



WATER USE EFFICIENCY PROGRAM PLAN

DEPARTMENT OF WATER RESOURCES
STATE WATER RESOURCES CONTROL BOARD
UNITED STATES BUREAU OF RECLAMATION
NATURAL RESOURCES CONSERVATION SERVICE
CALIFORNIA BAY DELTA AUTHORITY

Draft Program Plan Year 9

- Draft Program Plan update

2007-08 PROGRESS REPORT

- Number of Year 8 projects funded:
- DWR Urban WUE – 35 projects \$ 18.2 million, Ag WUE - 22 projects \$10.4 million
- SWRCB Planning Grants – 6 \$411,000, Construction – 1 \$2.5 million, Advisory Panels – 2 \$140,000, Economic Analysis Task Force (Recycled Water) – 1 \$180,000

2007-08 PROGRESS REPORT

Technical Assistance:

- DWR AB 1881 Update Model Landscape Ordinance – rule making process, 8 Leak detection workshops, 2008 Urban Drought Guidebook and workshops. Ag water management planning assistance, supported AWMC database development, incorporation of QO's into EWMP's net benefit analysis, and Model Water Management Plan.

2007-08 PROGRESS REPORT

Technical Assistance:

- DWR Operate and maintain 130 CIMIS stations, new CIMIS website: (<http://www.cimis.water.ca.gov>), non-ideal site weather station network study, refine ETo zone maps for California

2007-08 PROGRESS REPORT

Science and Monitoring:

- DWR - Proposals submitted to DWR required to have monitoring and assessment plans. ET Adjustment Factor Study to be conducted.

Activities for Year 9

Loans:

- DWR has \$15 million Proposition 13 loan available, received no applications.

Grants:

- DWR - Issue Prop 50 WUE PSP for urban and Ag WUE
- USBR - Water Conservation Field Services Program - 21 grants for \$800,000. \$500,000 Lower Colorado. Education Grants \$300,000

Activities for Year 9

Grants:

- USBR – Ag and Urban grants for WUE that benefits the Delta \$1.5 million. Technology Transfer Grants 2-3 grants \$50,000
- SWRCB - Continue administering grants and loans from Proposition 50 (grants), State Revolving Fund (loans), 1984 Bond Law (loans), and Proposition 13 (2000 bond issue, grants and loans) for planning and construction of water recycling projects. Funding: \$X million (TBD if needed) with 75% local cost share

Activities for Year 9

Grants:

- SWRCB – Research Grants SWRCB major activities for FY 2008-09 are to continue water recycling research projects.
- Funding: Up to 3 percent of loan repayments from Proposition 13 loans may be used for water recycling research.
- SWRCB and Reclamation provides funding to WateReuse Foundation, which in turn, provides research grants for water recycling. Studies funded nationally in other states often benefit California water recycling efforts.

Activities for Year 9

Grants:

- Develop a project-tracking database for SWRCB-funded water recycling projects, including administrative data as well as recycled water delivery data.
- Funding: Administration funds for the State Revolving Fund and Propositions 13 and 50 for task administration

Activities for Year 9

Desalination Projects:

DWR major activities for 2008-09 are to continue the water desalination grants program to include the management of 48 different projects which were awarded through the two funding cycles of the Proposition 50 desalination grant process. Schedule: No future grant funding is available. Administration is ongoing.

Activities for Year 9

Desalination Projects:

USBR Brine-Concentrate Management Study. The study will survey the current state of southern California's brine-concentrate treatment and disposal facilities, regulatory requirements, and emerging / secondary constituent issues; evaluate and compare treatment and disposal methods that could meet forecasted trends in brine-concentrate management for coastal and inland areas; and provide a comparative review of recommended projects for coastal and inland areas to meet expected brine-concentrate treatment and disposal requirements. Lead Agency USBR

PLANNED ACTIVITES

Technical Assistance:

- Agencies continue to provide technical assistance for water conservation, water recycling, water desalination through multiple programs (CIMIS, water management planning). Support CUWCC BMP database.
- DWR has initiated the rule making process to update the landscape model ordinance by January 2009.
- DWR Review approx. 158 UWMPs (remainder of 390 submitted in 2005 cycle) and provide tech. assist.

PLANNED ACTIVITES

- On February 28, 2008, Governor Schwarzenegger sent a letter to Senators Perata, Machado and Steinberg outlining key administrative elements, under development, of a comprehensive solution for the California Bay-Delta.

PLANNED ACTIVITES

- The first element identified was an aggressive new goal for water conservation in California. The Governor called for: "A plan to achieve a 20 percent reduction in per capita water use statewide by 2020" and directed the Department of Water Resources (DWR) to prepare the Plan. DWR has assembled a team (20X2020 Team) of State agencies, which play a role in management of California's water, to help develop the plan.

PLANNED ACTIVITES

Technical Assistance:

- Landscape training
- Promote California Friendly Landscape
- Support BMP 5 in coordination with CUWCC
- Disseminate information on landscape water conservation
- Distribution system water audit and leak detection
- Assist with new mobile labs
- Participate in evaluating and research of potential BMP's
- Develop protocol for estimating environmental benefit of BMP implementation

PLANNED ACTIVITES

Technical Assistance:

- Publish articles in Water Conservation News and brochures
- Develop and manage Urban Water Management Plan database
- Participate in commercial, industrial, and institutional water conservation through workshops, conferences, and outreach
- Support urban technical assistance projects through technical assistance grants.
- Assist the CUWCC with the implementation of the Water Smart Landscape for California, Landscape Water Conservation Task Force Recommendations (LTFR)

PLANNED ACTIVITES

Technical Assistance:

- Begin implementation of the LTFR's (1.1, 15.1, 15.2, 16.1, 31.1 model ordinance), as resources become available
- Initiate an assessment to identify research needs that could help full implementation of BMP's, and new and emerging technologies in the urban setting.
 - Support CUWCC BMP database.

PLANNED ACTIVITES

Technical Assistance:

- CIMIS will be integrating the GOES state wide ET map with a web services application that will allow for the seamless transfer of data to the end user in a standardized format. This will allow for the data to be updated automatically to ET controllers, desk top computers, and data bases anywhere in the state Lead Agency: DWR
- Through the Water Conservation Field Services Program (WCFSP), Reclamation will provide technical assistance to its urban contractors. These efforts can be seen through agreements with:
- California Polytechnic State University, San Luis Obispo's Irrigation Training and Research Center
 - California Farm Water Coalition
 - California State University, Fresno's Center for Irrigation Technology

PLANNED ACTIVITES

Technical Assistance (Cont.):

- Universities of California, Riverside
- California State University, San Bernardino
- California State University, Chico
- Water Education Foundation's Project Water Education for Teachers. Lead Agency: Reclamation

PLANNED ACTIVITES

Agricultural Technical Assistance :

DWR provides ongoing assistance to agricultural water suppliers by providing information to implement efficient water management practices and help local agencies in their efforts to prepare Water Management Plans and bi-annual progress reports through the Agricultural Water Management Council (AWMC). DWR provides assistance for agricultural water management planning and implementation.

PLANNED ACTIVITES

Agricultural Technical Assistance :

Implement a new cooperative agreement with AWMC to find ways to improve agricultural water supplier's participation in the PSP process. Outreach and marketing of TB's are also part of scope of the work for this activity.
Support the AWMC to develop a database containing water management plan information. CBDA assisted the AWMC with the initial database development.

PLANNED ACTIVITES

Agricultural Technical Assistance :

Continue to assist AWMC to incorporate QO's into EWMP's, net benefit analysis, and Model Water Management Plan.
Develop a new cooperative agreement with AWMC to help the Council to increase membership and acreage, to provide financial assistance to small agricultural water suppliers to develop WM Plans, and to develop an on-line water management reporting application.
Lead Agency DWR

PLANNED ACTIVITES

Agricultural Technical Assistance :

USBR : The Central Valley Project Improvement Act requires that the Standard Criteria for the Water Management Plans be revised every three years.
The Central Valley Project Improvement Act requires that urban, agricultural, and refuge contractors submit a Water Management Plan every 5-years and an annual update of the Best Management Practices outlined in this plan. These plans and updates are reviewed by water conservation staff when submitted.
The water conservation staff produces a quarterly newsletter, *Conservation Connection*. The newsletter features articles on new water conservation technologies and Reclamation's funding opportunities.

PLANNED ACTIVITES

Agricultural Technical Assistance :

Lead Agency NRCS: NRCS intends to implement the new Farm Bill, which is expected to be authorized in FY 2008. The Federal Administration's draft Farm Bill would reauthorize the Environmental Quality Incentives Program (EQIP), which provides cost share incentive payments to encourage installation of water conservation practices. The Administration's draft Farm Bill adds new fundable projects under an expanded EQIP that would include a Regional Water Enhancement Program focused on watershed level projects for water quantity and water quality. Funding available in EQIP for on farm implementation is usually based on prior year estimates of EQIP practice cost share expenditures that complemented CALFED WUE Agricultural Water Conservation goals.

PLANNED ACTIVITES

Recycling Technical Assistance :

Lead Agency DWR: Continues to provide technical knowledge on water recycling, including: responding to questions from policy makers, regulators, state and local agencies, and the public on permitting issues, public health regulations, and types, locations, and amounts of water reuse occurring. Continued participation on Department of Health Services Recycled Water Committee.

PLANNED ACTIVITES

Desalination Technical Assistance :

Lead Agency DWR: In collaboration and coordination with stakeholders, DWR continues to provide technical, biophysical, and engineering-oriented knowledge on water recycling by: Developing guidelines for water desalination regulation and permitting requirements.

PLANNED ACTIVITES

Desalination Technical Assistance :

Lead Agency DWR: Identifying potential water desalination projects. Helping to implement the Desalination Task Force's recommendations. Increasing public awareness and disseminating knowledge and information on technical advancements on desalination technologies. Coordinating with federal, State, and local agencies, and other stakeholders, to advance local and regional water desalination. Publishing articles in the WCN about desalination.

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