

**WEST BASIN MUNICIPAL WATER DISTRICT**

**SEPTEMBER 12, 2005 - Water Resources**  
Little, Baker  
**SEPTEMBER 26, 2005 - Board Meeting**  
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Approved by: Richard Nagel

INFORMATION CALENDAR

HARBOR/SOUTH BAY WATER RECYCLING PROJECT  
PALOS VERDES LATERAL UPDATE

SUMMARY:

As authorized by the Board, construction of Lateral 6A (Madrona Lateral) under the Harbor/South Bay Project is underway and expected to be completed by the end of 2005. The Madrona Lateral serves as the primary transmission pipeline serving the City of Torrance and will be the connecting link between the District's existing recycled water system and the proposed Lateral 6B (Palos Verdes Lateral) that will serve the Palos Verdes Peninsula cities. The Palos Verdes Lateral will consist of over 35,000 feet of pipeline extending south from the terminus of the Madrona Lateral to the Palos Verdes Peninsula. The Project will also require construction of a booster pump station within the City of Torrance for increasing system pressure to adequately serve future customers.

Staff previously informed the Board of potential collaboration efforts between West Basin, Cal Water Services (Cal Water), and Southern California Edison (SCE) to install multiple utilities within the Palos Verdes Peninsula. The primary alignment considered extended along Palos Verdes Drive North within the boundaries of Rolling Hills Estates between Hawthorne Boulevard and Western Avenue. The planned utilities included West Basin's 16-inch diameter recycled water pipeline, 24- and 27-inch diameter water pipelines by Cal Water, and underground power and communication lines by SCE.

Staff worked with both Cal Water and SCE to develop a proposal to the City of Rolling Hills Estates for the combined construction effort with the intent of obtaining City support for the project. During follow-up meetings on this issue, Cal Water expressed to West Basin that the proposed project would not be feasible due to resistance by the City of Rolling Hills Estates. For this reason, Cal Water has begun to look for alternative alignments and water supply options that would avoid construction efforts within Palos Verdes Drive North and most likely exclude participation with West Basin and SCE. Due to West Basin's commitment to construct both the Madrona and Palos Verdes Laterals for serving future customers within Torrance and the Palos Verdes Peninsula, it was necessary that West Basin continue with design efforts on the Palos Verdes Lateral independent from Cal Water and SCE participation.

Currently, the U.S. Army Corps of Engineers is finalizing the preliminary design services contract with AKM Consulting for the Palos Verdes Lateral project. Preliminary design services will include an alignment analysis, pump station siting and sizing, hydraulic and surge analysis, material selection, scheduling and cost estimating. The pipeline alignment analysis will evaluate the feasibility of alternative alignments that would avoid construction within critical portions of Palos Verdes Drive North. A preliminary alignment under consideration would

extend through local streets to minimize traffic impacts within neighboring cities and provide direct access to primary recycled water customers. The preliminary alignment is attached as Exhibit "A".

Staff recently met with the City of Torrance to discuss obtaining a pump station site at Torrance Municipal Airport. The pump station site is in a hydraulically suitable location and adjacent to the proposed pipeline alignment. Staff will continue to work with the City towards securing an easement for the pump station. The site layout would require an area of approximately 60x100 feet.

Preliminary design efforts for the Palos Verdes Lateral project are anticipated to begin in October 2005. Final design is scheduled to be complete in Summer 2006 and construction completed in late 2007.

FISCAL IMPACTS:

None.

ENVIRONMENTAL COMPLIANCE:

Federal and State Environmental compliance documents for the Harbor/South Bay Project were completed by the U.S. Army Corps.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on September 12, 2005 and was agendized to the September 26, 2005 Board meeting as information for discussion.

RECOMMENDED MOTION:

This item is for information only.

LIST OF EXHIBITS:

Exhibit "A" - Preliminary Alignment