

COUNCIL ACTION FORM

SUBJECT: RESOURCE RECOVERY C5 CONVEYOR REPLACEMENT

BACKGROUND:

The Resource Recovery Plant (RRP) has been in operation since 1975. An important part of shredding and sizing process is the secondary mill and C5 conveyor. The mill shreds the municipal solid waste (MSW) to a size that the Power Plant can co-combust with natural gas. The shredded material is conveyed away from the mill by C5, a vibrating conveyor for MSW designed and built by Carrier Vibrating Equipment, Inc., Louisville, KY, to handle the force and wear of the shredding process.

The support system for this conveyor is built into the structure and foundation of the building. The current conveyor has operated well and has met all performance needs; however, the conveyor has reached the end of its useful life and needs to be replaced. Carrier Vibrating Equipment, Inc., Louisville, KY, the original vendor for this conveyor, is able to provide an exact replacement conveyor that will utilize all of the existing concrete and steel foundation supports. All of the existing spare parts in inventory for the current C5 conveyor will work on the proposed conveyor. **Because the conveyor was designed specifically for this location and the unit is still available, RRP requests approval of a single source purchase for the conveyor. The removal of the existing equipment and installation work will be competitively bid to millwright contractors.**

Funding for the C5 replacement is included in the 2019/20 Capital Improvements Plan under Resource Recovery System Improvements for \$100,000. As shown below, the cost of purchasing the conveyor is \$59,987 and the installation costs are estimated at \$32,000 bringing **total estimated costs to approximately \$92,000.**

ALTERNATIVES:

1. Waive the Purchasing competitive bid requirement and award a single source purchase with Carrier Vibrating Equipment, Inc. of Louisville, KY in the amount of \$59,987.00.
2. Direct staff to have the conveyor reengineered, designed, and conduct a request for proposal for MSW conveyance.

MANAGER'S RECOMMENDED ACTION:

Not utilizing Carrier Vibrating Equipment would delay the project and require hiring an engineer to prepare bid documents for conveyor purchase. This would also substantially increase the installation costs because a different manufacturer would require modifying the layout of the support system and associated equipment. In addition, this would delay production of refuse derived fuel.

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