

WEST BASIN MUNICIPAL WATER DISTRICT

NOVEMBER 16, 2006 - Water Resources

Little, Kwan

NOVEMBER 27, 2006 - Board Meeting

Prepared by: Julie Hannah

Submitted by: Paul E. Shoenberger

Approved by: Rich Nagel

INFORMATION CALENDAR

HYPERION SECONDARY EFFLUENT PUMP STATION EXPANSION

SUMMARY:

Secondary effluent from the City of Los Angeles' Hyperion Treatment Plant is pumped to the West Basin Water Recycling Facility (WBWRF) through West Basin's Hyperion Secondary Effluent Pump Station via a 3-mile long, 60-inch diameter transmission main. Currently, the Hyperion Secondary Effluent Pump Station is designed to deliver a firm capacity of 51 million gallons per day (MGD). With recent completion of the Phase IV Plant Expansion, current plant design capacity will nearly exceed existing Pump Station capacity. Future planned increases in recycled water demand require that the Pump Station capacity be increased to meet ultimate supply conditions.

A Feasibility Study has been performed to identify future capacity requirements and alternative locations for accommodating an expansion of the Hyperion Secondary Effluent Pump Station. The Study concluded that expanding the existing Pump station in its current location within Hyperion is the most viable option. In addition, a secondary electrical feed to the Pump Station will be necessary to increase pumping reliability. This secondary electrical feed would be provided from the LADWP Scattergood facility adjacent to Hyperion.

In July 1991, an agreement was established with the City of Los Angeles allowing for the original construction of the Pump Station by the District. A draft amended agreement has been developed by District and City of Los Angeles staff that will allow for implementing the expanded Pump Station facility. The draft amendment has been reviewed by both District counsel and the City Attorney and is going through final reviews by various City departments. A finalized agreement amendment will be presented to the Board for approval in the next few months. Once the agreement amendment is approved by the Board, staff will solicit proposals for design of the Pump Station expansion.

FISCAL IMPACTS:

Funds for the Hyperion Secondary Effluent Pump Station Expansion Project are included in the Capital Improvement Program fiscal year 2006-07 Budget.

ENVIRONMENTAL COMPLIANCE:

Environmental compliance measures will be addressed as part of the Project pre-design effort and will likely include either a Categorical Exemption or Mitigated Negative Declaration.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on November 16, 2006 and agendized to the November 27, 2006 Board meeting as information for discussion.

RECOMMENDED MOTIONS:

This item is for information only.