



MWD

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA

JUN 13 1995


EXECUTIVE SECRETARY

May 30, 1995

To: Board of Directors (Finance and Insurance Committee – Action)
(Water Planning and Resources Committee – Action)

From: General Manager

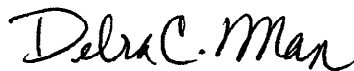
Subject: Authorize General Manager to Enter into an Agreement for the Development of the Integrated Resources Planning Distribution System Model

RECOMMENDATION:

It is recommended that your board authorize the General Manager to enter into an agreement, in the form approved by the General Counsel, with Diba Consulting Software Engineers in accordance with the Request for Proposals No. 145 in an amount not to exceed \$940,000 for system engineering and software development services to develop the Integrated Resources Planning Distribution System Model to support the ongoing efforts of the: Integrated Resources Plan Implementation, Water Management Programs, Wheeling Policy, and Capital Improvement Program updates. It is also recommended that the General Manager be authorized to execute contract amendments within this cost ceiling providing for changes in scope and personnel required.

John R. Wodraska
General Manager

Submitted by:



Debra C. Man, Chief
Planning and Resources


Edward G. Means
Chief of Operations

Concur:



John R. Wodraska
General Manager

TB:arb

Attachment

TBRFP145/BOARD

BRIEF DESCRIPTION:

Request for Proposals (RFP) No. 145 solicited proposals for development of the Integrated Resources Planning (IRP) Distribution System Model and geographic information system (GIS) interface. Proposals were received from four bidders.

Minority-Owned Business Enterprise (MBE) and Women-Owned Business Enterprise (WBE) participation goals were established at 15% and 5% respectively. Two of the four respondents exceeded this goal, while the remaining bidders did not reach the target.

Each bidder responded according to their evaluation of the requirements to develop the IRP Distribution System Model. Each proposal was evaluated based on six criteria; project understanding, technical approach, knowledge of Metropolitan and its member agencies, experience of personnel, MBE/WBE participation, and participation of Southern California based firms. The recommended bidder is the team headed by Diba Consulting Software Engineers (DCSE). Attachment A presents the Evaluation Summary leading to this recommendation.

The DCSE team includes: A&N Technical Services, Bookman-Edmonston Engineering, Camp Dresser & McKee, CDS Information Services, Environmental Systems Research Institute (ESRI), GIS Solutions, and Hydrosystems Consulting. DCSE has many years of experience in systems optimization and GIS technologies. A&N Technical Services is the developer of IRPSIM, the highly successful reliability analysis software, used for evaluation during Metropolitan Water District of Southern California's (Metropolitan) IRP process. Bookman-Edmonston Engineering will contribute through its extensive knowledge of Metropolitan's distribution system and Colorado River Aqueduct and State Water Project imported supplies. Camp Dresser & McKee, in addition to developing the hydraulics model currently used by Planning and Resources Division, has extensive knowledge of local groundwater and its related issues and has served as the primary consultant during Metropolitan's IRP process. CDS Information Systems is a WBE firm experienced with Metropolitan's database systems and currently working on Metropolitan's WINS database project. ESRI is the developer of ARC/INFO GIS software, one of Metropolitan's GIS platforms. GIS Solutions is a MBE firm experienced with Metropolitan's GIS databases and protocols. Finally, Hydrosystems Consulting is a MBE firm with extensive experience in the area of systems optimization. All firms have committed their top personnel to this project.

<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>FUNDING</u></p> <p><input type="checkbox"/> CAPITAL</p> <p><input checked="" type="checkbox"/> O & M</p>	<p style="text-align: center;"><u>TYPE OF COMPETITION</u></p> <p><input type="checkbox"/> RFQ</p> <p><input checked="" type="checkbox"/> RFP NO. <u>145</u></p> <p><input type="checkbox"/> INFORMAL RFP</p> <p><input type="checkbox"/> OTHER COMPETITION</p>
<p style="text-align: center;"><u>CONTRACT FORM</u></p> <p><input type="checkbox"/> LEASE</p> <p><input checked="" type="checkbox"/> PROFESSIONAL SERVICES</p>	<p style="text-align: center;"><u>BUDGET STATUS</u></p> <p><input checked="" type="checkbox"/> FY 95/96 AMT <u>\$650,000</u></p> <p><input checked="" type="checkbox"/> OUT-YEAR AMT <u>\$290,000</u></p> <p><input type="checkbox"/> NON-BUDGET AMT _____</p>	<p><input type="checkbox"/> SOLE SOURCE</p>

PURPOSE/BACKGROUND:

As Metropolitan proceeds with the implementation of the Integrated Resources Plan and its Shortage/Surplus Resources Management Plan, more detailed and refined analyses of Metropolitan's supply availability and distribution system is required. A comprehensive distribution system routing model is needed to analyze key system operations and resource management strategies regarding:

- benefits of blending State Water Project and Colorado River water deliveries to maintain acceptable levels of Total Dissolved Solids (salinity) for reclamation and groundwater replenishment,
- the excess distribution capacity available for wheeling,
- routing of water for improved member agency reliability,
- optimal routing for hydroelectric generation,
- coordinated groundwater and surface storage operations,
- improved SWP operations incorporating the recent Bay/Delta Accord and SWP contract negotiations, and
- operational and capital improvement cost reductions.

The scope of this modeling effort has been discussed previously in an Information Board Letter presented at the March Board and demonstrated in oral report at the May Board meeting.

This is a joint divisional project with Operations and Planning and Resources divisions. It is envisioned to last 18 months with a preliminary system router delivered late in calendar year 1995. In order to more accurately model and easily present results, a geographic information system (GIS) interface will be developed as part of this project.

MBE/WBE:

The RFP established certified MBE and WBE participation goals of 15% MBE and 5% WBE. The recommended bidder, DCSE, has two sub-contracting firms, GIS Solutions and Hydrosystems Consulting, which are certified MBE and comprise 16% of the proposed contract. Additionally, CDS Information Systems is both MBE and WBE certified and is proposed to perform 5% of the contract.

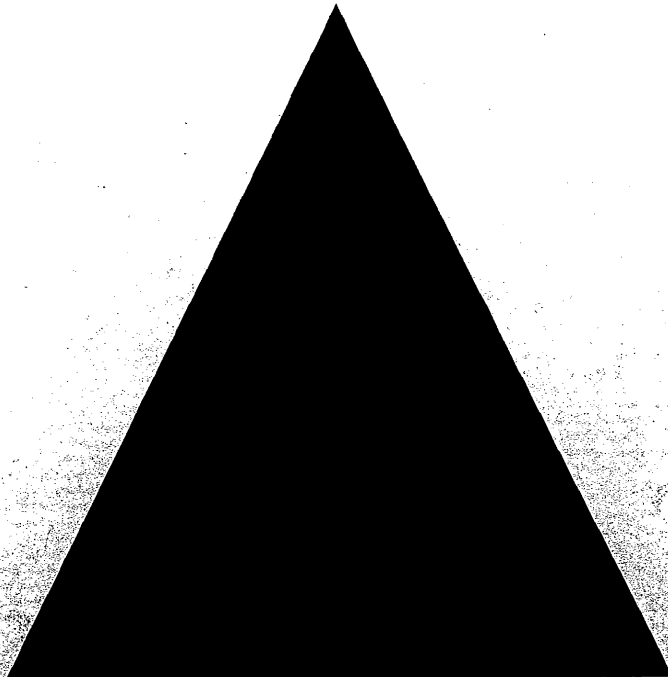
CEQA COMPLIANCE / ENVIRONMENTAL DOCUMENTATION:

N/A

<p><u>RFP STATISTICS</u></p> <p><u>19</u> FIRMS REQUESTED RFP</p> <p><u>4</u> FIRMS SUBMITTED PROPOSALS</p> <p><u>1</u> FIRMS WERE SHORT-LISTED</p> <p><u>CONTRACTS WITH CONSULTANT</u></p> <p><input checked="" type="checkbox"/> TOTAL NO. <u>1</u></p> <p><input checked="" type="checkbox"/> MAXIMUM DOLLAR AMT. <u>\$200,000</u></p>	<p><u>EVALUATION CRITERIA</u></p> <p><u>PROJECT UNDERSTANDING (20%), TECHNICAL APPROACH AND PROPOSAL (25%), KNOWLEDGE OF MWD AND MEMBER AGENCIES (15%), EXPERIENCE OF KEY PERSONNEL (25%), MBE/WBE PARTICIPATION (10%), SOUTHERN CALIFORNIA BASED FIRMS (5%) (SEE ATTACHMENT A)</u></p> <p><u>CONTRACTUAL DETAILS</u></p> <p><input checked="" type="checkbox"/> ANTICIPATED DURATION <u>18 MONTHS</u></p> <p><input checked="" type="checkbox"/> HOURLY RATES <u>AVERAGE \$65-\$95</u></p>
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