

COUNCIL ACTION FORM

SUBJECT: RESOURCE RECOVERY PLANT MAGNET INSTALLATION

BACKGROUND:

The Resource Recovery Plant utilizes an electro-magnetic conveyor to recover more than 2,000 tons of ferrous metals from the municipal solid waste stream each year. This piece of equipment was originally installed when the plant was new in 1975. Although its components have been rebuilt several times, the recovery rate and overall efficiency of this equipment are continuing to diminish. Staff has determined that an electro-magnetic drum will be an effective replacement. An electro-magnetic drum requires less maintenance expense, operates at a cooler temperature, and has an improved recovery rate.

In September 2008, Council authorized the purchase of 48-inch x 72-inch electro-magnetic drum from Eriez Manufacturing. Staff contracted with RRT Engineering & Design to verify and/or design any modifications needed to the plant's steel structure to support this new electro-magnet, to create installation instructions, and to provide an engineer's estimate for the project. This design/engineering work cost \$15,500. The cost of the electro-magnetic drum was \$73,191, and the steel needed for installation cost \$2,200. The Engineer's estimate is \$56,116 for the installation of the electro-magnetic conveyor, bringing the total estimated cost for this project to \$147,000. This Council action is only for the installation portion of this project.

In 2007/08, Resource Recovery experienced a savings of \$129,000 in execution of purchase orders for hauling ferrous metals, hauling rejects, and reject disposal, which was reserved for funding of this project. The additional funds needed have been identified from savings in 2008/09 reject disposal fees.

ALTERNATIVES:

1. Approve specifications and issue a Notice to Bidders, setting May 6, 2009, as the bid due date and May 12, 2009, as the date for public hearing and award.
2. Do not approve specifications at this time.

MANAGER'S RECOMMENDED ACTION:

Approving the installation specifications will facilitate the completion of the magnet replacement project, thus increasing the ferrous metals recovered through the system. This will decrease the amount of recyclable material going to the landfill and improve the quality of product going to the Power Plant.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1, thereby approving the specifications and issuing a Notice to Bidders for this project, setting May 6, 2009, as the bid due date and May 12, 2009, as the date for public hearing and award.