

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

July 30, 1993

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

From: General Manager

Subject: Revision 1 to Appropriation No. 608 to Increase Funding from \$780,000 to \$1,400,000 to Finance All Estimated Costs for Design, Procurement of Materials, and Installation of Backflow Prevention Devices for Cross-Connection Control at All Filtration Plants and the La Verne Facility.

Report

A cross-connection is an unprotected connection between a potable water supply and any source of nonpotable water and/or substances that are not classified as safe, wholesome, and potable. A cross connection in a pipeline system that is not controlled by a backflow prevention assembly poses a potential health hazard to those receiving water from the potable water system.

In September 1990, your Board approved Appropriation No. 608 in the amount of \$780,000 to finance all estimated costs for design, procurement of materials, and installation of backflow prevention devices by District personnel at Diemer, Mills, Skinner, and Jensen filtration plants, and cross-connection surveys at other sites. This phase of the work is essentially complete.

Cross-connection surveys have been completed for Weymouth filtration plant and the La Verne facility. It is proposed to proceed with design, procurement of the backflow prevention assemblies and their installation by District forces. An increase of \$620,000 to Appropriation No. 608 is needed to perform this work. The total estimated cost for the five filtration plants and the La Verne facility is \$1,400,000. A breakdown of the estimated costs is shown on Attachment A.

Additional surveys are being conducted on a continuing basis to identify potential cross-connections at other facilities, and to recommend backflow prevention assemblies where required. Preliminary survey results indicate that numerous cross-connections exist at other facilities, and

future funding will be requested to provide backflow prevention at these sites.

The proposed project is exempt from the provisions of the California Environmental Quality Act in that it consists of the addition of safety or health protection devices for use in conjunction with existing facilities with no expansion of use beyond that previously existing.

Board Committee Assignments

This letter is referred to:

The Engineering and Operations Committee for action because of its jurisdiction over the initiation, scheduling, contracting, and performance of construction programs, pursuant to Administration Code Section 2431(b); and

The Finance and Insurance Committee for action because it has jurisdiction over appropriations, pursuant to Administrative Code Section 2441(d).

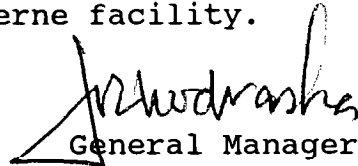
Recommendations

ENGINEERING AND OPERATIONS COMMITTEE FOR ACTION.

It is recommended that your Board authorize the General Manager to have all work performed for design, purchase of materials, and installation of backflow prevention assemblies at all filtration plants and the La Verne facility.

FINANCE AND INSURANCE COMMITTEE FOR ACTION.

It is recommended that your Board authorize Revision No. 1 to Appropriation No. 608 to increase funding from \$780,000 to \$1,400,000 from the Pay-As-You-Go Fund to finance all estimated costs for design, purchase of materials, and installation of backflow prevention assemblies at all the filtration plants and the La Verne facility.


General Manager

Fiscal Statement

(Capital Program No. 5-6080-32)

The total estimated cost breakdowns for the Initial Funding and Revision 1 are as follows:

	<u>Initial Funding</u>	<u>Revision 1</u>
Labor:		
Engineering	\$ 48,000	\$164,000
Water Quality	2,000	10,000
Environmental	4,000	4,000
Installation and Testing	<u>121,000</u>	<u>210,000</u>
Total Labor	<u>\$175,000</u>	<u>\$388,000</u>
 Materials and Supplies	 \$410,000	 \$625,000
Incidental Expenses	5,000	17,000
Equipment Use	5,000	5,000
Administrative Overhead	85,000	214,000
Contingencies	<u>100,000</u>	<u>151,000</u>
Total	<u>\$780,000</u>	<u>\$1,400,000</u>

Estimated Funds Required:

Initial Funds	\$ 780,000
Revision 1	\$ 620,000
Additional	<u>\$4,306,000</u>
 TOTAL	 <u>\$5,706,000</u>

Source of Funds: Pay-As-You-Go Fund

Fiscal Statement (cont.)

Projected Expenditure of Funds:

Through Fiscal Year 1992-93	\$ 690,000
Fiscal Year 1993-94	1,200,000
Fiscal Year 1994-95	3,300,000
Fiscal Year 1995-96	<u>516,000</u>
Total	<u>\$ 5,706,000</u>

Project Benefits

The installation of backflow prevention systems are required to comply with current and future regulations. A system that is not controlled by a backflow prevention assembly poses a potential health hazard to those receiving water from the water system.