

MAY - 9 1995

8-4

Karen E. Duff
EXECUTIVE SECRETARY

April 25, 1995

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

From: General Manager

Subject: Authorization No. 1 to Appropriation No. 611 to Increase Funding from \$450,000 to \$2,854,000 to Expend Budgeted Funds for all Estimated Costs for Furnishing and Installing a Centralized Emergency Power Generation System at the Skinner Filtration Plant, and to Award a Contract

RECOMMENDATION:

It is recommended that your Board authorize an increase of \$2,404,000 in Appropriation No. 611 from the Pay-As-You-Go Fund to a total of \$2,854,000, for furnishing and installing a centralized emergency power generation system at the Robert A. Skinner Filtration Plant.

It is recommended that a construction contract in the amount of \$1,429,000 be awarded to Turning Point Construction Inc., to furnish and install an emergency power generation system at the Robert A. Skinner Filtration Plant, and that, conditioned upon execution of the contract, all other bids be rejected.

John R. Wodraska
General Manager

Submitted by:

Gary M. Snyder
Gary M. Snyder
Chief Engineer

Concur:

John R. Wodraska

John R. Wodraska
General Manager

dwc:aj
(611-apr/04185)
Attachments

BRIEF DESCRIPTION:

In September 1990, your Board approved Appropriation No. 611 in the amount of \$450,000 to finance design and all estimated costs in advance of award of a contract for furnishing and installing a centralized emergency power generation system at the Skinner filtration plant.

Five bids were received and opened under Specifications No. 1234B, as amended, to construct a concrete masonry building, furnish and install two new diesel-operated emergency power generators and controls, switchgears, emission control equipment, and fuel storage systems at the Robert A. Skinner Filtration Plant. These bids are shown in the Abstract of Bids on Attachment B. The low bid of Turning Point Construction Inc., in the amount of \$1,429,000 complies with the requirements of the specifications, and is \$85,377 below the next lowest bid, and \$140,000 below the Engineers Estimate.

A \$2,404,000 increase in Appropriation No. 611 is required to finance all remaining costs for construction of a masonry building, and for furnishing and installing an emergency power generation system at the Robert A. Skinner Filtration Plant. A breakdown of all estimated costs is contained in the Financial Statement on Attachment A.

<p style="text-align: center;"><u>CONTRACT TYPE</u></p> <p><input checked="" type="checkbox"/> NEW</p> <p><input type="checkbox"/> AMENDED</p> <p style="text-align: center;"><u>CONTRACT FORM</u></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;"><u>FUNDING</u></p> <p><input checked="" type="checkbox"/> CAPITAL</p> <p><input type="checkbox"/> O & M</p> <p style="text-align: center;"><u>BUDGET STATUS</u></p> <p><input checked="" type="checkbox"/> FY 94/95 AMT <u>\$1,368,300</u></p> <p><input checked="" type="checkbox"/> OUT-YEAR AMT <u>\$1,171,100</u></p> <p><input type="checkbox"/> NON-BUDGET AMT _____</p>	<p style="text-align: center;"><u>TYPE OF COMPETITION</u></p> <p><input checked="" type="checkbox"/> COMPETITIVE BIDDING Specification No. <u>1234B</u></p> <p><input type="checkbox"/> NEGOTIATED CONTRACT</p>
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PURPOSE/BACKGROUND:

The District's criterion for providing emergency power at filtration plants was recently revised from requiring plants to only operate at limited capacity for a short period, to operating at a minimum of 50 percent of plant processing capacity throughout the extent of a power outage.

The present Skinner emergency power generation system consists of five standby generators of varying capacities serving a specific load in different areas of the plant. In the event of a major seismic occurrence or other disaster, the Skinner filtration plant could only deliver a very limited amount of treated water for a short period due to the limited capability of the existing standby emergency generators.

In 1990, the Boyle Engineering Corporation was contracted to study emergency power requirements at District filtration plants. The conclusion of the study recommended centralizing the emergency power generation systems with fewer larger capacity generators for efficiency and cost effectiveness. In late 1992, Boyle Engineering was contracted to design a centralized power generation system for the Skinner filtration plant. The new system will consist of two new 4160-Volt, 1000-kilowatt diesel engine emergency generators to replace the five presently in use at Skinner. The generators, associated switching gear and equipment will be housed in a masonry building of approximately 2,000 square feet, with a new main fuel system. Three of the larger existing generators will be retained as part of the new system to provide additional redundancy. One 150 kw standby generator will be installed on a trailer for emergency use at any District facility, and one 150 kw generator will be relocated to Gene Pumping Plant.

ACTIONS & MILESTONE:

Final design was completed in mid-1993. Specifications No. 1234 was advertised in late 1993 but was rescinded prior to bid opening and amended to meet new specification requirements. The specifications were again advertised in late 1994 under Specifications No. 1234A but bids were rejected when the low bidder did not meet all District requirements as advertised. In March 1995, the specifications were again advertised under Specifications No. 1234B. Construction is anticipated to begin in June 1995 and to be completed in mid-1996.

MBE/WBE:

The specifications, as amended, established Minority-Owned Business Enterprise (MBE) and Women-Owned Business Enterprise (WBE) certified participation goals of 12 percent MBE and 4 percent WBE. 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. Turning Point Construction Inc. has committed to achieve 3.22 percent certified MBE and 58.15 percent certified WBE participation. The MBE and WBE subcontractors are listed in Attachment C. Turning Point Construction Inc. is a certified women-owned business enterprise and proposes to perform 58.07 percent of the contract work. Turning Point Construction's documented good faith effort was reviewed by the Office of Diversity, Legal Department, and Engineering Division and meet 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 as it consists of modifications of existing facilities, involving no expansion of use beyond that previously existing.

PLAN & BID STATISTICS

17 CONTRACTORS REQUESTED PLANS

5 BIDS SUBMITTED

EVALUATION CRITERIA

LOW BID THAT MEETS THE REQUIREMENTS OF THE SPECIFICATIONS. BIDDERS QUALIFICATIONS AND MBE/WBE PARTICIPATION ARE ALSO CONSIDERED.

CONTRACTUAL DETAILS

- ANTICIPATED DURATION 250 DAYS
- HOURLY RATES _____
- PREVAILING WAGE RATES WILL APPLY

Attachment A

Financial Statement

(Capital Program No. 5-6110-31)

The total cost breakdown for initial funding and Authorization No. 1 to Appropriation No. 611 is as follows:

	<u>Initial Funding</u>	<u>Authorization No. 1</u>
Construction Specifications No. 1234B, low bid received April 1995	\$ 0	\$ 1,429,000
Labor:		
Engineering and Specifications	\$ 60,000	\$ 175,700
Operations & Environmental	0	6,800
Contract Administration	0	38,300
Field/Fabrication Inspection	0	243,000
Survey, and Soils and Concrete	<u>0</u>	<u>16,200</u>
Labor Total	60,000	480,000
Incidental	5,000	25,000
Professional Technical Services		
Boyle Engineer	320,000	320,000
Operating Equipment and Miscellaneous	2,000	10,000
Administrative Overhead	28,000	230,000
Contingencies	<u>35,000</u>	<u>360,000</u>
Project Total	\$ 450,000	<u>\$ 2,854,000</u>
Projected Expenditure of Funds:		
Through Fiscal Year 1990/91		\$ 40,000
Fiscal Year 1991/92		150,000
Fiscal Year 1992/93		160,000
Fiscal Year 1993/94		50,000
Fiscal Year 1994/95		150,000
Fiscal Year 1995/96		<u>2,304,000</u>
Total		<u>\$ 2,854,000</u>

Financial Statement (cont.)

Source of Funds:

Pay-As-You-Go Fund

Class:

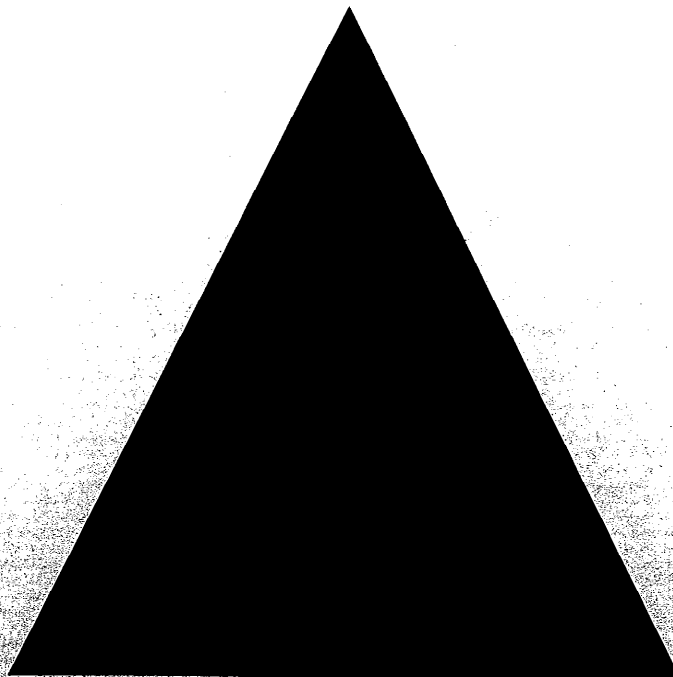
One--Project directly related to the delivery of water.

Project Benefit:

Will provide efficient emergency power at the most effective cost for plant operations during utility power outage for continuous water deliveries to member agencies.

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