

**COUNCIL ACTION FORM**

**SUBJECT: CHANGE ORDER NO. 2 -- ENGINEERING SERVICES FOR THE RDF STORAGE BIN REPAIR PROJECT**

**BACKGROUND:**

On November 28, 2017, the Ames City Council awarded a contract to Sargent & Lundy, LLC, Chicago, Illinois, for engineering services for the repair of the RDF Storage Bin in an amount not-to-exceed \$52,096. This contract was 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 from municipal solid waste (MSW) collected from Ames and other communities in Story County, Iowa. After being processed at the Resource Recovery Plant, the RDF is pneumatically transported to the RDF Storage Bin where it is stored short-term until it is pneumatically transported to one of the two power plant's boilers, where it is co-fired with natural gas.

**CONTRACT HISTORY:**

Change Order No. 1 to this contract (2018-005) in the amount of \$19,900 was approved by the Ames City Council on March 6, 2018, for additional engineering services necessary to bid and repair the RDF Storage Bin.

**THIS ACTION:**

**This proposed change order (Change Order No. 2) in the amount of \$33,700 is for the following engineering services:**

- 1) Revisions to the plans and specifications due to beneficial design changes affecting the repair scope of work discovered or initiated by staff and Sargent & Lundy during the initial bid period. Additionally, bidders asked questions or made suggestions during the initial bid period that also resulted in beneficial changes in the design and scope of work for the repair.
- 2) Updating the engineer's cost estimate to reflect the changes in the scope of work.
- 3) Allowance for two meetings at the Power Plant site to support the rebid of the project. The first meeting is for the pre-bid meeting with potential bidders. The

second meeting is for the kick-off meeting with the selected contractor.

- 4) The preparation of as-built drawings for the project bid document.

**The total contract amount with this change order will be \$105,696.** The approved FY2017/18 Capital Improvements Plan includes \$2,800,000 for repair of the RDF Storage Bin.

**ALTERNATIVES:**

1. Approve contract Change Order No. 2 with Sargent & Lundy, LLC, Chicago, IL, for additional engineering services for the RDF Storage Bin Repair Project in an amount not-to-exceed \$33,700.
2. Reject contract Change Order No. 2.

**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.

\$2,800,000	FY2017/18 CIP Amount Budgeted for this Project
\$52,096	Engineering Services Contract with Sargent & Lundy
\$19,900	Change Order No. 1
<b>\$33,700</b>	<b><u>Change Order No. 2 (pending City Council approval – this agenda)</u></b>
\$105,696	Commitments to date
\$2,694,304	Remaining Project Budget