



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

AUG 20 1996

8-1

Dawn Chen
EXECUTIVE SECRETARY July 30, 1996

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

From: General Manager

Submitted by: Gary M. Snyder
Chief Engineer

Subject: Award of Contract in the Amount of \$3,087,493 to Lamb Engineering & Construction Co., for Joseph Jensen Filtration Plant Expansion No. 1 Centralized Emergency Power System Additions under Specifications No. 1285A, as Amended

RECOMMENDATION

It is recommended that a construction contract for Joseph Jensen Filtration Plant Expansion No. 1 Centralized Emergency Power System Additions in the amount of \$3,087,493 be awarded to Lamb Engineering & Construction Co., in accordance with Specifications No. 1285A, as amended, and that, conditioned upon execution of the contract, all other bids be rejected.

EXECUTIVE SUMMARY

Approval of this recommendation will authorize the award of a contract in the amount of \$3,087,493 to Lamb Engineering & Construction Co. (Lamb), for the construction of Centralized Emergency Power System Additions for Joseph Jensen Filtration Plant (Jensen) Expansion No. 1. If approved, the work will be scheduled for completion by August 1997. Funds for this work are available under Appropriation No. 527.

BRIEF DESCRIPTION

Four bids have been received and opened under Specifications No. 1285A, as amended, for the construction of Centralized Emergency Power System Additions for Jensen Expansion No. 1. These bids are shown on the attached Abstract of Bids on Attachment A. The low bid from Lamb in the amount of \$3,087,493, complies with the requirements of the specifications, is \$170,619 below the next lowest bid, and \$112,507 below the Engineer's Estimate. Lamb is qualified to perform this work.

Contract Type <input checked="" type="checkbox"/> New <input type="checkbox"/> Amended Contract Form <input type="checkbox"/> Lease <input type="checkbox"/> Professional Services <input checked="" type="checkbox"/> Construction	Funding <input checked="" type="checkbox"/> Capital-Appropriation No. 527 <input type="checkbox"/> O & M Budget Status <input checked="" type="checkbox"/> FY 96/97 AMOUNT <u>\$10,954,800</u> <input checked="" type="checkbox"/> Out-Year Amount <u>\$2,873,000</u> <input type="checkbox"/> Non-Budget Amount _____	Type of Competition <input checked="" type="checkbox"/> Competitive Bidding Specification No. 1285A <input type="checkbox"/> Negotiated Contract <input type="checkbox"/> Sole Source
---	---	--

PURPOSE/BACKGROUND

Since 1990, Metropolitan's criteria for standby emergency power during utility power outages call for providing power to operate filtration plants at full capacity during an outage period. The existing standby emergency generator system at Jensen consists of several small-capacity generators providing limited emergency power to individual plant areas. Based upon the operation and maintenance evaluations, it was determined that a centralized emergency power generation system, with two large-capacity generators, would be more efficient and cost-effective than the noncentralized systems.

In July 1991, your Board approved Revision No. 4 to Appropriation No. 527 to increase funding to \$185 million to finance all estimated costs for construction of Expansion No. 1 to Jensen. The Centralized Emergency Power work consists of construction of a concrete masonry structure to house two new 4.16 kV, 1,500 kW diesel-operated emergency power generators and controls, underground fuel storage systems and all appurtenances. The work also requires the relocation of an existing Los Angeles Department of Water and Power (DWP) electrical substation to a permanent site adjacent to the centralized emergency power generation facility, and installation of new switchgear. The DWP electrical substation was installed at a temporary site to replace the original substation damaged in the 1994 Northridge earthquake. Other work includes the installation of additional power breakers and protection relays to accommodate the increased load due to the plant's expansion work.

ALTERNATIVES TO PROPOSED ACTION

The alternative to the proposed action would be not to complete the construction work; however, this may result in the interruption of water deliveries in the event of a major utility power outage.

ACTION AND MILESTONES

Bids were received and opened on July 16, 1996. The work is anticipated to start in September 1996, and is scheduled for completion in 240 working days. Under this schedule, the contract should be completed in August 1997.

MBE/WBE

The specifications, as amended, require the successful bidder to subcontract a minimum of 19 percent to qualified subcontractors. The anticipated levels of participation for certified minority-owned business enterprises (MBE) and woman-owned business enterprises (WBE) were established at 11 percent and 3 percent, respectively. Lamb, the low bidder, has exceeded the subcontracting minimum and has committed to utilize certified minority-owned businesses for 9.82 percent of the work. The contractor's good faith effort documentation was reviewed by the Business Outreach Office and deemed acceptable for consideration of an award. The subcontractors are listed on Attachment B.

CEQA COMPLIANCE / ENVIRONMENTAL DOCUMENTATION

Under the provisions of the California Environmental Quality Act (CEQA), a Negative Declaration was prepared for Expansion No. 1 of Jensen. The Negative Declaration was approved by your Board in March 1989. An Addendum to the original Negative Declaration was approved by your Board in April 1990. These actions satisfied the provisions of CEQA in regard to these matters, and no further environmental review or documentation is necessary for your Board to act on this request.

<p>Plan and Bid Statistics <u>43</u> Contractors Requested Plans <u>4</u> Bids Submitted</p>	<p>Evaluation Criteria (Low bid that meets the requirements of the specifications. Bidders qualifications and MBE/WBE participation are also considered.)</p> <p>Contractual Details <input checked="" type="checkbox"/> Anticipated Duration 240 Working Days <input type="checkbox"/> Hourly Rates <input checked="" type="checkbox"/> Prevailing Wage Rates Will Apply</p>
---	---

The Metropolitan Water District of Southern California

**ABSTRACT OF BIDS RECEIVED JULY 16, 1996 AT 2:00 PM
Specifications No. 1285A**

**Joseph Jensen Filtration Plant Expansion No. 1
Standby Emergency Power System Additions**

This project consists of construction/installation of a concrete masonry structure, new diesel-operated emergency power generators and controls, switchgear, underground fuel storage systems, and appurtenant work. The project includes modifications of existing site switchgear and facilities associated with the installation of new facilities.

Engineer's Estimate: \$3,200,000

Bidder & Location	Item 1 Mobilization	Item 2 Emergency Power System Additions	Total 1 & 2
Lamb Engineering & Construction Co. - Salt Lake City, Utah	\$120,000	\$2,967,493	\$3,087,493
Mel Smith Electric, Inc. - Stanton, California	\$120,000	\$3,138,112	\$3,258,112
Taft Electric Company - Ventura, California	\$120,000	\$3,162,000	\$3,282,000
DTEC Construction, Inc.* Hawthorne, California	\$120,000	\$3,478,000	\$3,598,000

*DTEC Construction, Inc., bid proposal was deemed nonresponsive.

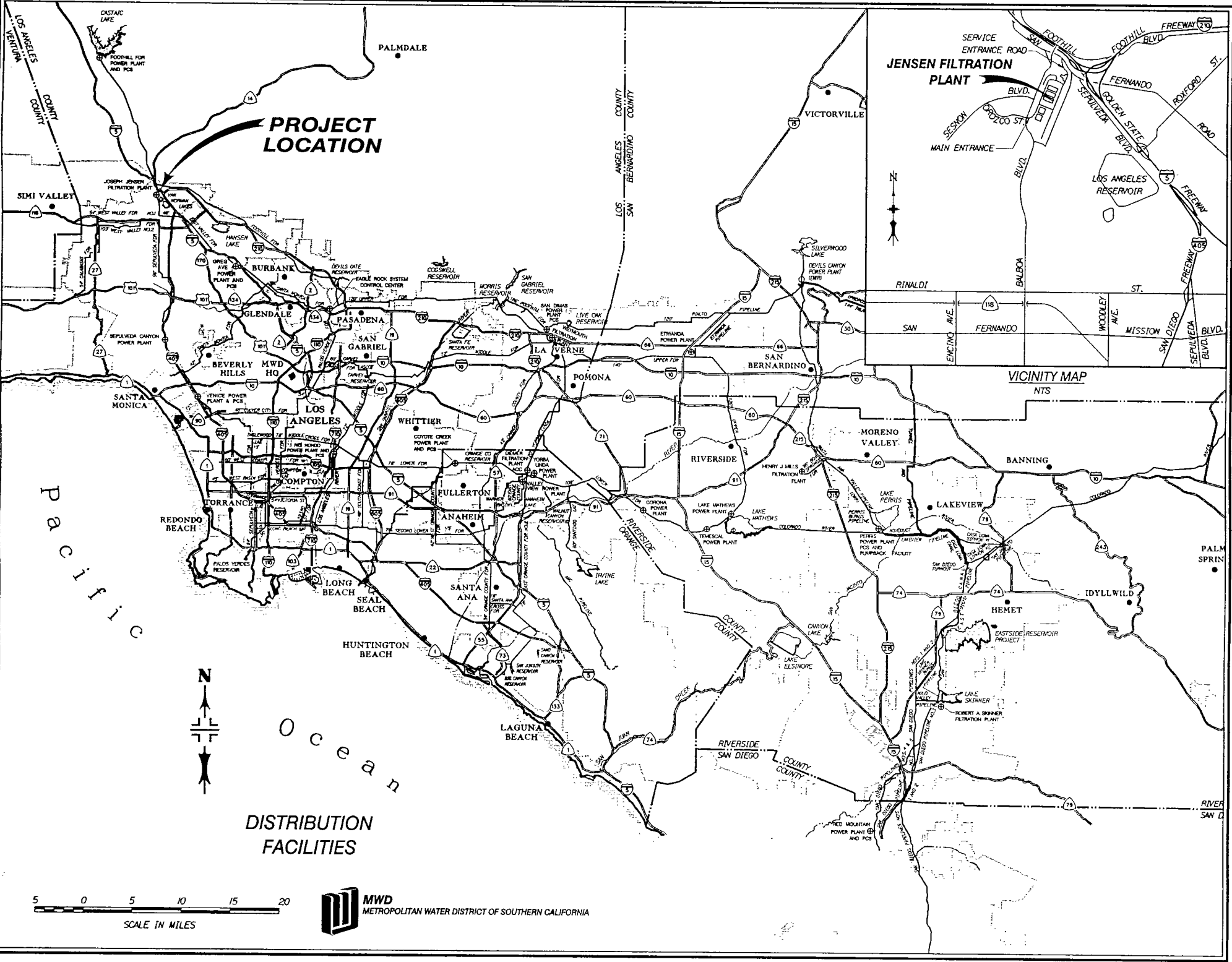
NOTE: Converse Consultants West submitted a proposal for providing only materials inspection and testing services for the subject project; therefore the proposal was not included in the bid results.

MBE/WBE PARTICIPATION
Spec. No. 1285A

Name of Bidder: Lamb Engineering & Construction Co.

ANTICIPATED PARTICIPATION LEVELS: 11 Percent MBE and 3 Percent WBE

Name of Certified MBE/WBE Subcontractor/Supplier	Work to Be Performed or Materials To Be Supplied	Participation	
		MBE%	WBE%
<i>Angelos ARC Roofing Co., Inc.</i>	<i>Built-Up Roof</i>	1.68	
<i>Anzalone & Associates, Inc.</i>	<i>Painting</i>	1.64	
<i>Lindero Masonry, Inc.</i>	<i>Masonry</i>	2.66	
<i>Air Flow Mechanical</i>	<i>HVAC/Louvres</i>	3.39	
<i>A. J.'s Concrete Cutting</i>	<i>Concrete Cutting</i>	.08	
<i>City & County Soil Engineering and Testing</i>	<i>Testing</i>	.37	
Total Participation		9.82	0

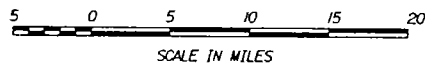


PROJECT LOCATION

JENSEN FILTRATION PLANT

VICINITY MAP
NTS

DISTRIBUTION FACILITIES



MWD
METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

42019