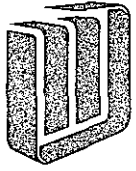


JUL 14 1992



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METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

[Signature]
EXECUTIVE SECRETARY 8-14

June 26, 1992

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

From: General Manager

Subject: Revision No. 1 to Appropriation No. 562 to Increase Funding from \$14,000,000 to \$24,000,000 to Finance all Estimated Costs of Construction of the Etiwanda Power Plant and to Award a Contract

Report

In July 1988, the Board approved Appropriation No. 562 in the amount of \$14,000,000 to finance all estimated costs in advance of award of a contract to construct the Etiwanda Power Plant. The capacity of the plant will be about 23.9 megawatts.

Six bids have been received and opened under Specifications No. 1230, as amended, for construction of the Etiwanda Power Plant and related facilities. The proposals are shown on the attached Abstract of Bids. The low bid of Advanco Constructors in the amount of \$3,820,000 complies with the requirements of Specifications No. 1230, as amended, is \$880,000 under the Engineer's estimate, and is \$651,000 below the next lowest bid. Advanco Constructors is qualified to perform this work and has successfully completed other projects for Metropolitan including the Etiwanda Control Facility and Pipeline.

The total estimated cost of the Etiwanda Power Plant is \$24,000,000 including the incremental cost of upsizing the regulating reservoir. An increase in Appropriation No. 562 is now required for construction. Breakdowns for the initial funding and for Revision No. 1 estimated costs are included as Attachment B.

The estimated costs of upsizing the regulating reservoir from 200 to 450 acre-feet (AF) to allow peaking of the Etiwanda Power Plant is \$4,500,000. The reservoir is being constructed as part of the Etiwanda Control Facility contract under Appropriation No. 528. It is proposed that the incremental cost of upsizing the regulating reservoir be transferred from Appropriation No. 528 to Appropriation No. 562.

All California Environmental Quality Act (CEQA) requirements have been satisfied for the proposed action. On June 14, 1988, your Board certified the Final Environmental Report for the Etiwanda Pipeline and Power Plant. This action satisfied the provisions of CEQA in regard to this matter and no further environmental documentation or review is necessary for your Board to take action on this request.

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 the Board authorize an increase of \$10,000,000 in Appropriation No. 562 from the Pay-As-You-Go Fund, to a total of \$24,000,000, for construction of the Etiwanda Power Plant.

ENGINEERING AND OPERATIONS COMMITTEE FOR ACTION.

It is recommended that a contract in the amount of \$3,820,000 be awarded to Advanco Constructors for construction of the Etiwanda Power Plant and that, conditioned upon execution of the contract, all other bids be rejected.



Carl Boronkay

JIM:rdl/atr

(apr562-6292)

Attachments

Attachment A

THE METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

Abstract of Bids Received June 16, 1992, at 10:00 a.m.

Specifications No. 1230, as Amended
Construction of the Etiwanda Power Plant

The work under these specifications involves the construction of a power plant with a 25,200 kVA A.C. generator, a maintenance building, a switchyard, and all the appurtenant works. The A.C. generator will be furnished by the District but shall be installed by the Contractor. Portions of the work involve connecting several new systems to existing systems to permit an integrated operation of the facility. The work is to be completed within 300 working days after the contractor receives the Notice to Proceed. Under this schedule, the work should be completed by October 1993.

Engineer's Estimate: \$4,700,000

Bidder & Location	Item 1	Item 2	Total 1 & 2
Advanco Constructors, Div. Zurn Constructors, Inc. Upland, California	\$200,000	\$3,620,000	\$3,820,000
Dillingham Construction N.A., Inc. Pleasanton, California	\$200,000	\$4,271,000	\$4,471,000
Kiewit Pacific Company Santa Fe Springs, California	\$150,000	\$4,435,000	\$4,585,000
Hunter Corporation Carlsbad, California	\$234,750	\$4,460,250	\$4,695,000
Roebbelen Construction, Inc. El Dorado Hills, California	\$250,000	\$5,300,000	\$5,550,000
SC Engineering Co., Inc. Torrance, California	\$488,000	\$6,484,000	\$6,972,000

Attachment B

FISCAL STATEMENT

The total cost breakdowns for the initial funding and Revision No. 1 to Appropriation No. 562 are shown below:

	<u>Initial</u>	<u>Rev. No. 1</u>
Construction Specifications	\$ 0	\$ 3,820,000
No. 1230 low bid received		
June 16, 1992		
Labor		
Preliminary Engineering	235,000	235,000
Final Design and		
Preparation of Specifications	965,000	1,065,000
Post Design	0	465,000
Contract Administration,		
Inspection and Survey	0	845,000
Operations	0	300,000
Operation and Acceptance Testing		150,000
Start-up Costs		100,000
Materials and Supplies	10,600,000	6,915,000
Incidental Expenses	0	150,000
Professional Services	150,000	200,000
Installation Services	0	700,000
by Turbine Supplier		
Right of Way	0	85,000
Operating Equipment	50,000	10,000
Administrative Overhead	673,000	1,743,000
Edison Interconnection	0	482,000
Regulating Reservoir	0	4,500,000
Contingencies	<u>1,327,000</u>	<u>2,235,000</u>
Total	\$ 14,000,000	<u>\$ 24,000,000</u>

Estimated Funds Required:

Initial	\$ 14,000,000
Revision No. 1	<u>10,000,000</u>
Total	<u>\$ 24,000,000</u>

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

Class: One-projects directly related
to delivery of water.

Projected Expenditures of Funds:

Through 1991/92	\$ 9,000,000
1992/93	11,500,000
1993/94	<u>3,500,000</u>
Total	<u>\$ 24,000,000</u>

Project Benefit: The proposed power plant will generate about 158 million kilowatt-hours per year of nonpolluting hydroelectric energy.