

WEST BASIN MUNICIPAL WATER DISTRICT**FEBRUARY 14 & 15, 2008 – Water Resources**

Smith (Chair), Little

FEBRUARY 25, 2008 – Board Meeting

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Approved by: Rich Nagel

INFORMATION CALENDAR

MICROFILTRATION CLEAN-IN-PLACE SYSTEM IMPROVEMENTS AWARDSUMMARY:

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

Per the MF unit manufacturer's recommendation, staff has finalized design to integrate an additional CIP system with the existing system for a dual cleaning process. The additional CIP system will increase the efficiency and protection of the MF treatment process, as well as, lower operational expense for chemical usage. Staff has advertised and released final design plans and specifications for construction and integration of an additional CIP system to numerous contractors for construction effort.

Contractor Selection Process

Staff advertised the Project in the McGraw-Hill Construction Publication on January 14, 2008, and also posted the advertisement on West Basin's website. Fifteen potential contractors attended the mandatory pre-bid workshop on January 24, 2008.

Construction bids for the Project are due on February 19, 2008. Staff will forward the information on bid results and the recommendation for the CMF CIP system construction to the Water Resources Committee in March.

FISCAL IMPACTS:

Funding for the CMF CIP is included in the Capital Improvement Budget for Fiscal Year 2008-09.

ENVIRONMENTAL COMPLIANCE:

None.

COMMITTEE STATUS:

This item was reviewed by the Water Resource Committee on February 15, 2008 and agendized to the February 25, 2008 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

None.

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