

**MWD**

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

August 2, 1993

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

From: General Manager

Subject: Revision No. 6 to Appropriation No. 557 to Increase Funding from \$40,000,000 to \$160,000,000 to Finance all Estimated Costs for Mills Plant Expansion No. 2, and to Award a Contract for Construction.

### Report

In August 1992, your Board approved Revision No. 5 to Appropriation No. 557 in the amount of \$40,000,000 to finance all estimated costs for environmental mitigation, procurement of steel pipe and fittings, site preparation, and all estimated costs in advance of award of contract for the Henry J. Mills Filtration Plant Expansion No. 2.

Nine bids have been received under Specifications No. 1238A, as amended, for construction of the Henry J. Mills Filtration Plant Expansion No. 2; the proposals are shown on the attached Abstract of Bids. The low bid of M. A. Mortenson Co., in the amount of \$69,943,000, complies with the requirements of Specifications No. 1238A, as amended, is \$13,257,000 under the Engineer's estimate and is \$5,757,000 under the next lowest bid. M. A. Mortenson is qualified to perform this work.

The total estimated cost of the plant expansion is \$121,500,000. The total estimated cost of environmental mitigation, procurement of District-furnished equipment and materials, site preparation, and construction of the expansion and related facilities for the Henry J. Mills Filtration Plant Expansion No. 2, is \$160,000,000. A \$120,000,000 increase in Appropriation No. 557 is now required for the plant expansion. The breakdown of the total estimated costs for Revision Nos. 5 and 6 is shown on Attachment A.

### Additional Work

This increase in the appropriation also includes funds for design, procurement of materials, and installation by District forces for a plant control system and a public address system. Funds are also provided for design, procurement of materials and construction by contract for a Hypalon cover for

Reservoir No. 2, and a replacement of the Hypalon cover in the existing Reservoir No. 1.

M. A. Mortenson provided Metropolitan with documentation as to the good faith efforts to contract with minority and women contractors, subcontracts and vendors for services and supplies.

Compliance with the California Environmental Quality Act is provided for under the Final Environmental Impact Report for the Expansion No. 2 of the Henry J. Mills Filtration Plant, certified by your Board on February 11, 1991.

#### Board Committee Assignments

This letter is referred for action to:

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

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

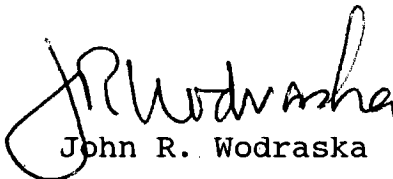
#### Recommendations

##### **FINANCE AND INSURANCE COMMITTEE FOR ACTION.**

It is recommended that your Board authorize an increase of \$120,000,000 in Appropriation No. 557 from the 1992 Revenue Bond Construction Fund, to a total of \$160,000,000 for construction of the Henry J. Mills Filtration Plant Expansion No. 2.

##### **ENGINEERING AND OPERATIONS COMMITTEE FOR ACTION.**

It is recommended that a contract in the amount of \$69,943,000 be awarded to M. A. Mortenson Co. for the Henry J. Mills Filtration Plant Expansion No. 2, and that, conditioned upon execution of the contract, all other bids be rejected.



John R. Wodraska

JIM:ks

(bdap:2apr-557/7193)

Attachments

FISCAL STATEMENT  
(Program No. 5-5570-31)

The total cost breakdowns for Revision Nos. 5 and 6 to Appropriation No. 557 are shown below:

	<u>Rev. No. 5</u>	<u>Rev. No. 6</u>
Construction Specifications No. 1238A, low bid received July 28, 1993 (Exp. No. 2)	\$	\$ 69,943,000
Construction Specifications No. 1237, low bid received July 27, 1992 (Site Work)	15,219,400	15,219,400
Construction Specifications No. 1241, low bid received February 18, 1992 (Property Fencing)	469,000	469,000
Specifications No. 1245, low bid received December 12, 1991 (Steel Pipe & Fittings) Applicable Taxes	1,050,000 76,125	1,050,000 76,125
Planning, Environmental, Water Quality, and Preliminary Engineering	1,950,000	1,950,000
Labor:		
Final Design and Preparation of Specifications	5,000,000	8,150,000
Post Design	300,000	1,200,000
Contract Administration, Inspection and Survey	1,200,000	10,000,000
District Forces	300,000	2,200,000
Materials and Supplies	700,000	5,200,000
Incidental Expenses	425,000	600,000
Professional Services:		
Montgomery Watson	2,700,000	3,244,500
Harding Lawson Associates	200,000	287,000
Others	200,000	990,000

	<u>Rev. No. 5</u>	<u>Rev. No. 6</u>
Operating Equipment	\$ 50,000	\$ 325,000
Administrative Overhead	3,751,700	11,889,700
Environmental Mitigation	750,000	750,000
Contracts (Future):		
Reservoir No. 1 Cover		1,500,000
Reservoir No. 2 Cover		1,300,000
Contingencies	<u>5,658,775</u>	<u>23,656,275</u>
Total . . . . .	<u>\$ 40,000,000</u>	<u>\$ 160,000,000</u>

Estimated Funds Required:

Initial	\$ 425,000
Revision No. 1	733,000
Revision No. 2	792,000
Revision No. 3	16,500,000
Revision No. 4	1,350,000
Revision No. 5	20,200,000
Revision No. 6	<u>120,000,000</u>
Total . . . . .	<u>\$ 160,000,000</u>

Source of Funds:

1992 Revenue Bond Construction Fund

Class One:

Projects directly related  
 to delivery of water.

Projected Expenditures of Funds:

Through Fiscal Year 1991/92	\$ 9,000,000
Fiscal Year 1992/93	31,000,000
Fiscal Year 1993/94	30,000,000
Fiscal Year 1994/95	39,400,000
Fiscal Year 1995/96	43,700,000
Fiscal Year 1996/97	<u>6,900,000</u>
Total . . . . .	<u>\$ 160,000,000</u>

Project Benefit:

The increased plant capacity is necessary to meet projected water demands in the Riverside County area.

Capital Program for Fiscal Year 1993/94:

Estimated Program Cost	\$ 215,000,000
Program Estimate Fiscal Year 1993/94	38,936,300
Estimated Additional Annual O&M Funds Required	\$ 1,600,000

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Abstract of Bids Received July 28, 1993 at 2:00 p.m.

Specifications No. 1238A, as Amended  
Construct Henry J. Mills Filtration Plant  
Expansion No. 2

The work under these specifications consists of construction of a filtration plant with two modules having a capacity of 110 mgd each, including influent and effluent conduits, filtration modules, chemical mixing and storage facilities, plant control structures, washwater reclamation facilities, and all appurtenant work, as an expansion of existing treatment facilities. The expansion work includes connection of several new systems to existing systems to permit an integrated operation of the expanded plant. The specifications require that all of this work be completed within 730 working days after the Contractor receives the Notice to Proceed. Under this schedule, the project should be completed by August 1996.

Engineer's estimate:       \$83,200,000

Abstract of Bids Received for  
Mills Filtration Plant Expansion No.2

July 28, 1993

Bidder and Location	Item 1 Mobilization and Demobilization	Item 2 Construction	Item 3 1 and 2	Item 4A Added differential for precast concrete underdrain	Item 4B Deducted differential for precast concrete underdrain	Item 5 3 and 4A or 4B
M. A. Mortenson Company Minneapolis, Minnesota	\$ 3,000,000	\$ 66,943,000	\$ 69,943,000	\$ 250,000	\$ 0	\$ 70,193,000
PCL Construction Services, Inc. Irvine, California	3,000,000	72,700,000	75,700,000	0	58,000	75,642,000
J. R. Filanc Construction Company, Inc. Oceanside, California	3,000,000	74,295,000	77,295,000	0	0	77,295,000
McCarthy Western Contractors, Inc. Irvine, California	3,000,000	74,716,383	77,716,383	0	50,000	77,666,383
Sundt-Eby a Joint Venture Phoenix, Arizona	3,000,000	78,300,000	81,300,000	150,000	0	81,450,000
Steve P. Rados Santa Ana, California	3,000,000	78,750,000	81,750,000	0	0	81,750,000
Advanco Constructors, Division of Zurn Constructors, Inc. Upland, California	3,000,000	79,000,000	82,000,000	315,000	0	82,315,000
Kiewit Pacific Company Santa Fe Springs, California	3,000,000	84,884,000	87,084,000	0	0	87,084,000
Hensel Phelps Construction Company Irvine, California	3,000,000	85,688,000	88,688,000	0	0	88,688,000