system (DWR 2005).
- **Identify physical and operational constraints** in statewide water management systems, and to find ways to improve operational efficiencies and supply reliability using regional water planning efforts
- **For replacement and/or rehabilitation** those portions of the SWP that are reaching the end of their design life in 2006.
- **Inventory the current extent of unmet infrastructure and maintenance work**, estimate the potential costs, and develop a strategy for funding the needed work, such as loans and grant programs.

Study:

- **SWP will complete feasibility studies** and recommendations for re-operation of the Delta Cross Channel and the Through-Delta Facility in 2005 and feasibility studies for Franks Tract Improvements in 2006.

Operate and Maintain:

- **The SWP**, DWR will:
 - Establish and maintain a risk-based management process that integrates SWP operations, energy, and maintenance. This program addresses the 16 strategic initiatives identified in the Future Operations Migration Strategy to be completed by 2009.
 - Improve fiscal information reporting for the State Water Project in 2005.
 - Obtain a new FERC License for Oroville Facilities by January 31, 2007.

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Lead an effort to identify and prioritize water infrastructure maintenance of key components with regional or statewide significance.

- Improvements may include refinements in the way water systems are operated, additional conveyance capacity, and new water storage.
- This effort should also identify and implement financing strategies for continued public investments in the resulting infrastructure maintenance plan.

Current Status

- Staff has developed the floodSAFE California program. Currently requesting proposals for early funding and floodway corridor programs.
- State is developing the State Plan of Flood Control to evaluate the conditions of State-federal levees. This will include the SWP levees.
- See PowerPoint presentation *floodSAFE Workshops 3-8-07 FINAL* on \\rio\share\Portfolio\Flood_Presentation
- FY 2007-08 funding for planning and levee evaluations is \$26 million.
 - Delta Risk Management Strategy - Report is due to the Legislature no later than January 1, 2008
 - CPUC considering having water IOU's better utilize comprehensive asset management. Also considering distribution system improvement change to accelerate new infrastructure investment recovery. .
 - CPUC is considering alternative financing tools for water IOU's
- CPUC is lowering the allowance for "unaccounted water" in accordance with new CVWCC BMP.
- The California Water Plan will be coordinated with the State Plan of Flood Control and the California Flood Plan. The Regional Flood Management Plans will be developed in coordination with the Integrated Water Management Plans and Statewide plans
- DWR's promotion of conjunctive use of groundwater and surface water can in some locations prevent subsidence and consequent damage to water delivery infrastructure.

Recommendation 5 Implement the CALFED Program

State government must continue to provide leadership for the CALFED Bay-Delta Program to ensure continued and balanced progress on greater water supply reliability, water quality, ecosystem restoration, and levee system integrity.

ACTION PLAN

Develop:

- **Develop a comprehensive list of tasks being conducted** under the CALFED Bay-Delta Program, to prioritize the tasks in cooperation with the CBDA public advisory committee, to develop a schedule for completing the tasks, and to estimate funding necessary to continue work.
- **The Delta Risk Management Strategy** to evaluate the probability of Delta levee failures in the next 50 years, estimate the impacts and economic consequences from levee failures, propose actions to reduce the probability of levee failures and their consequences, and develop a strategic action plan with alternative strategies to reduce risk for the Delta.
- **Complete feasibility studies of additional surface storage** in the CALFED Record of Decision. California should pursue projects that have regional support and viable financing plans.
- **Acceptable mechanisms for funding** the work.

Promote:

- **Communication, cooperation, and collaboration** among State and federal agencies involved in the CALFED Bay-Delta Program.

Impliment:

- Implement **actions in the CALFED Record of Decision**, namely the Delta Improvements Package and other CALFED programs, including the Ecosystem Restoration, Water Quality, Levees, and Water Use Efficiency programs, its Science Program and the Interagency Ecological Program.
- Implement the **Delta Smelt Action Plan** recommendations.
- Continue to evaluate and, if feasible, implement a **long-term Environmental Water Account**.

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Cooperate with the federal government to review and revise the implementation plan for the CALFED Bay-Delta Program to reflect the current fiscal climate, and accordingly adjust the focus, scope, expectations, work plan, and budget for all elements of the Bay-Delta Program to achieve balanced and effective implementation.

Current Status

- Delta Vision/ Delta Risk Management Strategy (DRMS)
- Convened State Agency Steering Committee for Water Plan Update 2009
- See also status of Recommendations #6 &7

Recommendation 6

Provide Effective State Government Leadership, Assistance, and Oversight

State government must lead water planning and management activities that:

- (a) **Regions cannot accomplish on their own**
- (b) **The State can do more efficiently**
- (c) **Involve interregional, interstate, or international issues**
- (d) **Have broad public benefits**

ACTION PLAN ACTION PLAN

Provide:

- **Leadership** in protecting public health and safety, especially with regard to drinking water quality, dam safety, and flood management
- **Technical assistance** for interregional, interstate, and international issues
- **Technical assistance** for at-risk low-income communities with drinking water and other infrastructure challenges
- **Timely regulatory approvals** and prevent conflicting rules or guidelines.

Collaborate:

- With local, regional, State, and federal agencies and stakeholders to **conduct regular updates** of key reports
- To **advance water planning and management** that restores and protects watersheds and assesses instream flow demands needed to protect and restore aquatic ecosystems
- To **identify and resolve conflicts** between regional plans, and integrate the water plan into a future State strategic planning processdx
- To develop and administer a **Dry Year Water Transfer Program**

Educate:

- **To raise public awareness** of California's water

SOME OF STATE GOVERNMENT'S LEADERSHIP ROLES

Prepare California Water Plan updates as a public forum to integrate State, federal, regional, and local plans

Plan to meet the state's future agricultural, urban, and environmental water demands and water management objectives

Operate and maintain the State Water Project

Provide regulatory oversight to protect public health and safety and public trust values, including water quality, environmental protection, flood management, and dam safety

Participate in major regional initiatives, such as the CALFED Bay-Delta Program

Form public-private partnerships to implement regional programs like the Colorado River Quantification Settlement Agreement.

Current Status

- See SB 59
- Proposition 84 passed
- Proposition 1E passed
- Began work to update State Strategic Flood Plan
- Began update of CV Flood Plan and Regional Flood Improvement System
- Strategic Growth Plan 1 (2006)
- CPUC and DHS have MOU to collaborate in maintaining safe and reliable water supplies statewide
- Completion and expansion of existing and proposed IRWMP's.
- DWR Proposition 50 - round 2 of grant funding program now underway.
- In FY 2007-08, will develop programs to administer new funds under new Propositions 1E and Proposition 84.
- DWR sponsors programs, provides information and technical assistance to agencies.
- AB303 Groundwater management assistance and studies to public agencies.
- CPUC has a proceeding to determine best policies for encouraging water conservation by water
- Initiated discussions with SWRCB
- SWRCB developing statewide water recycling policy.
- SWRCB is developing a once through cooling policy to address intakes' environmental effects of power plants and desalination plants.

Recommendation 7

Clarify State, Federal, and Local Role and Responsibilities

California must define and articulate the respective roles, authorities, and responsibilities of State, federal, and local agencies and governments responsible for water.

ACTION PLAN

Streamline responsibilities:

- Examine where the **mandates and jurisdictions of State, federal and local governments and agencies** conflict with or complement each other to streamline and coordinate the roles and jurisdictions governing California water management.
- DWR will work with the Governor and Legislature to **improve DWR's mission, functions and organization in relation to other State and local agencies and governments** with water management responsibilities.

Integrate:

- **Integrate State agency expertise and resources** to support integrated regional water management.

SOME OF STATE GOVERNMENT'S LEADERSHIP ROLES

Redefine how to empower and assist them to implement their regional water plans and programs.

Internal review of how State resource agencies do business and identify ways to make these agencies more efficient, effective, and responsive to Californians.

Establish an interagency water forum would strengthen coordination among State agencies responsible for water, water quality, and for ocean water desalination and would ensure that State agency strategic plans and activities are consistent with the Governor's and State water policies.

Current Status

- Water Plan Steering Committee convened
- Water Plan Regional Workshop and Forums
- Water Plan is coordinating with other State regional planning efforts (e.g. Caltrans)
- DWR reorganization to promote IRWM
- Governor's Office of Planning and Research updated General Plan Guidelines (GPG) to include integrated regional resource planning
- Governors Water Initiative, including SB 59
- CPUC's Division of Ratepayer Assistance (DRA) is working with Cal Am Water and other organizations to create IRWM plan including desalination in Monterey area

Recommendation 8

Develop Funding Strategies and Clarify Role of Public Investments

California must develop broad, realistic, and stable funding strategies that define the role of public investments for water and other water-related resource needs over the next quarter century.

ACTION PLAN

Develop:

- **A benefit-based approach to long-term, reliable funding sources** for water projects in a way that accurately characterizes benefits, uses public funds responsibly, and follows the principles of equity and environmental justice.
- **Broad and realistic funding strategies** that define the role of public investments for water and other water-related resource needs over the next quarter century.
- **Policy and a work plan for implementing the finance plan of the CBDA**, recommendations of the Commission on Building for the 21st Century and other efforts for financing water management and related activities, and develop policy regarding investment of public funds in private water utilities.

Ensure:

- **Consistency and coordination with the Capital Budget Planning Process**, a five-year strategic planning process for capital budget planning across State agencies pursuant to AB 1473 and the three planning priorities in AB 857 (Stats. 2002; ch. 1016).

Impliment:

- **Regional programs** by developing funding processes that are clear, consistent, and streamline.

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Lead an effort to identify and prioritize funding strategies to finance regional and statewide water planning, programs, and infrastructure.

Clearly articulate when, and for what actions, to use public investments from State and federal sources. California's water finance plan must also recognize the critical role of local public and private funding based on the principle of beneficiary pays and the need for user fees.

Current Status

- Proposition 84 passed with funding for IRWM
- Governor SGP included proposal for water user fees linked to IRWM.
- See Senate Bill 59, Temperance and Sites Dam.
- Proposition 50 process improvements
- Proposition 84 guidelines
- CWP 2005 goals and recommendations consistent with three planning priorities
- DWR participated in OPR effort to update the Environmental Goals and Policy Report (EGPR) (2004)

Recommendation 9
Invest in New Water Technology

California must define and articulate the respective roles, authorities, and responsibilities of State, federal, and local agencies and governments responsible for water.

ACTION PLAN

Streamline responsibilities:

- Examine where the **mandates and jurisdictions of State, federal and local governments and agencies** conflict with or complement each other to streamline and coordinate the roles and jurisdictions governing California water management.
- DWR will work with the Governor and Legislature to **improve DWR's mission, functions and organization in relation to other State and local agencies and governments** with water management responsibilities.

Integrate:

- **Integrate State agency expertise and resources** to support integrated regional water management.

SOME OF STATE GOVERNMENT'S LEADERSHIP ROLES

Working with California research and academic institutions, identify and prioritize applied research projects leading to the commercialization of new water technologies and better scientific understanding of California's water-related systems.

Current Status

- Water Plan Steering Committee convened
- DWR is in process of identifying and fraternizing research needs for new Water Use Efficiency (WUE) technologies /management, etc. This is in cooperation with USBR, SWRCB, NRCS, and stakeholders.
- SWAN (State Water Analysis Network)
- Work Team Leads
- Both Water Reuse Association and CA Council on Urban Water Conservation have done technology introductions.
- CPUC Water and Energy proceeding allocating \$10 million for pilot projects by CA Investor Owned Utilities (IOU's) and water (Public and Private) utilities to find ways to save energy through water efficiency.
- CPUC encouraging water IOU's to deploy advanced meter reading technology.
- Prop 50 UE funds incorporate research type of projects into the PSP process
- SFPUC is investing in technology using wave power near Golden Gate Bridge for San Francisco's total power needs.
- Compile information regarding scientific merits/validity of assumptions made in estimation of water savings
- Update QO's for instream flows and quantify intended benefits
- Steering Committee convened.

Recommendation 10

Adapt for Global Climate Change Impacts

State government must help predict and prepare for the effects of global climate change on our water resources and water management systems.

ACTION PLAN

Collaborate:

- DWR will work with other State agencies to **develop biannual reports on the impacts of global climate change**, including impacts to water supply and will prepare and report on mitigation and adaptation plans.
- DWR will work with other State agencies to **develop and help implement strategies to reduce greenhouse gas emissions in the** State in accordance with the goals established by Executive Order S-03-05.
- DWR will **work with climate change experts to develop alternative flow data** to help State and regional planners test potential effects of global climate change on different management strategies.

Provide Expertise:

DWR will **evaluate management responses** to potential impacts of global climate change on the State Water Project and California's hydrology.

DWR will **seek funding to establish a position to participate with ongoing global climate change studies** and manage staff work related to global climate change research. Alternatively, existing resources may be redirected from other programs to establish the position.

DWR will provide expertise to help **identify means of energy savings** for the storage, conveyance, distribution, and use of water and describe the energy use characteristics of various resource management strategies.

SOME OF STATE GOVERNMENT'S LEADERSHIP ROLES

State government should work with and assist researchers to monitor, predict and prepare for the effects of global climate change on California's water systems and the environment.

DWR should develop alternative flow data to help State, federal, and regional planners test the potential effects of global climate change on different resource management strategies; and to help water facility operators test alternative reoperation strategies, including the State Water Project..

Current Status

- DWR released the first biannual report in July 2006; next report due December 2008.
- Water Board beginning study on Ocean level rise effects on coastal wetlands.
- DWR is part of the Governor's Climate Action Team, which is implementing strategies, including various "early actions," to reduce GHG emissions.
- DWR will consider energy use in Integrated Regional Water Management Plans as well as the next California Water Plan Update, assuming additional resources arrive during FY 07-08.
- CPUC is going to encourage water IOU's to use increasing Block Rates, to encourage water conservation thereby reducing energy use and reducing greenhouse gases.
- Complete; DWR has requested both positions and funding from Proposition 84 to implement a broad range of climate change related activities, including research.
- AB 224 (Wolk) would require DWR and other state agencies to consider climate change impact on water plans.
- CPUC is offering \$70 million for pilot projects by private Energy Utilities in partnership with public and private water utilities to conserve energy (GHG) via conserving water.

Recommendation 11

Improve Water Data Management and Scientific Understanding

DWR and other State agencies must improve data, analytical tools, and information management and exchange needed to prepare, evaluate, and implement regional integrated resource plans and programs in cooperation with other federal, tribal, local, and research entities.

ACTION PLAN

Evaluate:

- Develop a **checklist of issues, resources, data, and analytical tools** as well as guidelines to aid regional integrated resource planning.
- **Select and/or develop the analytical tools and data** in support of the next Water Plan Update.

Collaborate:

- **Participate in efforts by the California Water and Environmental Model Forum (CWEMF)** to develop and carry out a **plan for long-term improvement of analytical tools and data** for statewide planning.

Integrate:

- Develop the **Water Plan Information Exchange (Water PIE)** for collecting and sharing data, and networking existing databases and Web sites, among State, federal, regional, and local agencies and governments and citizen monitoring efforts.

SOME OF STATE GOVERNMENT'S LEADERSHIP ROLES

Prepare a long-term plan to peer review and improve data and analytical tools.

Develop presentation and decision-support tools to make complex technical information more accessible to decision-makers and resource managers.

DWR should build and maintain the Water Plan Information Exchange (Water PIE).

Current Status

- Partial list of analytical tools on Water Plan website
- Partial list of data web sites on Water Plan website
- Conducting pilot development of Extend and WEAP versions of scenario tool
- Developing contracts to apply shared vision planning approaches to work with stakeholders
- Developing contracts to support improvement of analytical tools and data
- Conducting inflow-outflow and regional planning pilot studies for water portfolios
- Formed the Statewide Water Analysis Network as technical advisory group for the Water Plan
- CA Department of Pesticide Regulation and UC Davis have GIS of the State's agricultural cropland that is updated annually using pesticide use permit data by field.

Recommendation 12

Protect Public Trust Resources

DWR and other State agencies must explicitly consider public trust values in the planning and allocation of water resources and protect public trust uses whenever feasible.

ACTION PLAN

Protect:

- DWR will **protect the public trust** when carrying out its role in **water planning**, including the preparation of this water plan.
- DWR will **protect the public trust** in connection with the **planning, design, construction, and operation of State Water Project facilities and other projects** in which DWR is a participant.
- Where DWR is the owner of a dam, it will **make releases in compliance with Fish and Game Code** section 5937. The State will **assist all dam owners in meeting this code**.
- DWR will **take the public trust into account when acting as a party to a transfer**, or when approving use of SWP facilities by others. Where approval of the State Water Resources Control Board is not required, as in the case of transfers of pre-1914 rights, DWR will consider all available information and **protect public trust uses whenever feasible and reasonable**.
- DWR will protect the public trust when it represents the State on **interstate river compacts** such as the Klamath River Compact.
- DWR will protect the public trust in connection with **water master duties on adjudicated streams**.

Collaborate:

- DWR will participate in efforts to **coordinate implementation of public trust responsibilities** with other State agencies.
- DWR will assist the State Water Resources Control Board by **conducting and presenting studies and investigations** regarding the needs of trust resources.

Integrate:

- DWR will **develop consistent, department-wide guidelines and methodology** for how it will evaluate its public trust responsibilities.

SOME OF STATE GOVERNMENT'S LEADERSHIP ROLES

Exercise continuous supervision over the State's navigable waters, the lands beneath them, and the flows of their tributary streams.

Protect the public's rights to commerce, navigation, fisheries, recreation, ecological preservation, and related beneficial uses.

Current Status

- Oroville FERC relicensing.
- DWR will prepare review process pursuant to AB 857 (Wiggins) for Public Trust and other agencies and develop performance measurements that PT resources are maintained or restored.
- DWR District staff field check land that is fallowed to make water available for transfer to verify the conservation of "real" water.
- Identified additional databases on instream flow needs, including three from other state agencies.
- DWR has done more research on unmet instream flow needs for aquatic life.

Recommendation 13

Increase Tribal Participation and Access to Funding

DWR and other State agencies must invite, encourage, and assist tribal government representatives to participate in statewide, regional, and local water planning processes and to access State funding for water projects.

ACTION PLAN

Address:

- Surface water and groundwater quantity and quality needed to support tribal fishing rights and cultural practices.
- Tribal water rights in California and considers needed changes in California Water Plan Update.

Reinstate:

- Question for “Source of Water” and “Sewage Disposal” in the U.S. Census questionnaire.

Outreach:

- To tribes at all stages of State’s water planning processes and provides assistance for meeting participation.
- To tribal associations and California tribes seeking their participation in the California water plan updates, particularly for identifying and evaluating tribal water concerns and water uses. Some of the potential areas of interest identified through tribal outreach conducted in 2003 follow.

Cooperate:

- In sourcing funds for projects to improve tribal water supplies and quality and ecosystem restoration.
- To ensure safe and piped potable water for all Californians, including its tribes.

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Include tribal water concerns and water uses in future water plan updates and should engage appropriate local, State, and federal agencies to resolve tribal water issues that are identified.

Current Status

- This will be an ongoing long-term effort of capacity building and protocols which have yet to be developed. With over 200 California tribal entities, the Water Plan will need to promote participation by tribal associations and organizations, as well as individual tribes.
- Tribes will be targeted for invitation and participation in regional planning efforts, including existing and evolving IRWM planning. Tribal communities of interest are appropriately included on the Steering and Advisory Committees.
- Authority lies with federal and state drinking water enforcement agencies. The Water Plan process should encourage this discussion among appropriate agencies.
- Authority lies with state and federal agencies, and statutory and regulatory provisions. The Water Plan should encourage this discussion among appropriate agencies and tribal interests.
- Complicated legal and policy issues need to be identified and discussed among governments, including tribes.
- Appropriate state, federal, and other agencies need to be identified for each tribal community. Tribal beliefs do not separate water from all other aspects of human life and the environment.

Recommendation 14

Ensure Environmental Justice across All Communities

DWR and other State agencies must encourage and assist representatives from disadvantaged communities and vulnerable populations, and the local agencies and private utilities serving them, to participate in statewide, regional, and local water planning processes and to get equal access to State funding for water projects.

ACTION PLAN

Incorporate:

- **Environmental justice issues** of precautionary applications, cumulative health impact reductions, public participation, community capacity building and communication, and meaningful participation into current and future California Water Plan Update processes and other DWR programs.

Conduct:

- **Outreach** to disadvantaged communities and vulnerable populations and their advocates seeking their participation in the California Water Plan Update, particularly for evaluating how they might be affected by different water management strategies.

Monitor:

- **Activities** of other federal, State, regional, and local governmental programs and processes which may have environmental justice interests relevant to the California Water Plan update.

Review:

- **Current monitoring and regulatory programs** to identify and address gaps in available data and monitoring programs that impact disadvantaged communities and vulnerable populations.

SOME OF STATE GOVERNMENT LEADERSHIP ROLES

Recent State policy establishes social equity and environmental justice as a State planning priority to ensure the fair treatment of people of all races, cultures, and income, in particular those having experienced significant disproportionate adverse health and environmental impacts.

Current Status

- To the extent that the Water Plan Update addresses health and environmental impacts, EJ concerns will be identified. Disadvantaged communities should be represented on the Advisory Committee.
- Currently there are active EJ discussions taking place in the CALFED-Bay-Delta Program and Cal/EPA. These are being monitored by staff, and management is kept advised.
- Safe drinking water, environmental quality, water rights, and cultural practices are among the issues to be discussed. To the extent that primary agencies of these responsibilities participate on the Steering Committee, they will be part of the Water Plan process.