

WEST BASIN MUNICIPAL WATER DISTRICT

MARCH 13, 2008 - Water Resources
 Smith (Chair), Little
MARCH 24, 2008 – Board Meeting
 Prepared by: Rajen Budhia
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 Approved by: Rich Nagel

ACTION CALENDAR

MICROFILTRATION CLEAN-IN-PLACE SYSTEM IMPROVEMENTS AWARD

SUMMARY:

The Exxon Mobil and Carson satellite facilities further treat Title 22 recycled water using microfiltration followed by reverse osmosis for product water to be utilized for boiler and cooling tower applications. To maintain efficient treatment production, a Clean-in-Place (CIP) system is implemented at both sites consisting of a chemical feeding system using Citric Acid and Caustic Solution to clean and protect the microfiltration units from fouling during high water demands. New batches of chemicals are required for each cleaning cycle. The microfiltration units have recently been experiencing frequent fouling at both satellite facilities, which has increased the frequency for cleaning using the CIP system. As a result, the current single CIP system has not been effective in cleaning and protecting the microfiltration units for longer periods of operation as intended. Furthermore, the expense for chemical usage has increased with frequent CIP operations.

An expanded CIP system is needed to create a more effective dual-cleaning process. The expanded CIP system will increase system efficiency, reduce fouling, extend membrane life, and lower chemical usage and costs.

Contractor Selection Process

Staff sent out contract documents to numerous contractors, advertised in construction journals, and posted an advertisement on West Basin’s website. Fifteen potential contractors attended the mandatory Pre-Bid Workshop conducted on January 24, 2008. Four bids were received on February 19, 2008. The responsive bid results are as follows:

Cost Rank	Bidder	Bid Price
1	Fleming Environmental Inc.	\$682,776
2	Mehta Mechanical Co.(MMC)	\$732,730
3	Cora Constructors Inc.	\$739,000
4	Cedars Engineering Construction Inc	\$759,000

The low bid contractor, Fleming Environmental Inc., has been deemed responsive and is recommended for contract award.

FISCAL IMPACTS:

Funding for this project is included in the Capital Improvement Budget for Fiscal Year 2007-08.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on March 13, 2008 and recommended for approval at the March 24, 2008 Board meeting.

RECOMMENDED MOTION:

That the Board authorizes the General Manager to enter into an agreement with Fleming Environmental Inc. to provide construction services in the amount of \$682,776 plus 10% contingency for a total not-to-exceed amount of \$751,054.

LIST OF EXHIBITS:

None.