

City of Culver City, California
City Council Agenda Item Report

Meeting Date: 2/11/2008		Item Number: <u>C-6</u>	
AGENDA ITEM: Authorization of the Release of a Request for Bids for a Mobile Diesel-powered Sewer Pump to Provide Bypass Pumping Capability in the Event of Sewer Pump Station Failure.			
Contact Person/Dept.: Steven Finton		Phone Number: (310) 253-6406	
Fiscal Impact: Yes ☒ No ☐		General Fund: Yes ☐ No ☒	
Public Hearing: ☐		Action Item: ☐ Attachments: ☒	
Public Notification: Master Notification List (02/06/08)			
Department Approval: Charles D. Herbertson (01/31/2008)		City Attorney Approval: Carol Schwab (by H. Baker) (02/06/08)	
Fiscal Impact Review: Jeff Muir (by N. Kimball) (02/05/08)		City Manager Approval: Jerry B. Fulwood (02/06/08)	
<u>RECOMMENDATION:</u> Staff recommends the City Council authorize the release of a Request for Bids to purchase a mobile diesel-powered sewer pump to provide bypass pumping capability in the event of sewer pump station failure. <u>BACKGROUND:</u> The City owns and operates 7 sewer pump stations that pump sewage from low lying areas of the City's sewer system. The pump stations vary in size and capacity depending on the volume of sewage flowing to each. All stations utilize electric pumps and are equipped with back-up generators to provide power in the case of unexpected electrical system outages. In reviewing current operations at the City's pump stations, it was evident that additional system redundancy is desirable to minimize the probability of future sanitary sewer spills. <u>DISCUSSION:</u> In 2006, the City experienced a sanitary sewer spill which resulted from the failure of pumps at the Braddock Pump Station. Despite significant efforts from City crews to control the sewage while bringing the pumps back to operation, an overflow occurred. In assessing the conditions at the pump station in light of the 2006 spill, staff has reviewed potential improvements to the pumping system that would reduce the probability of future spills. One improvement undertaken in 2007 was the			

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installation of a bypass access on the Braddock Pump Station force main making it ready for emergency bypass pumping. The recommended portable pump would be used during emergencies to pump sewage from the failed pump station and into the force main through the new bypass access. The diesel powered pump would be sized to accommodate flows from our largest pump station and could be moved to address failures at any of the 7 pump stations.

On October 22, 2007, City Council approved the City's plan to comply with the Statewide Waste Discharge Regulations (WDRs). The requirements include preparation of a Sewer System Management Plan (SSMP) which includes measures to avoid Sanitary Sewer Overflows (SSOs). A component of the plan is the purchase and deployment of the proposed portable pump to avoid or significantly reduce SSOs caused by pump station failures.

FISCAL ANALYSIS:

The Sewer Fund's 2007-08 Adopted Budget for operating and maintaining the sewer system is \$6.6 million, which includes approximately \$3 million per year paid to the City of Los Angeles to convey and treat Culver City sewage at the Hyperion Sewage Treatment Plant.

The cost of the proposed bypass pump system is estimated at \$40,000 to \$50,000. Actual costs will be based upon the responses to the RFB's and the City Council can consider the results of the RFB's at the time staff presents the proposed contract to the Council for consideration. Funding for the purchase is available in P-521, Pump Station Improvements (Account No. 20400521.730100). The Pump Station Improvements CIP is established for ongoing improvements to the City's sewer lift stations, such as this.

ATTACHMENTS:

- 1) Photograph of similar pump.

MOTION:

That the City Council:

Authorize the release of a request for bids for a mobile diesel-powered sewer pump to provide bypass pumping capability at the City's sanitary sewer pump stations.