

COUNCIL ACTION FORM

SUBJECT: ENGINEERING SERVICES FOR THE REPAIR OF THE RDF STORAGE BIN CHANGE ORDER NO. 1

BACKGROUND:

On November 28, 2017, City Council awarded this contract to Sargent & Lundy, LLC, Chicago, IL, for the Engineering Services for the Repair of the RDF Storage Bin in an amount not-to-exceed \$52,096. This contract is to provide engineering services to evaluate the condition and structural integrity of the refuse derived fuel (RDF) Storage Bin, and to prepare certified plans and specifications (stamped by an engineer licensed in Iowa) that will be issued by the City to prospective bidders for the repair of the RDF containment and structural components of the RDF Storage Bin to restore it to like-new condition.

RDF is produced at the City's Resource Recovery Plant (RRP) from municipal solid waste (MSW) collected from Ames and other communities in Story County, Iowa. After being processed at the RRP, the RDF is pneumatically transported to the RDF Storage Bin where it is stored until it is pneumatically transported to one of the two power plant's boilers, where it is co-fired with natural gas.

This proposed Change Order No. 1 in the amount not-to-exceed of \$19,900. The services in this change order include:

- 1) an additional site visit to meet with City of Ames Power Plant and Engineering staff to review in detail the design and the drawings of the bin, and to discuss the current condition of the bin and ideas for repairing and restoring the bin to good and safe operating condition. The primary goal of this site visit is to make the subsequent physical inspections and the structural evaluation of the bin more efficient and productive.
- 2) the engineering necessary to design and detail a new ladder on the north side of the bin to connect existing platforms. This new ladder is to provide code complaint access to external bin platforms for the primary purpose of fighting fires in the stockpiled RDF, should the need arise.
- 3) to perform engineering evaluations of the observation and firefighting platforms on the north and south sides of the bin. These platforms need to be structurally evaluated, and possibly engineered and modified to make sure they will function safely as intended.

The total contract amount with this change order will be \$71,996.

The approved FY2017/18 Capital Improvements Plan includes \$2,800,000 for RDF Bin renovation. Of that amount, \$300,000 was earmarked for engineering.

ALTERNATIVES:

1. Approve contract Change Order No. 1 with Sargent & Lundy, LLC, Chicago, IL, for the Engineering Services for the Repair of the RDF Storage Bin in the amount not-to-exceed \$19,900.
2. Reject contract Change Order No. 1.

MANAGER'S RECOMMENDED ACTION:

This scope of work, the inspection of the RDF Storage Bin and the development of plans and specifications for the project, is a critical first step required to perform the urgently needed “public improvement” repair of the RDF Storage Bin.

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

To date the RDF Bin CIP project budget has the following items encumbered:

\$2,800,000	FY 2017/18 CIP amount budgeted for the project
	<u>Sargent & Lundy</u>
\$52,096	Engineering Services Contract
<u>\$*19,900</u>	*Change Order #1 (pending Council approval for this agenda item)
\$71,996	Costs committed to date for project
\$2,728,004	Remaining Project Balance to cover equipment and construction for the CIP Project.