

**COUNCIL ACTION FORM**

**SUBJECT: 2013/14 AND 2014/15 RESOURCE RECOVERY SYSTEM IMPROVEMENTS (HVAC IMPROVEMENTS)**

**BACKGROUND:**

This project includes the replacement of one heating and cooling unit for the control room, offices, visitors' center, break room, locker room, restrooms, and one cooling unit for the electrical room at the Resource Recovery Plant (RRP). This includes the following units:

- Air handling unit 3,500 CFM, energy recovery ventilator, rooftop cooling unit nominal 10 ton cooling capacity, 54KW heating unit, duct heaters, filtration system
- Condensing unit, 480 volt 3 phase, nominal 10 ton cooling capacity, with matched air handling unit and a SEER of 11.2

The project will remove all existing duct work and heating/cooling equipment, some of which has been in service since the building was opened 40 years ago and has reached the end of its useful life. The new duct work will be sized for optimal air flow and energy efficiency throughout the entire area being heated and cooled. The new system will also include a carbon filtration system to help control odors in the control room, offices, visitors' center, break room, locker room and restrooms. Individual areas will have separate thermostats to help balance the temperature and allow areas not in use to be set back to non-occupied settings. Temperature control in the electric room is necessary for the control equipment in the RRP process area since overheating this space can cause equipment malfunctions and premature failures. Also, with the addition of another roof top unit, the safety railing along the west edge of the roof will be extended to provide fall protection and a safer environment while maintaining and servicing the units.

In an effort to improve efficiency of design and to make the project attractive for bidding, staff has bundled the two units together into a single bid package. LMV Engineering, L.C. (LMV) was previously awarded a contract in the amount of \$8,800 for engineering services to design both units. LMV has provided a construction cost estimate of \$132,000, which brings the **total estimated project cost to \$140,800.**

The first unit was included in the 2013/14 Capital Improvements Plan (CIP) as part of the Resource Recovery System Improvements program at \$85,000. The second unit is included in the 2014/15 CIP at \$22,000. Staff has identified previous CIP project savings of \$35,300, which brings **total funding for the project to \$142,300.**

**ALTERNATIVES:**

1. Approve plans and specifications for the 2013/14 and 2014/15 Resource Recovery System Improvements (HVAC Improvements) project by establishing May 7, 2015, as the date of letting and May 12, 2015, as the date for report of bids.
2. Direct staff to modify the project.

**MANAGER'S RECOMMENDED ACTION:**

The HVAC system for the RRP electric room is essential to the safe operation of the facility. Portions of the HVAC system for the control room, offices, visitors' center, break room, locker room, and restrooms are 40 years old and do not efficiently and uniformly condition the air for these areas.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, as stated above.