



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

AGENDA NO. _____

SEPTEMBER 11, 2008 – Water Resources
Smith (Chair), Little
SEPTEMBER 22, 2008 – Board Meeting
Prepared by: Wyatt Won
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Approved by: Rich Nagel

INFORMATION CALENDAR

PHASE 2 MICROFILTRATION UNITS

SUMMARY:

The Phase 2 microfiltration (MF) units, Siemens model CMF, at the Edward C. Little Water Recycling Facility were placed into service in 1997. The MF membranes in these units are about four and a half years old and should be replaced soon. However, prior to replacing the membranes, staff would like to pilot test a newer version of the MF units, Siemens model CMF-L, to see if it could work in our application. The advantages of the newer CMF-L version of the MF units is that it would use less backwash water and air thereby reducing operating costs. It would also use a more chlorine resistant material for the membranes. However, because the manifold block on the existing CMF units would have to be replaced, the cost to convert the existing units to the newer version would be higher than just purchasing replacement membranes.

Staff is planning to lease a pilot CMF-L unit from the manufacturer, Siemens Water Technologies, and issue a "Request for Proposals" for a consultant to help develop the testing procedures and monitor the operation of the pilot plant. Staff will bring this item to the Board for consideration in November.

STRATEGIC BUSINESS PLAN IMPLEMENTATION:

Goal 7, Infrastructure – Manage infrastructure to ensure reliability, manage risk, and maximize the useful life of facilities.

Goal 8, Finance – Manage finances to optimize the public's investment return and minimize risk.

COMMITMENT STATEMENT:

Sound Financial and Resource Management – West Basin is committed to efficient business operations, financial planning, and asset management.

FISCAL IMPACTS:

Funds are included in the Fiscal Year 2008-09 Operations and Maintenance Budget.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on September 11, 2008 and agendaized to the September 22, 2008 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

None.