



WEST BASIN MUNICIPAL WATER DISTRICT
17140 S. Avalon Blvd., Suite 210
Carson, CA 90746

AGENDA NO. 32

APRIL 15, 2010 – Water Resources

Little (Chair), Gray

APRIL 26, 2010 – Board Meeting

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Approved by: Rich Nagel

ACTION CALENDAR

WATER DEMAND ASSESSMENT AND FORECASTING MODEL AND 2010 URBAN WATER MANAGEMENT PLAN CONSULTANT SERVICES AWARD

SUMMARY:

Recently, staff presented an Information item regarding updating our Urban Water Management Plan (UWMP), pursuant to the Urban Water Management Planning Act, and developing a Water Demand Assessment and Forecasting Model. These items were presented as separate planning efforts. Subsequently, staff combined these two efforts into one because they essentially complement each other. The results of the demand forecasts from the model will be incorporated into the 2010 UWMP and both these efforts will be coordinated under one contract.

The Water Demand Assessment and Forecasting Model will enable staff to use the model to run different scenarios from the effects of multiple variables to determine changes in water demands in the future. This model will be interactive, user-friendly, and maintained by staff to account for changed conditions. One of the valuable applications of this new tool will be greater accuracy in forecasting West Basin Municipal Water District's (West Basin) compliance with the new law requiring a 20% reduction in water use by the year 2020. Staff currently uses population as the only driver in determining water demands into the future. This new model will incorporate other drivers in the analysis; therefore, providing a better forecast of water supply needs.

The Urban Water Management Planning Act (Act) requires that urban water suppliers supplying more than 3,000 acre-feet annually or 3,000 customers prepare a UWMP in years ending in 5 and 0. The Act describes in detail the content of the plans to be submitted to the California Department of Water Resources. The updated UWMP is due to the Department of Water Resources by December 31, 2010. A final draft of West Basin's UWMP will be made available to its customer agencies by August 2010, followed by a workshop in September 2010 to present our data and receive input.

Procurement Process

To assist in updating and finalizing the 2010 UWMP and developing the demand model, staff issued a "Request for Proposals" (RFP) for consulting services on February 18, 2010 on The Network System. Over 900 vendors received the e-mail notification that the RFP was available for download. Staff held a mandatory pre-proposal meeting via conference call and web conferencing on March 2, 2010. Twelve firms participated in the pre-proposal meeting and four firms submitted a proposal, with two firms from the pre-proposal meeting partnering together. On April 1, 2010 representatives from the Water Replenishment District of Southern California, Municipal Water District of Orange County, and two staff members from West Basin participated on the interview panel and in reviewing the four proposals.

Results

The results of the proposal review and interview are as follows:

	Average Proposal Score	Average Interview Score	Average Combined Score
RMC/A&N	48	47	95
Kennedy/Jenks	44	44	88
Malcolm Pirnie	45	41	86
Project Partners	38	33	71

The term of the contract will be from May to December 2010 for an amount not-to-exceed \$89,987. Based on a unanimous decision from the interview panel, staff recommends retaining the team of RMC Water and Environment and their sub-consultant A&N Technical Services to perform the services requested. Reasons include:

- The team presented a clear and concise proposal and interview materials that addressed West Basin’s needs better than the other teams;
- The team has a clear understanding of the demand forecasting model that West Basin will require in order to gain the results desired as opposed to the other three teams that proposed models that would not work well for a water wholesaler;
- The team has prior experience working on UWMPs and a comprehensive knowledge of the new requirements set forth by the Department of Water Resources;
- Their understanding of the hours/budget required to update the UWMP is more realistic for the needs of West Basin as opposed to two of the other teams that provided more emphasis on the UWMP and not on the model;
- A&N Technical Services is currently working on the eight West Basin retailer water use efficiency plans and the update to West Basin’s Conservation Master Plan through a separate contract and the data that is required for these plans will also be required for the model and UWMP, so there is cost-savings and efficiency of resources associated with using this firm for the services requested;
- A&N Technical Services’ specific experience working on Metropolitan Water District’s demand forecasting model will provide the basis for developing West Basin’s model, focusing on our service area specifically; and
- The panel had greater confidence in this team to deliver the most practical and effective demand model and providing the UWMP update more efficiently than the other proposing teams.

A "Scope of Work" (Exhibit "A") includes the list of tasks that will be performed by the team.

STRATEGIC BUSINESS PLAN IMPLEMENTATION:

Goal 1: Water Reliability – West Basin is committed to innovative planning and investments to provide water supply reliability and drought protection.

FISCAL IMPACTS:

Funds for this project are included in the Fiscal Year 2009-10 and will be included on 2010-11 Water Resources Planning Budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on April 15, 2010 and recommended for approval at the April 26, 2010 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to enter into an agreement with RMC Water and Environment for consultant services in an amount not-to-exceed \$89,987, including 10% contingency for a total not-to-exceed contract amount of \$98,986.

LIST OF EXHIBITS:

Exhibit "A" – Scope of Work
Exhibit "B" – Consultant Firms Detailed Evaluation