



**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

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

41419

MAY - 9 1995

8-2

*Daren E. Duff*  
EXECUTIVE SECRETARY

April 25, 1995

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

**From:** General Manager

**Subject:** Authorization No. 2 to increase Appropriation No. 567 from \$750,000 to \$3,561,000 to Expend Budgeted Funds for the Purchase of Telecommunication Equipment, Installation by District Personnel and to Award a Construction Contract for the Operations Control Center at the Eagle Rock Facility

**RECOMMENDATION:**

It is recommended that your Board authorize an increase of \$2,811,000 in Appropriation No. 567 from the 1992 Revenue Bond Construction Fund, to a total of \$3,561,000, to expend budgeted funds to finance all remaining costs for the construction of the Operations Control Center (OCC) at the Eagle Rock Facility.

It is also recommended that a construction contract for the OCC in the amount of \$1,523,289 be awarded to Cavecche Engineering and Construction Co., Inc., in accordance with Specifications No. 1275A, as amended, and that, conditioned upon execution of the contract, all other bids be rejected.

John R. Wodraska  
General Manager

Submitted by:

*Gary M. Snyder*  
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Gary M. Snyder  
Chief Engineer

Concur:

*John R. Wodraska*  
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John R. Wodraska  
General Manager  
CHT:aj  
(567-apr.doc/04185)

**BRIEF DESCRIPTION:**

In July 1993, your Board authorized Revision No. 1 to Appropriation No. 567 to increase funding to \$750,000 to finance all estimated costs for architectural and engineering services, including preparation of plans and specifications by a consultant, and design review and coordination by District personnel on the Eagle Rock Operations Control Center (OCC).

The OCC will allow the entire distribution system to be monitored and controlled from a single control center to optimize water distribution and hydroelectric power generation. In the event that the OCC becomes inoperable, local Area Control Centers at treatment plants can maintain functional operations in their areas. The OCC will also contain an Emergency Operations Center (EOC) to coordinate Metropolitan responses in the event of a major catastrophic event. The EOC will be activated during emergencies, including major earthquakes, to provide centralized damage assessment and coordinate response efforts to maintain system integrity. The appropriation for a new control system was approved by your Board in September 1991 under Appropriation No. 577. The existing Eagle Rock Control Facility cannot provide adequate space for the new control system and the EOC.

Thirteen bids have been received and opened under Specifications No. 1275A, as amended, for the construction of the Eagle Rock OCC. These bids are shown on the attached abstract of bids (see Attachment B). The low bid from Cavecche Engineering and Construction Co., Inc., in the amount of \$1,523,289, complies with the requirements of the specifications, is \$101,711 below the next lowest bid, and is \$271,632 below the engineer's estimate.

<p style="text-align: center;"><b><u>CONTRACT TYPE</u></b></p> <p><input checked="" type="checkbox"/> NEW</p> <p><input type="checkbox"/> AMENDED</p> <p style="text-align: center;"><b><u>CONTRACT FORM</u></b></p> <p><input type="checkbox"/> LEASE</p> <p><input type="checkbox"/> PROFESSIONAL SERVICES</p> <p><input checked="" type="checkbox"/> CONSTRUCTION</p>	<p style="text-align: center;"><b><u>FUNDING</u></b></p> <p><input checked="" type="checkbox"/> CAPITAL- APPROPRIATION INCREASE</p> <p><input type="checkbox"/> O &amp; M</p> <p style="text-align: center;"><b><u>BUDGET STATUS</u></b></p> <p><input checked="" type="checkbox"/> FY94/95AMT <u>\$1,211,800</u></p> <p><input type="checkbox"/> OUT-YEAR AMT \$</p> <p><input type="checkbox"/> NON-BUDGET AMT _____</p>	<p style="text-align: center;"><b><u>TYPE OF COMPETITION</u></b></p> <p><input checked="" type="checkbox"/> COMPETITIVE BIDDING</p> <p style="text-align: center;">Specifications No. <u>1275A</u></p> <p><input type="checkbox"/> NEGOTIATED CONTRACT</p>
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**PURPOSE/BACKGROUND:**

The primary purpose of the OCC is to provide centralized monitoring, coordination, and control of all water distribution facilities for Metropolitan.

As the water system operations become more complex, the District has developed a means to monitor and control the entire distribution system from one location, thereby improving efficiency and reducing costs. Using the latest control system technology, it is now feasible to monitor and control distribution operations from a single point, designated as the OCC. Currently, the control function is handled, to some extent, within the old control building at the existing Eagle Rock facility. With the expansion of Metropolitan's water distribution system, the construction of a new OCC is necessary to provide adequate space for the new control system. The new OCC will be constructed adjacent to the existing control building.

The new OCC will consist of a two-story building and an emergency generator building with a total area of about 10,860 square feet. The two-story building will contain the main control room, file server room, communications rooms, offices, and conference rooms. The second floor conference rooms can be converted to an EOC in case of emergencies. The OCC will be constructed while the existing control building remains in full operation.

**Actions & Milestone**

The contract completion is anticipated for February 1996.

**MBE/WBE:**

The specifications, as amended, established certified Minority-Owned Business Enterprise (MBE) and Women-Owned Business Enterprise (WBE) participation goals of 22 percent and 7 percent, respectively. The specifications also provided that a bidder which does not meet the indicated participation goals must submit documentation of its good faith effort to meet such goals. In the submission of its bid, Cavecche committed to achieve 0 percent MBE and .81 percent certified WBE participation. Since Cavecche did not meet the stated participation goals, its good faith effort was reviewed by the Office of Diversity, the Legal Department, and the Engineering Division. They found Cavecche's document good faith effort meets the criteria set forth in the specifications and is acceptable.

**CEQA COMPLIANCE / ENVIRONMENTAL DOCUMENTATION:**

The proposed project is exempt from the provisions of the California Environmental Quality Act because it entails demolition of a Metropolitan-owned single-family residence ancillary to the existing OCC and replacement of the residence with a new OCC structure. The new OCC structure will involve negligible expansion of use or capacity beyond that of the existing OCC.

<p><b><u>NUMBER OF BIDDERS</u></b></p> <p><u>26</u> CONTRACTORS REQUESTING PLANS</p> <p><u>13</u> BIDS SUBMITTED</p>	<p><b><u>EVALUATION CRITERIA</u></b></p> <p><u>LOW BID THAT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS, BIDDERS QUALIFICATIONS AND MBE/WBE PARTICIPATION ARE ALSO CONSIDERED.</u></p> <p><b><u>CONTRACTUAL DETAILS</u></b></p> <p><input checked="" type="checkbox"/> ANTICIPATED DURATION _____ <u>180</u> WORKING DAYS</p> <p><input type="checkbox"/> HOURLY RATES _____</p> <p><input checked="" type="checkbox"/> PREVAILING WAGE RATES WILL APPLY</p>
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FINANCIAL STATEMENT

(Program No. 5-5670-43)

The total estimated cost breakdown for Revision No. 1 and Authorization No. 2 is as follows:

	<u>Revision No. 1</u>	<u>Authorization No. 2</u>
Construction Specifications No. 1275A, low bid received April 17, 1995		\$1,523,289
Labor:		
Engineering	\$ 195,000	273,000
Contract Administration		38,000
Field Inspection		121,000
Survey		<u>10,000</u>
Total Labor	\$ 195,000	\$ 442,000
Materials & Supplies		449,000
Incidental Expenses	5,000	16,000
Professional & Technical Services	350,000	350,000
Equipment Use/Rental	2,000	14,000
Administrative Overhead	108,000	214,000
Contingency	<u>90,000</u>	<u>552,711</u>
TOTAL	\$ <u>750,000</u>	\$ <u>3,561,000</u>

## Projected Expenditure of Funds:

Through Fiscal Year 1993/94	\$ 505,000
Fiscal Year 1994/95	854,000
Fiscal Year 1995/96	<u>2,202,000</u>
TOTAL	\$ <u>3,561,000</u>

## Estimated Funds Required:

Initial	\$ 350,000
Rev. No. -- 1	400,000
Rev. No. -- 2	<u>2,811,000</u>
TOTAL	\$3,561,000

Source of Funds: 1992 Revenue Bond Construction Fund

Capital Program for Fiscal Year 1994/95  
(Program No. 5-5670-43)

Total Program Estimate	\$2,294,200
Program Estimate for F.Y. 1994/95	1,211,800

Class: 3--Programs that do not directly affect the delivery of water but demonstrate that economic savings outweigh program costs. This would include programs that reduce either labor or energy costs during the routine maintenance of the system.

Project Benefit: The entire distribution system could be monitored and controlled from a single control center to optimize water distribution and hydroelectric power generation. Emergency operations response can be coordinated and monitored at a centralized location.

## Attachment B

## The Metropolitan Water District of Southern California

Abstract of Bids Received April 17, 1995 at 2:00 p.m.  
 Specifications No. 1275A, as Amended  
 Eagle Rock Operations Control Center

The work under the specifications involves demolition of existing wood frame house and garage, and removal of A.C. paving, fencing, walls, earthwork, septic tank, concrete, landscaping, piping, electrical and other related work, and the construction of the new Operations Control Center including emergency generator room with fuel tank, slope stabilization, site work, and appurtenances.

Engineer's Estimate: \$1,794,921.00

Bidder & Location	Total
Caveeche Engineering Los Alamitos, California	\$1,523,289.00
Turning Point Constr. Inc. Temecula, California	\$1,625,000.00
Great West Contr. Inc. Anaheim, California	\$1,674,000.00
DTEC Construction, Inc. Gardena, California	\$1,695,000.00
Hayward Construction Co. Monrovia, California	\$1,716,447.00
Ed Layton Constr. Co., Inc Walnut, California	\$1,748,674.00
Chartered Constr. Corp. Los Angeles, California	\$1,770,000.00
Tricon, Inc. Van Nuys, California	\$1,805,000.00
Mallcraft, Inc. Pasadena, California	\$1,827,000.00
Adams/Mallory Constr. Inc. Placentia, Inc.	\$1,845,356.00
JMAR Corp. Inglewood, California	\$1,848,089.00
USS Cal Builders Culver City, California	\$1,896,000.00
Claremont Constructors, Inc. Claremont, California	\$1,925,000.00