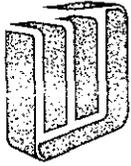


APPROVED  
by the Board of Directors of  
The Metropolitan Water District  
of Southern California  
at its meeting held

APR 14 1992



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

*Baron E. Dahl*  
EXECUTIVE SECRETARY

March 31, 1992

*To:* Board of Directors (Engineering & Operations Committee--Action)  
(Finance & Insurance Committee--Action)

*From:* General Manager

*Subject:* Appropriation No. 637 for \$2,812,600 to Finance Estimated  
Cost of Preparing Hydrogeologic Evaluation, CEQA Documentation  
and Bench Scale Testing for Process Design for Metropolitan's  
San Gabriel Basin Groundwater Storage Program in Advance of  
Facility Design

Report

In May 1990, your Board authorized a study of the potential for conjunctive use of the Main San Gabriel Basin to be conducted in partnership with local water agencies. The study focuses on means of developing additional water supply for Metropolitan's service area in a manner which would assist cleaning up contamination within the basin.

As an integral part of the study, a four-year pilot program to evaluate treatment technologies for the removal of volatile organic compounds, synthetic organic chemicals, nitrate and radon from groundwater was proposed. Appropriate funds were allocated in the 1991-1992 capital budget for the pilot-scale treatment plant. In the capital deferral program budget, the line item amount for the pilot program was reduced and a phased design and construction approach for the San Gabriel groundwater treatment plant was adopted. This phased approach is to first conduct bench-scale studies for the anticipated treatment processes. Then based on information provided by the bench-scale studies, a smaller initial treatment facility can be designed and constructed (e.g., 15-25 million gallons per day (MGD)). This smaller facility, which would include a "sidestream" to perform on-line pilot studies, will serve to confirm treatment performance and design parameters and could lead to future construction of the larger 100 MGD groundwater treatment plant originally contemplated.

In addition to the bench-scale studies described above, additional engineering and environmental studies will be required through fiscal year 1992-1993. The total

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cost of the studies is estimated at \$2,812,600 (see attached cost estimate). This appropriation will be sufficient to complete all necessary engineering and environmental studies in advance of facility design.

Approximately \$950,000 will be expended for the study by the end of the current fiscal year. Metropolitan's share of the cost has been funded from the operation and maintenance budget. It is appropriate to include the program's costs in the capital budget since the studies may result in recommendations for additions to Metropolitan's facilities.

The proposed actions are exempt from the provision of the California Environmental Quality Act because it involves only study for possible future actions which the Board has not approved.

#### Board Committee Assignments

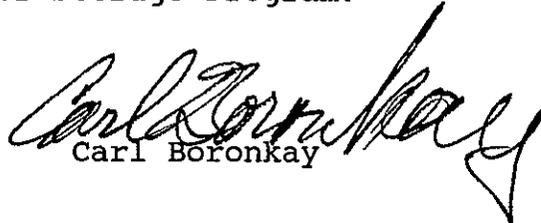
This letter was referred for action to:

The Engineering and Operations Committee pursuant to Section 2431 (c) of Metropolitan's Administrative Code granting it authority regarding facilities for the production, exchange, sale, storage, and treatment of water; and

The Finance and Insurance Committee because of its jurisdiction over the authorization of appropriations pursuant to Administrative Code Section 2441 (d).

#### Recommendation

That the Board appropriate \$2,812,600 from the 1991 Revenue Bond Construction Fund to finance the estimated costs for engineering and environmental studies for the San Gabriel Basin Groundwater Storage Program.

  
Carl Boronkay

TH:bvf

Attachment

Attachment "A"  
Fiscal Statement

Labor and Additives:	\$ 561,100
Professional and Technical Services	1,575,000
Administrative Overhead	309,600
Contingencies and Miscellaneous	<u>366,900</u>
Total	\$2,812,600

Source of Funds: Pay-As-You-Go

Class One: Projects directly related to delivery  
of water which if delayed will adversely  
impact reliability of service

Projected Expenditure of Funds:

Through Fiscal Year 1991-92	0
Fiscal Year 1992-93	2,812,600

Project Benefit: Provides new storage and treated  
water capacity

THAPPROP