

CALFED Drinking Water Quality Program
Annual Year 4 Program Plan
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CALFED Drinking Water Quality Program Annual Year 4 Program Plan

1. Activities by Task for Year 4

The DWQP will work with the State Water Resources Control Board (SWRCB) on selection of projects submitted in response to the March 2003 Request for Concept Proposals. Criteria and priorities for the \$31.5 million available from FY 02/03 funds for CALFED Drinking Water projects in this solicitation were provided by the DWQP.

The DWQP will work with the Department of Health Services (DHS) and the SWRCB to develop solicitations for Prop 50 funding available to these agencies in Year 4 (FY 03/04).

The following are descriptions of continuing activity on Drinking Water Quality Program (DWQP) commitments and complimentary actions from the Programmatic Record of Decision (ROD).

San Joaquin Valley Agricultural Drainage

DWR Agricultural Drainage Program (salinity and selenium): Provide technical assistance to the CALFED ERP program. This may include:

- a. Review and evaluation of proposals submitted to CALFED.
- b. Managing agricultural drainage related contracts and activities including Proposition 13 and Proposition 204 agricultural drainage related projects.
- c. Review and evaluation of projects in progress.
- d. Preparing technical summaries of results and findings.
- e. Quantify agricultural drainage return flows and quality of water returning to surface and groundwater systems.
- f. Recommendation on possible changes/redirection of the CALFED agricultural drainage ERP program.
- g. Coordinate Office of Water Use Efficiency (OWUE) activities with CALFED.
- h. Review and evaluate existing funded projects to verify achievement of intended benefits.
- i. Review agricultural drainage component of agricultural water management plans for source reduction and water quality improvement opportunities.
- j. Help irrigation districts/watershed groups to adhere to and implement agricultural drainage discharge waiver requirement under “SJ Regional Water Quality Control Board ‘Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands’”.

Provide outreach activities to include:

- a. Dissemination of information and technologies.

- b. Conducting/participating in workshops, training, and educational activities.
- c. Preparing technical articles and papers.
- d. Develop working relationships between OWUE agricultural drainage program and the efforts of Agricultural Council.
- e. Work with Agricultural Council signatories and provide technical assistance to irrigation/water districts to incorporate agricultural drainage water quality issues in their Water Management Plans.
- f. Help Agricultural Council in outreach activities such as workshops, informational/educational materials.
- g. Help develop cooperative working relationship between Agricultural Council and Regional Board to implement Regional Board's Drainage Discharge Requirements. This may include developing letter of understanding, contracts, etc.

Source Control

State Water Resources Control Board Consolidated RFP: In cooperation with the CBDA, the SWRCB released a request for proposals that includes \$31.5 million for CALFED Drinking Water Quality Program (DWQP) grants. Project selection will be guided by criteria and priorities provided by the DWQP. The RFP was released March 19, 2003 starting a two-stage process with final awards scheduled for early 2004. RFP details are available on the SWRCB web site at <http://www.swrcb.ca.gov/funding/index.html>.

Monitoring and Assessment: CALFED Monitoring and Assessment Program (MAP): Year 4: Complete conceptual models for the primary contaminants of concern, white papers on selected contaminants, and selection of analytical tools (computer models).

Sacramento River Watershed Program: In 2003, US EPA will be providing an additional \$270,000 in federal funds to continue the program.

Drinking Water Policy for the Delta and its Tributaries: During year 4, conceptual models and a regional database will be developed. Data needs will be identified and a monitoring program will be developed. Monitoring for essential "missing" elements will begin. Water quality goals will be identified.

Drinking Water Subcommittee (DWS)

The DWS will complete ELPH strategic plan. The DWS will also support, and provide input to, the development of the Central Valley drinking water source protection policy.

Treatment Technology

Ultraviolet (UV) Light Disinfection (MWD Project): The project duration is 24 months, so it should be completed by mid to late 2004.

Ultraviolet (UV) Light Disinfection (CCWD Project): Advanced Treatment of Delta Water to Meet Future Regulations. Secure funding and begin work on the project.

Regional Desalination:

Agricultural drainage water recycling using membrane technology by Panoche Drainage District (CALFED grant). Perform site testing, investigate brine options, finalize system design, and prepare interim report.

Desalination Research and Innovation Partnership (DRIP): Continued work will focus on brine minimization and treatment strategies, and emerging contaminants that may limit future water treatment projects.

Control Run-off into Conveyances

State Water Project Watershed Sanitary Survey: Implement monitoring and assessment activities prioritized in the report. Examples include:

- An investigation of urban loading into the Delta currently being conducted.
- Studying the quality and quantity of carbon discharged through agricultural drainage into the Delta.
- Modeling of the bromide and carbon transport through the Delta.

North Bay Aqueduct

Main recommended BMP – livestock fencing within the watershed: It is unknown when Solano County Water Agency (SCWA) will get the authorization to start expenditures. This project can be completed within one year of authorization to proceed.

Alternate intake for the North Bay Aqueduct: By the end of calendar year 2003, SCWA will present the results to the California Department of Health Services, Department of Water Resources and CALFED to determine the next steps.

Operational Improvements/ Recirculation in the San Joaquin River:

USBR will conduct sediment sampling, economic analysis, legal analysis, additional fisheries study, public involvement, and final documentation.

Bay Area Water Quality and Supply Reliability Program:

In Year 4, Phase 2 will be completed with the remaining funds from SB 23 through the ABAG contract unless these funds are not extended. In that case, funds from Prop 50 will need to be substituted. Tasks for Year 4 include completion of the analysis and evaluation of those results to identify alternatives or portfolios that group a variety of alternatives together that meet the objectives of the various Bay Area agencies (by February 2004).

San Joaquin Valley / Southern California Water Quality Exchanges

Partnership activities planned for the current year include exploring the feasibility of implementing specific projects.

Plan to Meet Delta Water Quality Standards:

This is being met through a collection of several programs / projects by a variety of agencies. **CVRWQCB agricultural drainage TMDL:** no work is anticipated due to funding cuts. **DWR's South Delta Improvements Program:** In 2004 a final EIR/EIS is sought with a final biological opinions and NCCP determination. A Section 10 permit is sought for the increase in diversions to Clifton Court Forebay and Section 404 permits will be sought for dredging and placement of barriers. Two other programs/projects are either completed or are no longer funded: **Real Time Monitoring and Management of Salinity** and the **Grasslands Bypass Project**.

Management and Oversight:

Program management will transition from CALFED to DHS and SWRCB/CVRWQCB as state co-leads and US EPA as federal lead. Staff resources and the role Proposition 50 will play need to be identified.

2. Implementation commitments:

The DWQP has incorporated CALFED Science, Environmental Justice, and Public Involvement principles into all major program elements. Current activities include:

- Environmental Justice and Tribal interests are important selection criteria in the 2003 State Board RFP process.
- Environmental justice representatives on the BDPAC Drinking Water Subcommittee.
- CBDA Science Program advise on important DWQP tasks including Delta Drinking Water Policy development, the DWQP Monitoring and Assessment Program, establishing a drinking water expert panel, and developing performance indicators.
- Public participation and information are provided through the Drinking Water Subcommittee, the DWQP web site and project specific public information and outreach activities.

3. Schedule of major program deliverables: During Year 4, in its first year under the new CBDA, the DWQP will complete or oversee several key program tasks. Important program deliverables will include:

- As successor to the Delta Drinking Water Council, the BDPAC Drinking Water Subcommittee is scheduled to complete an initial assessment of progress toward meeting water quality targets and alternative treatment technologies by the end of

2003. This assessment will incorporate the findings of an expert panel, which will be established with the assistance of the Science Program.

- 2003 SWRCB Consolidated RFP grant award recommendations scheduled for review by the CBDA in late November or early December 2003. This consolidated RFP includes \$12.7 million from Prop 13 and \$18.8 million from Prop 50.

Recommendations for additional drinking water quality related projects to be funded by the Water Security, Clean Drinking Water, Coastal and Beach Protection Act of 2002 (Prop 50) is also expected in Year 4. Chapter 4 of Prop 50, administered by the DHS will provide funding for the Safe Drinking Water State Revolving fund and other drinking water programs. Funding for drinking water treatment technology in Chapter 6 of Prop 50 will be jointly administered by DHS and DWR.

4. Year 4 Proposed Budget

CBDA – \$5.6 million
SWRCB – Prop 50 amount unknown
DHS – Prop 50 amount unknown
EPA - amount unknown