

**WEST BASIN MUNICIPAL WATER DISTRICT****JANUARY 17, 2008 – Water Resources**  
Smith (Chair), Little  
**JANUARY 28, 2008 – Board Meeting**  
Prepared by: Wyatt Won  
Submitted by: Paul E. Shoenberger  
Approved by: Richard Nagel

INFORMATION CALENDAR

CHEVRON SECOND PASS REVERSE OSMOSIS ELEMENTSSUMMARY:

West Basin provides double pass reverse osmosis (RO) recycled water to Chevron's high-pressure boilers. Double pass RO water is very high quality, almost distilled, recycled water that is sent through a first pass RO treatment train and then a second pass RO treatment train to remove most of the dissolved minerals. The first pass RO membranes were replaced last fall. The second pass RO membranes are about six and a half years old and are showing signs of deterioration. Although conductivities, a measure of the gross dissolved mineral content of the water, look to be within specification, Silica is rising and may soon exceed the water quality specification. Staff and its consultant believe the membranes should be replaced.

Staff is preparing a "Request for Bids" from West Basin's qualified membrane manufacturers.

FISCAL IMPACTS:

Funds are included in the Facility Replacement Fund.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed at the Water Resources Committee on January 17, 2008 and agendaized to the January 28, 2008 Board Meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

EXHIBITS:

None.