

**BAY-DELTA ADVISORY COUNCIL
DELTA DRINKING WATER COUNCIL
DESCRIPTION**

Bay-Delta Advisory Council

The Bay-Delta Advisory Council (BDAC) was chartered as part of the CALFED Bay-Delta Program to provide recommendations to the Secretary of Interior and the Governor of California in developing long-term solutions addressing the underlying causes of problems affecting San Francisco Bay and Sacramento-San Joaquin Delta Estuary values. These values include: protection of water quality, protection of the Bay-Delta Estuary including its fish and wildlife resources, effective planning and operation of water delivery systems, and maintenance of Delta levees and channels.

CALFED Bay-Delta Program - Drinking Water Quality

The overall CALFED water quality objective is to provide good water quality for environmental, agricultural, industrial, and recreational beneficial uses, including drinking water. The CALFED drinking water quality objective is to continuously improve source water quality that allows for municipal water suppliers to deliver safe, reliable, and affordable drinking water that reliably meets, and where feasible, exceeds applicable drinking water standards. The CALFED program for improving drinking water quality is to reduce the loads and/or impacts of bromide, total organic carbon, pathogens, nutrients, salinity, and turbidity through a combination of measures including source reduction, alternative sources of water, treatment, and storage and conveyance improvements.

CALFED's specific target for providing safe, reliable, and affordable drinking water in a cost effective way is to achieve either: a) average concentrations at Clifton Court Forebay and other south and central Delta drinking water intakes of 50 ug/L bromide and 3.0 mg/L total organic carbon; or b) an equivalent level of public health protection utilizing a cost effective combination of alternative source waters, source control, and treatment technologies.

Delta Drinking Water Council - Need, Mission, Duties

In furtherance of CALFED's drinking water quality objectives, the Delta Drinking Water Council will be formed as a subcommittee of BDAC. The duties of the Delta Drinking Water Council are solely advisory, as outlined below:

Need - The derivation of the Delta Drinking Water Council came from many discussions with agencies and stakeholders who commented on the complexity of the drinking water issues, the importance of drinking water concerns, the need to utilize all available drinking water expertise, and the need to provide an official forum for stakeholders and agencies to assist in developing the best set of solutions.

Mission - The mission of the Delta Drinking Water Council is to advise the CALFED Program and the CALFED Policy Group through BDAC on necessary adaptations to the

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CALFED Drinking Water Improvement Strategy to achieve CALFED's drinking water objectives (see Attachment 1). It is under the scrutiny of the Delta Drinking Water Council that a combination of actions and studies will be developed and performed to drive important decisions on which additional measures or set of measures are most appropriate to meet CALFED's drinking water quality objectives.

Duties - The Council will:

- Operate as a BDAC subcommittee to provide advice related to CALFED drinking water quality actions and studies.
- Make recommendations to the CALFED Program, CALFED agencies and BDAC on treatment, health effects, alternative water sources, conveyance improvements, and storage and operations necessary to achieve drinking water quality objectives.
- Recommend milestones as indicators of continuous improvement in drinking water quality.
- Identify monitoring, research and information needs.
- Identify opportunities for beneficial CALFED involvement in source water quality improvement activities.
- Recommend research into human health effects of Delta drinking water supplies.
- Recommend research and development of drinking water treatment technologies to effectively treat Delta water supplies.
- Provide a forum where CALFED can convene scientific experts to provide independent scientific review of drinking water quality elements of the CALFED Program and to provide recommendations for improving the overall success of the Program.
- Advise CALFED on the preparation of reports to the CALFED Policy Group and BDAC which assess:
 1. Trends in Delta water quality
 2. Progress in source control
 3. Trends in treatment technology and regulation
 4. Recent findings and summary status of human health effects of disinfection byproducts
 5. The ability of treatment, conveyance changes, water exchanges and storage development and operations to achieve progress towards drinking water quality objectives
 6. Implemented and proposed Stage 1 water quality actions and their performance in achieving progress towards drinking water quality objectives
 7. Adaptive management changes necessary to achieve CALFED drinking water objectives
 8. Reevaluation of CALFED's drinking water quality objectives
- Advise CALFED regarding the composition of the expert panels to be convened in 2003 and 2007.

CALFED Program Relationship to Delta Drinking Water Council

- The CALFED Program will provide technical and administrative support to the Delta Drinking Water Council to carry out its duties.

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- The CALFED Program will regularly evaluate achievement of performance targets or milestones and will present these findings to the Delta Drinking Water Council for its review.
- The CALFED Program will regularly request advice from the Council on the overall direction of the drinking water quality improvement effort and on priorities for CALFED funding.

Council Term

As a BDAC subcommittee, the Delta Drinking Water Council's term is concurrent with BDAC's. The make-up and purpose of the Delta Drinking Water Council will be reevaluated along with BDAC when the environmental review process is completed. The need for public advice on Delta drinking water issues will continue throughout implementation of the CALFED Program. The precise forum in which this advice is offered and the structure of the participation shall be determined by CALFED before the conclusion of the environmental review process.

Council Membership

Members of the Delta Drinking Water Council, including the Chair, will be appointed by and serve at the pleasure of the BDAC Chair. The BDAC Chair may seek advice from the Council regarding selection of the Council Chair. The Delta Drinking Water Council Chair must exhibit good facilitation and dispute resolution skills. The position may be rotated among members at the discretion of the BDAC Chair. Members are appointed as individuals and as representatives of their respective organizations. The combined membership should possess high level technical and policy expertise. Members (see Attachment 2) represent the following areas:

- Drinking water regulations
- Human health effects (e.g., toxicological, epidemiological)
- Water treatment
- Delta hydrology and water quality
- Water management/operations and water quality modeling
- Water quality monitoring
- Source control

Operating Procedures

The CALFED Bay-Delta Program will provide staff support for the Council. All meetings of the Council will be public meetings with prior notice of the date, time, location and items to be discussed provided to interested parties. Summary notes of each meeting of the Council will be prepared for distribution to the membership and to others upon request.

Allowances

Members serve on the Council without compensation for their services. Non-CALFED agency members will be reimbursed for travel, subsistence, and other necessary expenses incurred by them in performing duties consistent with applicable state and federal law.

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Frequency of Meetings

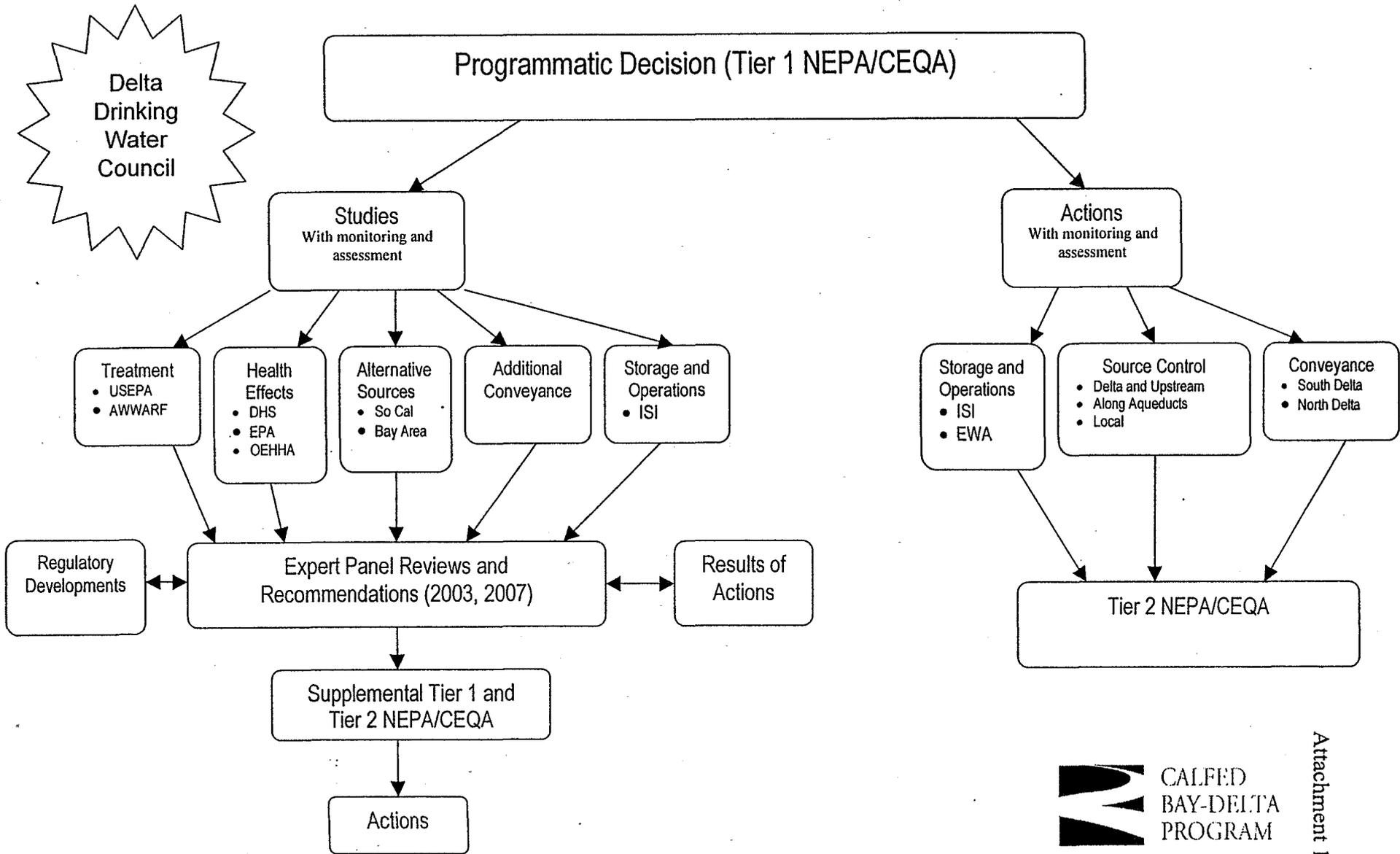
Council meetings are expected to be full day meetings and will likely occur at least monthly. The frequency and duration of the meetings may change as deemed necessary by the BDAC Chair, the Council Chair, and/or the CALFED Program Executive Director.

Decision-Making Protocols

A majority of the membership of the Delta Drinking Water Council will constitute a quorum for the transaction of business. The Council shall seek consensus support for its advice and recommendations. If consensus cannot be reached, the Council will issue a majority report to BDAC. One or more minority reports also will be issued if the minority so desires.

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Drinking Water Quality Improvement Strategy

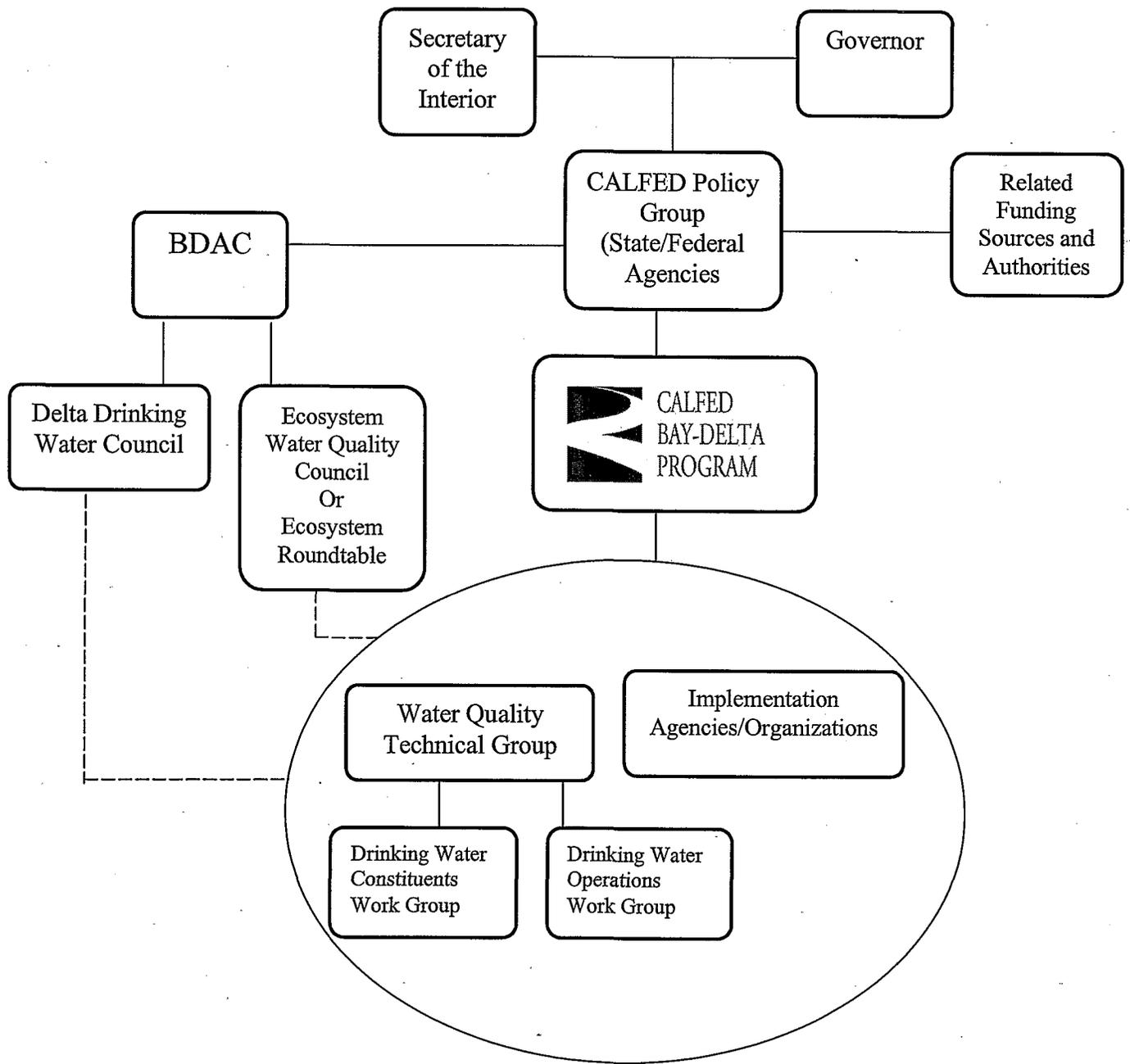


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Membership

Walter J. Bishop - Contra Costa Water District
Huali Chai - The Bay Institute
Russell E. Fuller- Antelope Valley East Kern Water Agency
Donald Gauthier - Helix Water District
Bruce Macler, U. S. Environmental Protection Agency
Phillip Metzger - U. S. Environmental Protection Agency, Office of Drinking Water
Dave Okita, Solano County Water Agency
Pankaj Parekh - City of Los Angeles
Timothy H. Quinn - Metropolitan Water District of Southern California
Robert F. Shanks - Sacramento Regional County Sanitation District
Dave Spath - Department of Health Services
Frances Spivy-Weber - Mono Lake Committee (BDAC Member)
Walt Wadlow - Santa Clara Valley Water District
Marguerite Young - Clean Water Action
Steve Zapoticzny - Southern California Water Committee (BDAC Member)
Tomas Zuckerman- Central Delta Water Agency

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RECOMMENDED INTERMEDIATE MILESTONES

SDWA Regulation	Effective Date	TOC, mg/L	Bromide, ug/L	Averaging Period
Stage 1 D/DBP Rule IESWTR	12/01	<4.0	<300	Quarterly
Stage 2 D/DBP Rule LT2ESWTR	2005-2007	<3.5	<100-150	Quarterly
Stage 3 D/DBP Rule	2009-2011	<3.0	<50	Monthly

CALFED DRINKING WATER PROGRAM MILESTONES

- Continuous improvement in source water quality
- CALFED's long-term milestones:

Total Organic Carbon - 3.0 mg/L

Bromide - 50 ug/L

(average concentrations at drinking water intakes)

OR

“an equivalent level of public health protection using a cost effective combination of alternative source waters, source control, and treatment technologies.”

RECOMMENDED SALINITY MILESTONES

Long-term (2020) TDS – 150 mg/L

Short-term (2007) TDS – 220 mg/L

(Flow-weighted annual averages)

- Supports CALFED recycling and conjunctive use goals.
- Minimizes dry-year water demands on the Delta.
- Provides for blended drinking water TDS levels of no more than 500 mg/L (state and federal secondary standard).

EQUIVALENT PROTECTION

An equivalent level of public health protection or salinity reduction within the urban agencies' service areas may be achieved using a cost-effective combination of

- source control
- blending with higher quality sources
- conveyance changes
- treatment
- improved state and federal water project operations