

WEST BASIN MUNICIPAL WATER DISTRICT

AUGUST 15, 2005 - Water Resources
Little, Baker
AUGUST 22, 2005 - Board Meeting
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INFORMATION CALENDAR

2005 CORROSION PROTECTION SURVEY

SUMMARY:

West Basin has installed Cathodic Protection Systems (CPS) on nearly all of its metallic pipelines (steel or ductile iron). The purpose of the system is to prevent external pipeline corrosion due to electrochemical reactions caused by stray electrical currents. Without CPS, the stray currents will cause pitting on the pipeline and over time will result in pipe breaks. CPS prevents this type of corrosion by using sacrificial anodes or impressed currents to cancel out or reverse corrosion currents.

1999 Corrosion Protection System Survey

West Basin last performed a survey of the CPS in 1999. It would be appropriate to update the survey to 2005 to determine the current status of the CPS and identify upgrades, if any, that may be needed.

2005 Corrosion Protection System Survey

Staff has sent out a "Request for Proposals" (RFP) to perform the "2005 Corrosion Protection Survey." The RFP was advertised on West Basin's web site and has been distributed to several firms, many of whom are members of the internationally recognized National Association of Corrosion Engineering. In response to the RFP, five firms attended the pre-proposal meeting and all five submitted proposals. Staff is currently reviewing proposals and will be making a contract award recommendation at an upcoming Board meeting.

FISCAL IMPACTS:

Funds for the Survey are available in the Operations and Maintenance Budget for fiscal year 2005-06. The cost of the survey is estimated to be in the \$65,000 -\$110,000 range.

ENVIRONMENTAL COMPLIANCE:

Not required.

COMMITTEE STATUS:

The item was reviewed by the Water Resources Committee on August 15, 2005 and was agendaized to the August 22, 2005 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

EXHIBITS:

None.