



AGENCY:	City Council
MEETING DATE:	December 11, 2017
DEPARTMENT:	Public Works
PRESENTED BY:	J. Smith
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## AGENDA ITEM SUMMARY

### **TITLE:**

**RECEIVE REPORT AND CONSIDER ADOPTION OF MUNICIPAL IMPROVEMENT DISTRICT RESOLUTION APPROVING CONTRACT WITH SYNAGRO TO PROVIDE TRANSPORTATION OF BIOSOLIDS TO LAND APPLICATION SITES AND AUTHORIZING CITY MANAGER TO EXECUTE CONTRACT (AMOUNT NOT TO EXCEED \$140,000; ACCOUNT NO. 710-4712-0319) AND APPROVING BUDGET AMENDMENT NO. 2018-10 TO APPROPRIATE \$140,000 FROM THE WASTEWATER ENTERPRISE FUND, TO ACCOUNT NO. 710-4712-0319**

### **ISSUE:**

Two informal bids for the transportation of Wastewater Treatment Facility (WWTF) biosolids were received October 22, 2017. After a review of the bids, Synagro was determined to be a responsible bidder, providing the lowest cost per load. This project requires a three-year contract with Synagro due to the loss of the drying beds during the WWTF Upgrade Project.

### **ANALYSIS:**

Settled solids from WWTF influent are pumped to the thickener, and then to the anaerobic digester. After anaerobic digestion in the Primary Digester the solids gravity flow to the Secondary Digester for additional thickening and digestion. The solids are pumped to the belt filter press once a week from the Secondary Digester and once a month from the Primary Digester. On occasion solids may need to be pressed twice a week to balance the influent solids received. The sludge is mixed with a polymer and pressed with a belt filter press. The biosolids concentration is between 15 and 18 percent. Dewatered biosolids are stored in drying beds to further increase the percent solids concentration through evaporation to reduce disposal costs. Last year, approximately 200 tons of biosolids from the WWTF were transported to and used for daily cover at Redwood Landfill in Novato, California.

In the spring of 2018, we anticipate breaking ground on the WWTF Upgrade Project. Removal of the drying beds will be required to allow room for the new aerobic wastewater system. With limited space at the WWTF, continuous removal of the biosolids will be necessary. Synagro has preapproved land application sites that will allow for 100% beneficial reuse. These sites are located in Suisun City and Herald, California.

The WWTF Upgrade Project will be replacing the drying beds. This work is expected to begin this spring. With a lack of space for biosolids storage, continuous removal is necessary.

### **RECOMMENDED ACTION:**

Accept the bid of Synagro and adopt Municipal Improvement District resolution awarding the contract for Transportation and Disposal of Biosolids and approve Budget Amendment No. 2018-10 allocating amount not to exceed \$140,000 from the Wastewater Enterprise Fund to Account No. 710-4712-0319.

**ALTERNATIVE ACTION(S):**

None.

**FISCAL IMPACT:**

The annual budget for biosolids removal is \$35,000. An additional \$11,000 will be needed for this ongoing service to cover the additional trailer rent expense. A Budget Amendment in the amount of \$140,000 is necessary to provide adequate funding for the three-year contract. This amount is available from the Wastewater Enterprise Fund and funds for FY 2018/19 and FY 2019/20 will be encumbered through the budget process.

**IMPLEMENTATION/TIMEFRAMES:**

Following District Board action to award the contract; it can be executed. The required supporting documents will be completed within two weeks afterwards. Removal of material is expected to begin in January 2018.

**ATTACHMENTS:**

1. Resolution for contract award and budget amendment
2. Contract between Municipal Improvement District and Synagro

**NOTIFICATION:**

None.